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Ebe 62.61

U.S.

F. H. Ebeling

SEEDS BULBS

1868,
1903.



HARDWARE | IMPLEMENTS
DRAIN TILE, TIN SHOP, ETC.



PRICE LIST

RAFFIA, REED AND SWEET GRASS.

REED.				RAFFIA.						
No. 00 Reed	per lb.	\$1.50	per oz.	15c	White	per lb.	30c	per oz.	5c	
1	"	"	1.00	"	10c	Natural	"	25c	"	5c
2	"	"	1.00	"	10c	Colored—in 8 shades,	"	90c	"	10c
3	"	"	.85	"	10c	SWEET GRASS			"	20c
4	"	"	.60	"	10c					
5	"	"	.50	"	10c					

Mail and Express Orders given Prompt Attention.

BOOKS—IT PAYS TO READ—BOOKS.

We will send any of these books, postpaid, to any address upon receipt of prices annexed.

Asparagus Culture—50 cents.	Gregory on Onion Raising—What kind to raise and how to raise them. 30 cents
Beet Sugar Culture—50 cents.	A B C Potato Culture—35 cents.
Gregory on Cabbages—40 cents.	Five Hundred Questions and Answers in Poultry Raising—35 cents.
Cauliflowers and How to Grow Them—By Francis Brill. 30 cents.	Strawberry Culture—35 cents.
Celery Culture—By J. C. Vaughan. 50 cents	Silos, Ensilage and Silage—Cloth, 50 cents
Dairy for Profit—Illustrated. 40 cents.	Tomato Culture—135 pp., illustrated. 40 cts.
Concerning Lawn Planting—35 cents.	Our Farm of Four Acres, and the Money we made by It—Paper cover, 12 mo. 40 cts.
Feathered Pets—Complete Book on Birds. 40 cents.	How to Plant and What to Do With the Crops—60 cents.
The Practical Fruit Grower—Cloth, 50 cents	Vegetables Under Glass—By A. Dreer. 35c.
Maple Sugar and Sugar Bush—By Prof. A. J. Cook. Profusely illustrated. 40 cents	
Mushroom Culture—By W. Robinson. 50c	

USEFUL TABLES.

Of Plants per Acre at the following distances apart				Number of Plants Produced from 1 oz. of Seed.								
1	ft. by 1	ft.	43,560	6	ft. by 6	ft.	1,210	Asparagus	about 500	Plants	Kale	about 2,000
1½	"	1½	19,360	8	"	8	680	Broccoli	" 2,000	Plants	Lesk	" 1,000
2	"	1	21,780	9	"	9	537	Cabbage	" 3,000	Plants	Lettuce	" 3,000
2	"	2	10,898	10	"	10	435	Cauliflower	" 4,000	Plants	Pepper	" 2,000
2½	"	2½	6,969	12	"	12	302	Celery	" 4,000	Plants	Sage	" 1,000
3	"	1	14,520	15	"	15	193	Egg Plant	" 1,000	Plants	Tomato	" 3,000
3	"	2	7,260	18	"	18	134	Endive	" 3,000	Plants	Thyme	" 5,000
3	"	3	4,840	20	"	20	103					
4	"	4	2,722	25	"	25	70					
5	"	5	1,742	30	"	30	48					

SEED SOWN PER ACRE.

Seed Sown per Acre. Wt. per bu	Seed Sown per Acre. Wt. per bu	Seed Sown per Acre. Wt. per bu
Timothy, ¼ to ½ bu.....44 lbs	Millet, ½ to ¾ bu.....50 lbs	Peas, 2½ bu.....60 lbs
Lucerne, or Alfalfa, 30 lbs 60 lbs	Hungarian, ½ to ¾ bu.....48 lbs	Beans, 1 to 1½ bu.....62 lbs
Clover, Red, 10 to 15 lbs.....60 lbs	Wheat, 2 bu.....60 lbs	Pumpkin Seed, 2 qt.....27 lbs
Clover, Alsike, 5 to 10 lbs.....60 lbs	Buckwheat, ¾ to 1 bu 48 to 50 lbs	Turnip, 1 lb.....
Clover, Crimson, 15 lbs.....60 lbs	Rye, 1 to 2 bu.....56 lbs	Spinach, 8 lbs.....42 lbs
Sainfoin, 20 lbs.....60 lbs	Oats, 2 to 3 bu.....32 lbs	Beet, 4 to 6 lbs.....
Red Top, 2 to 2½ bu.....14 lbs	Oats, Winter. 1¾ bu.....32 lbs	Squash, 2½ lbs per acre.....
Blue Grass, 2 bu.....14 lbs	Barley, 2 bu.....48 lbs	Parsnips, 4 to 5 lbs.....
Orchard Grass, 2 bu.....14 lbs	Flax Seed, 6 qt.....56 lbs	Cabbage, ¼ lb.....
Yellow Sand Clover, 15 lbs 60 lbs	Corn, ¼ bu.....56 to 60 lbs	Cucumber, 1 lb.....
White Clover, 6 to 10 lbs.....60 lbs	Potatoes, 6 bu.....62 lbs	Carrot, 2½ to 3 lb.....20 lb
Sweet Vernal, 1 to 1½ bu.....10 lbs	Sweet Corn. ¼ bu.....about 45 lbs	Onion, 5 to 6 lbs.....56 lb.

NO TRUST MACHINERY.

Our Mowers, Reapers, Binders, Harrows, Corn Binders, Plows, etc., are made outside of the trust.

NON-WARRANTY.—F. H. Ebeling gives no Warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants he sends out, and he will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

1868—THIRTY-FIFTH YEAR—1903.

FOR THIRTY-FIVE YEARS this house has been located in the same block, having been established in 1868 by Mr. A. D. Perry. We are pleased to announce that never before have we been better able to meet the requirements of our trade than at the present time. **This house is the only strictly seed-house in Central New York.** Importing the finest and choicest varieties of **Flower and Garden Seeds**—as well as dealing in all the more common sorts of field and garden seeds, implements, drain tile, hardware, etc., and which this catalogue will more fully explain.

We can supply everything for the **Farm, Garden, Lawn, Greenhouse, Dairy and Poultry Yard**, and take this opportunity of thanking our many friends for past favors and generous patronage.

Establirt 35 Jahre.

Wir übergeben dem geehrten Publikum hiermit unseren 33sten jährlichen Catalog für das Jahr 1903. Derselbe enthält eine vollkommene Liste auserlesensten Sorten frischer Garten-, Feld- und Blumen-Saamen, sowie von allen Artikeln, welche für den Landbau, Garten, Allee, Treibhaus, Hüfnerhof u. s. w. nöthig sind. Dies ist das einzige wirkliche Saamen-Geschäft in Central New York. Wir importiren die besten und seltensten Samenarten von Auslande, besonders für unser Geschäft auserlesen. Alles nähere besorgt dieser Catalog. Herr Ebeling, der Eigenthümer, macht es sich zur besonderen Aufgabe, alle seine werthen deutschen Kunden in ihrer Muttersprache zu bedienen, und ist es sein stetes Bestreben durch freundliche u. zuvorkommende Bedienung ihre Kundchaft und Wohlwollen zu erwerben und zu erhalten.

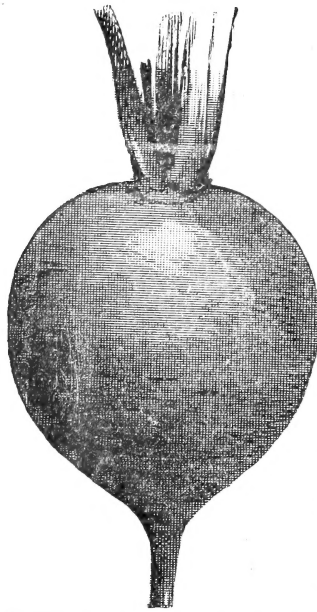
Achtungsvoll zeichnet **F. H. Ebeling,**
217 Warrenstraße, Syracuse, N. Y., (dem neuen Postamt gegenüber.)

We Sell and Carry in Stock a Full Line of the Following :

- | | |
|---|--------------------------------|
| THE IRON AGE LINE OF TOOLS | THE CYPHER INCUBATOR CO'S LINE |
| MANN'S BONE CUTTERS | THE ADRIANCE BUCKEYE LINE |
| BOWKER FERTILIZERS | |
| VERMONT FARM MACHINERY CO.'S LINE OF U. S. SEPARATORS, ETC. | |
| ROBBINS' POTATO PLANTERS | |
| WIARD-MUNNSVILLE AND DUTTON PLOWS | |
| AMERICAN STEEL FENCING | HARDWARE OF ALL KINDS |

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Ebeling's Early Blood Turnip.

Ebeling's Early Blood Turnip

ASPARAGUS, *Spargel.*

	Per oz.	Per lb.
✓ Barr's Mammoth.....	\$ 10	\$ 65
✓ Palmetto.....	10	65
✓ Conover's Colossal.....	10	65
✓ Asparagus Roots of the above varieties, per 100.....	1 00	

Special prices for quantities.

BEEET, *Runkel Rube.*

	Per oz.	Per bl.
✓ Ebeling's Early Blood Turnip....	\$ 10	\$ 75
✓ DETROIT Dark Red Turnip.....	10	65
✓ Crosby's Egyptian early forcing..	10	65
✓ Edmand's Ex. Early.....	10	65
✓ Early Bastian or Lentz.....	10	65
✓ ECLIPSE Beet.....	10	65
✓ Bassano, early.....	10	65
✓ Egyptian Turnip, extra early.....	10	65
✓ DEWING'S Blood Turnip.....	10	65
✓ Improved Long Blood.....	10	50
✓ Half Long Red.....	10	65
✓ Mammoth Long Red Mangel.....	10	20
✓ Yellow Mammoth or Intermediate..	10	20
✓ Yellow Ovid Giant.....	10	20
✓ Yellow Globe Mangel.....	10	20
✓ Vilmorin's Impd. Imperial Sugar..		20
✓ Golden Tankard Sugar.....	10	25
✓ Taber's Gate Post, new mangel....	10	30
✓ Swiss Chard, for greens.....	10	60

BEANS, [Bush] *Garten Bohne.*

	Per qt.	Per bu.
✓ GOLDEN WAX, improved.....	\$ 25	\$ 6 00
✓ Davis Wax.....	25	6 00
✓ Wardwell's Kidney Wax.....	25	6 00
✓ White Wax, yellow pods.....	25	6 00
✓ Black Wax, yellow pods.....	25	5 00
✓ Golden Eyed Wax.....	25	5 00
✓ Early Long Yellow, six weeks, green pod.....	25	4 50
✓ Dwarf Horticultural.....	30	6 00
✓ IMPROVED VALENTINE.....	25	5 00
✓ Mohawk, one of the earliest.....	30	5 00
✓ China Red Eye.....	20	4 50
✓ Boston Yellow Eye.....	20	4 50
✓ Refugee Pickling Beans.....	25	4 00
✓ White Kidney.....	20	3 50
✓ White Marrow.....	20	3 50

BEANS, [Pole or Runners.]

	Per qt.	Per bu.
✓ Dreer's Golden Cluster Wax.....	\$ 30	\$ 7 00
✓ Black Wax.....	30	7 00
✓ Lazy Wife, pole.....	30	7 00
✓ BURPEE'S BUSH Lima, large.....	30	7 00
✓ Early Jersey, Lima, new.....	30	7 00
✓ Siebert's Early Lima.....	30	7 00
✓ Cranberry, Speckled or Wren's Egg.....	30	6 00
✓ Case Knife, white flat.....	30	6 00
✓ Scarlet Runner.....	40	8 00
✓ White Dutch Runner.....	40	8 00
✓ ONONDAGA POLE.....	25	6 00
✓ Broad Windsor.....	40	

Broccoli, *Spargel-Kohl.*

✓ Early, large [French] per oz.....	35
✓ South Hampton ".....	35

Borecole or Kale. See Kale Blatterkohl

	Per oz.	Per lb.
✓ Green Curled or Kale.....	\$ 20	\$ 75
✓ Purple or Brown Kale.....	15	75

Brussels Sprouts, *Rosen Kohl.*

✓ Dwarf, Fine French.....	\$ 20	\$ 1 75
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Bird seed. Etc.

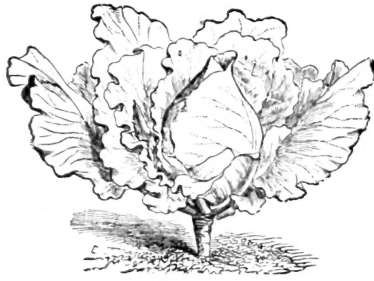
	Per lb.	3 lbs. for
Canary, best quality.....	10 cents	25 cents
Parrot Seed.....	10 "	"
Hemp, re-cleaned.....	10 "	"
Unhulled Rice.....	10 "	"

Bird seed Etc.

	Per lb.	3 lbs. for
Sunflower.....	10 cents	25 cents
Rape.....	10 "	"
Millet.....	10 "	"
Maw.....	25 "	"

CASH PAID FOR EARLY POTATOES, WAX BEANS, FIELD CORN,
CANADA PEAS AND PUMPKIN SEED.
WE SELL RAFFIA AND REED, SEE PAGE 1.

Bei uns wird Deutsch gesprochen.



EARLY JERSEY WAKEFIELD.

CABBAGE, Kopf-Kohl.

Per oz. Per lb.

✓ Allen's Early Flat Dutch	\$0 25	\$2 50
✓ Allen's Market Gardens	25	2 50
✓ Early Spring, large round head	25	2 50
✓ Early Market, same as Early Spring	30	3 00
✓ Brill's Extra Early Eureka	25	2 50
✓ Henderson's Early Summer	25	2 00
✓ Winningstadt, early	25	2 00
✓ Early Ox Heart, or Etampes	15	2 00
✓ Early Jersey, Wakefield	25	2 50
✓ SUCCESSION, L. I. grown	25	3 00
✓ Sure Head Cabbage	25	2 00
✓ Excelsior White Dutch	25	2 50
✓ Fotler's Brunswick	25	1 75
✓ Danish Ball Head, Imp.	30	3 00
✓ HOLLANDER	30	2 50
✓ Gregory's All Season	25	2 50
✓ Thorburns' Flat Dutch	25	2 50
✓ Drumhead, (Improved)	25	2 00
✓ Marblehead Mammoth	20	1 50
✓ Warren Stonemason	30	2 50
✓ Red Dutch, 'Erfurt'	25	2 50
✓ Large Dark Red Drumh'd	25	2 50
✓ Globe Savoy, new	25	2 50
✓ Victoria Savoy	30	3 00



PERRY'S MEDIUM BRUNSWICK, SHORT STEM.

Cauliflower Seed.

This we have imported annually from the same growers for many years. It will produce a greater number of perfect heads than any other strains of cauliflower we ever saw. Of all the varieties that have been tried in this market our strains of Erfurt and Snowball have given the best satisfaction. We have our usual stock and we can assure you the quality is always the same and no cheap seed is offered you in its place. There is no better Cauliflower Seed in the market, even if you pay fancy prices. Our price is \$3.00 per ounce.



TRUE ERFURT CAULIFLOWER.

CAULIFLOWER, Blumen-Kohl.

✓ Ebeling's Snowball, extra small leaf, fine large head	\$3 00
✓ Ebeling's Dwarf, Erfurt, first quality, true	3 00
✓ Half Early Paris, large heads	75

The leading Cauliflower Growers in this section, have used our strains for years and say it is without equal. A sure header, a fine yielder and a money maker.

150,000 Berry Baskets, Correct Size and Shape. Price Right.

Bargains in Plows.

Bone Mills and Poultry Supplies.

See last page.



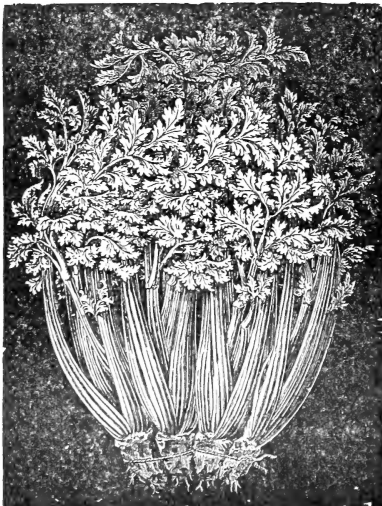
A Field of our White Plume and Paris Golden Celery.

Sutton's A 1 CELERY.

Very dwarf and compact, of superb flavor and deep pink color, but occasionally sporting to white. Although our A 1 is distinctly an early Celery, it remains solid and excellent in quality until quite late in the season. Apart from its superiority for table use, it is indispensable for the exhibition stage before other varieties are ready. Oz. 30 cts. Lb. \$4.00

Sutton's Solid White Celery.

Very sweet large and solid, we recommend this as the best White Celery for the main crop, far superior to the White Plume in flavor, size and solidity. Oz. 30 cts. Lb. \$4.00



WHITE PLUME CELERY.

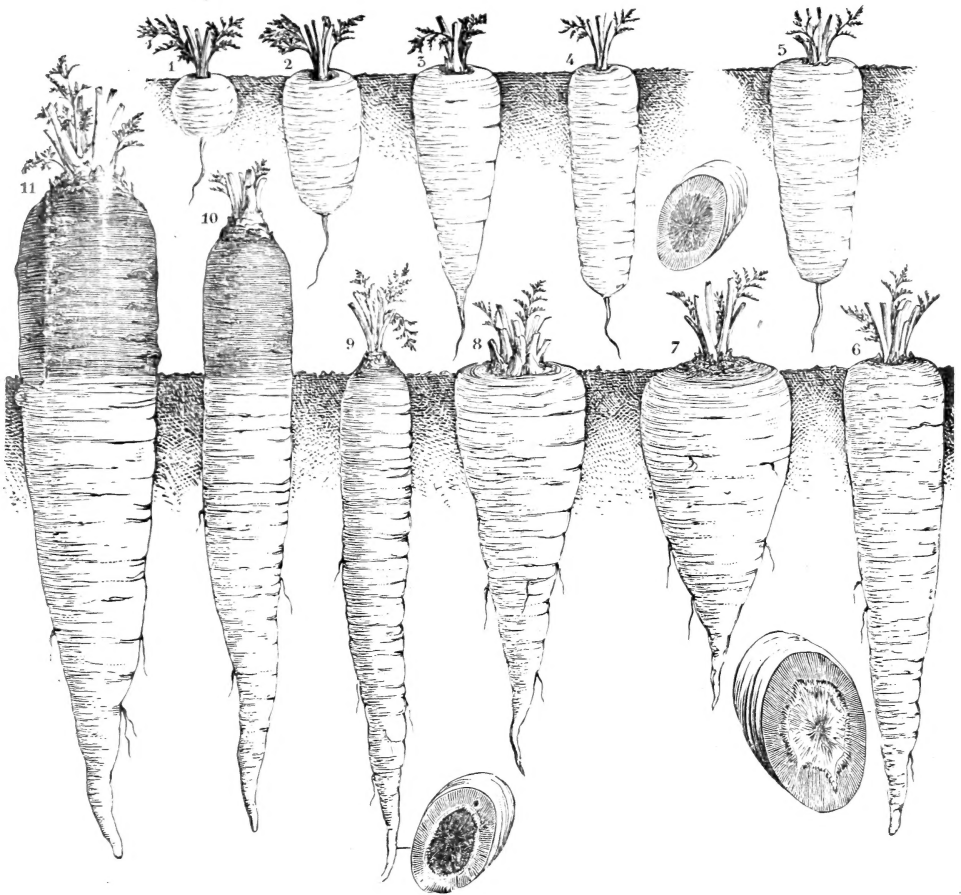
CELERY, *Sellerie*.

	Per oz.	Per lb.
Evans' Triumph, best late	\$ 30	\$ 2 50
Henderson's Pink Plume, new crisp	30	3 00
White Plume or Self-Blanching, best	20	2 00
White Giant, solid	20	2 00
Sandringham Dwarf, white	20	2 00
Kalamazoo, large ribbed, white	30	1 50
Paris Golden Yellow, large, self-blanching	40	4 50
Giant Pascal, large ribbed	20	2 00
Boston Market	20	1 75
New Rose	30	3 00
Perfection Hartwell	20	2 00
Golden Heart, Half Dwarf	20	2 00
Celeriac, Root Celery, apple shape	25	2 00
Soup	05	40

CHICCORY, *Chichorie*.

Improved Large Leaves for Greens	15	75
Large Rooted for Coffee	15	75

READ the books on chemistry of the soil, tillage, fertilizing, plant growth, forage plants, every subject connected with farming. You cannot farm successfully in the twentieth century without them.



THIS CUT SHOWS TRUE SHAPE OF CARROTS.

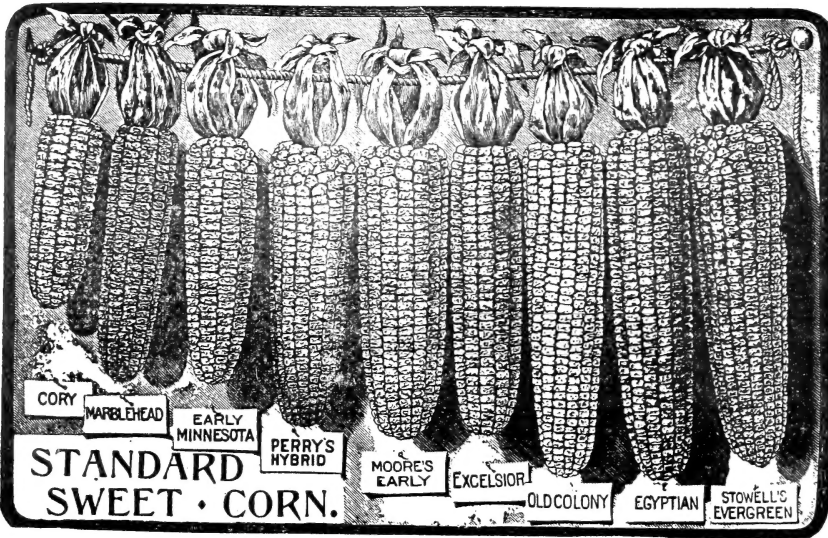
CARROTS, *Gelbe Ruben.*

	Per oz.	Per lb.
✓ Oxheart, (or Guerande) -----	\$ 10	\$1 00
1. ✓ Early French Forcing, nearly round -----	10	1 00
2. ✓ Early Horn, early scarlet -----	10	1 00
3. Chantenay Half Long -----	10	1 00
4. ✓ Half Long Nantes -----	10	1 00
5. ✓ Half Long Danvers, rich, dark orange -----	10	1 00
6. ✓ Long Orange, below ground -----	10	75
7. ✓ Large White Vosges, for cattle -----	10	60
8. ✓ Half Long pointed, St. James' new -----	10	65
9. ✓ Altringham, red for butter -----	10	60
10. Long Orange Green top -----	10	75
11. ✓ Large White Belgium -----	10	60
12. Meaux Long, red, stump rooted, smooth -----	10	1 00

USE OUR GROUND BONE, SHEEP FERTILIZERS AND LAWN SEED.

GLASS, PUTTY, HARDWARE AND TIN SHOP.

Bei uns wird Deutsch gesprochen.



Add 16 cents per quart by mail.

Per qt. Per bu.

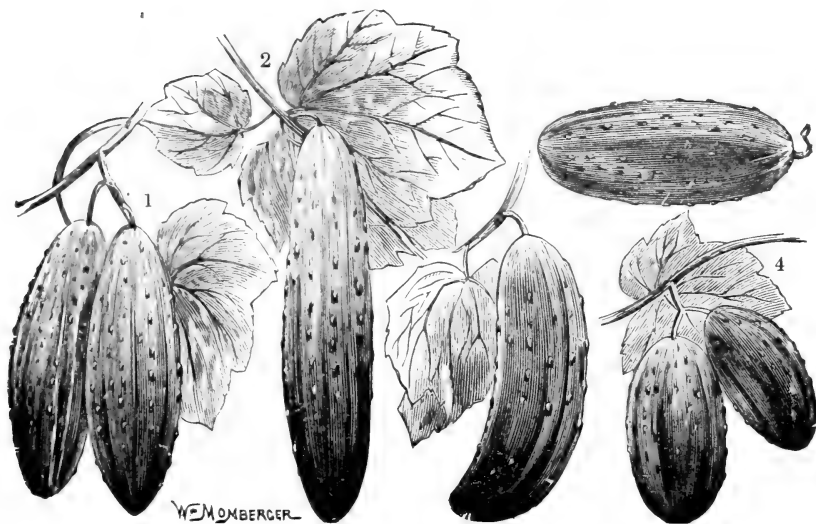
✓ Early Evergreen, 18 rows	\$ 20	\$4 00
✓ Cory Red, earliest	20	4 00
✓ Cory White	20	4 00
✓ Marblehead, extra early	20	4 00
✓ Early Monarch, early, 12 rows	20	4 00
✓ Perry's Hybrid, large, early 12-rowed	20	4 00
✓ Kendall's Early Giant	20	4 00
✓ Early Minnesota	20	4 00
✓ Crosby Early	20	4 00
✓ Adams Extra Early	20	4 00
✓ Ballard's Red Cob	20	4 00
✓ Moore's Early Concord	20	4 00
✓ Asylum, large fine	20	4 00
✓ Shaker's, large, early	20	4 00
✓ Egyptian, large, late	20	4 00
✓ Stowell's Evergreen, extra fine, true	20	4 00

✓ Shoe Peg Evergreen, Ne Plus ultra	20	4 00
✓ Country Gentleman	20	4 00
✓ Black Mexican	20	4 00
✓ Hicox's Improved Sugar	20	4 00
✓ Potter's Excelsior	20	4 00
✓ Mammoth Sugar	20	4 00
✓ Angel of Midnight Corn		
✓ Eight-Rowed Yellow		
✓ Pride of the North		
✓ Leaming, Early Fodder Corn		
✓ Our Genuine "Sou" Fodder Corn		
✓ Evergreen Sweet Corn for Fodder		

Market Price.

CORN SALAD, Ackersalat. Large Round Leaved or Small Seeded	Per oz. \$ 15	Per lb. \$1 00
CHERVIL, Gartenkerbel. Curled	20	2 00
CRESS OR PEPPERGRASS, Kresse.		
✓ Cress, Garden Curled	10	75
✓ Water Cress	25	2 50
✓ Dwarf, Fine Curled	10	75

SPECIAL PRICE ON SEED FOR CASH. BARGAINS IN PLOWS.



GROUP OF CUCUMBERS.

THE ABOVE SHOWS THE TRUE TYPE OF CUCUMBERS.

No. 1, Early Cluster; 2, Long Green; 3, Early Frame; 4, Early Russian; 5, White Spine.

CUCUMBER *Gurke.*

The Cumberland, New, see page 13.
per pkt 10c, oz. 30 c, \$3.00 lb.

✓ Hill's forcing early White Spine	} Price on Application
✓ Fordhood White Spine	
✓ Green Prolific, extra early	
✓ Early Russian	
✓ Early Frame	
✓ Early Cluster	
✓ White Spine, Imp'd ext. stock	
✓ Long Green	
✓ Burpee's White Wonder, new	
✓ Giant Pera		per pkt., 20
✓ Telegraph, per doz., seed	\$ 35 \$3 00
✓ West Indian Gherkin	" 25

EGG PLANT, Eirpflanze. per oz. per lb.

✓ New York Improved	\$ 35	\$3 00
✓ Black Pekin	30	3 00

ENDIVE *Endivien.*

✓ Yellow Early (not curled)	20	1 50
✓ Green Curled Winter	20	1 25
✓ Fine Curled Summer	20	1 50
✓ Broad Leaf or Escarola	20	1 50

GARLIC, Knoblauch. Sets 10 80

HERBS, See Page 12.

KALE, or Borecole. See Borecole.

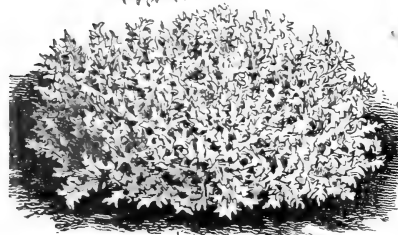
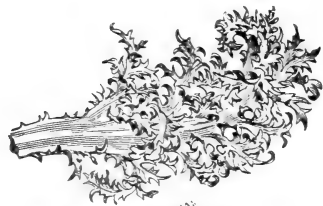
✓ Green Curled	15	85
✓ Siberian Curled, German Greens	15	75

KOHL RABI.

✓ White, above Ground	25	2 00
✓ Purple, " "	25	2 50

LEEK, Lauch.

✓ London, broad flag	35	1 00
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ENDIVE



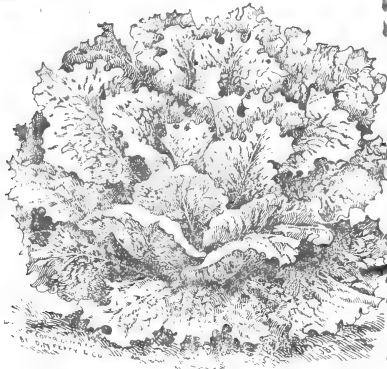
KOHL RABI.

Patronize Our New Hardware Dep't and Tin Shop.

Bei uns wird Deutsch gesprochen.

LETTUCE *Salat.*

	Per oz.	Per lb.
✓ Grand Rapids, new forcing-----	\$ 20	\$1 50
✓ Wonderful, large white head see pp. 14-----	20	1 50
✓ Denver Market, early head--	20	1 50
✓ Onondaga, for Green House	20	1 50
✓ Brown Dutch-----	20	1 50
✓ Green or Red Fringed-----	20	1 50
✓ Boston Market-----	20	1 50
✓ Satisfaction-----	20	1 50
✓ Boston Curled-----	20	1 50
✓ Early Curled Simpson-----	20	1 50
✓ Early Curled Silesian-----	20	1 50
✓ Golden Stone-----	20	1 50
✓ Iceberg-----	20	1 50
✓ Hanson Head-----	20	1 50
✓ New York Head-----	20	1 50
✓ India or Prize Head-----	20	1 50
✓ Tennis Ball-----	20	1 50
✓ White Cos-----	20	1 50



GRAND RAPIDS LETTUCE.

✓ **Yellow Seed Butter**—Y. S. Cabbage Butter head, medium large, medium green, leaves crumpled and rather thick. Is similar or same as silver Ball.

✓ **Wonderful**—W. S. Curled or crisp, heading, dark green, heads somewhat conical.

✓ **Giant White Cos**—Large size, medium light green, is quite tall, forms a good head.

✓ **Deacon Head**—Cabbage butter head, medium size, medium green, leaves thick. Does not form a decided head but a well folded one, which is very oily and golden yellow inside.

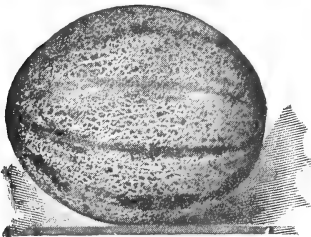
✓ **Denver Market**—W. S. Cabbage butter head, medium small size, medium green. One of the old standard varieties, and in our experience have found it identical with White Seed Tennisball.

✓ **Denver Market**—W. S. Curled or Crisp heading, medium size, light green, leaves very curly and crumpled, savoyed and coarsely fringed.

✓ **Big Boston**—W. S. Cabbage butter head, medium green, leaves smooth and rather glossy, edges straight. Top of head tinged with brown.

✓ **New York**—W. S. Curled or Crisp as Icehead, dark green heads somewhat conical.

✓ **Black Seed Tennisball**—Standard sort and used exclusively in the east for hot bed culture but not for green-house culture. Is similar to Salamander which see for description.



PAUL ROSE MUSK MELON.

MUSK MELON, *Melone.*

	Per oz.	Per lb.
✓ Onondaga Musk Melon, new, see description pp. 14-----	\$ 25	\$1 50
✓ Paul Rose, very fine, salmon flesh-----	20	1 00
✓ Rocky Ford, new, green flesh-----	20	1 00
✓ Delmonico Round, deep orange, very productive, early-----	10	1 20
✓ Grand Rapid Market Musk Melon, largest early Melon, salmon flesh-----	10	1 50
✓ Miller's Cream, very fine, Salmon flesh-----	10	1 50
✓ Pineapple, green flesh, oval-----	\$ 10	\$1 50
✓ Nutmeg, fine netted, extra early green-----	10	1 50
✓ Large Nutmeg or Improved Cantelope, green flesh-----	10	1 50
✓ Montreal Market Musk, yellow-----	10	1 50
✓ Hackensack, very fine yellow-----	10	1 50
✓ Osage, large, salmon color-----	10	1 50

Per oz. Per lb.

Per oz. Per lb.

\$ 10 \$1 50

\$ 10 \$1 50

10 1 50

10 1 50

10 1 50

10 1 50

10 1 50

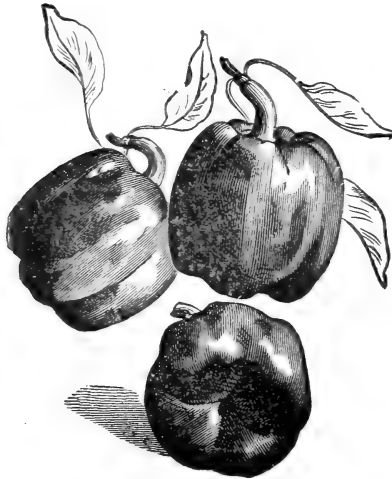
10 1 50

Watermelon, Wassermelone.

	Per oz.	Per lb.
✓ Sweet Heart, early, large, handsome	\$ 10	\$ 75
Green and Gold, new, fine	10	75
✓ Phinney's Early, red flesh	10	75
✓ Cole's Early, early, bright	10	75
✓ Mountain Sweet, old favorite	10	75
Black Spanish, round, dark green with red flesh	10	75
✓ Icings or Ice Cream	10	75
Green Citron, for preserves	10	75
✓ Kolb's Gem	10	75
✓ Martynia, for Pickles	\$ 40	\$ 325
Nasturtium, Kapusinerblume.		
Tall (see Flower Seed)	10	75
Dwarf	15	85
Okra or Gumbo, Essbarer.		
Dwarf, white	10	75
Mushroom Spawn.		
English		25
Mustard, Senf.		
White	05	35
Brown	05	35

Onion, Zwiebel.

	Per oz.	Per lb.
✓ Spaller's Yellow Oval Globe	\$ 20	\$ 2 00
✓ Michigan Yellow Globe	20	1 00
✓ Yellow Danvers, imp'vd.	20	85
✓ Prize Taker	20	1 25
✓ Australian Brown	20	1 25
✓ Early Red, extra early, flat	20	1 25
✓ Southport, Red Globe	20	2 00
✓ Large Red Wetherfield	20	1 00
✓ California Early Red	20	1 25
✓ Bolton Seed produces the Bolton Sets	25	2 50
✓ White Silverskin or Portugal for bunching	25	2 25
✓ Southport White Globe	25	2 25
✓ Mammoth Silver King	25	2 25
✓ Top Onion Sets		
Bolton	“	} ----- Market Price
Yellow	“	
White	“	
Potato	“	



BELL OR BULL NOSE

Parsley, Petersilie.

✓ Champion Moss Curled	\$ 10	\$ 75
✓ Fern Leaved	10	75
✓ Extra Double Curled	10	75

Parsnips, Pastinake.

✓ Long White	10	50
✓ Hollow Crown, thick shoulder	10	50

Pepper, Pfeffer

✓ Rose Mammoth, see pp. 13	40	3 00
✓ Bell or Bull Nose, extra large	25	2 50
✓ Ruby King, extra large	25	2 25
✓ Long Red Cayenne	25	2 50
✓ Mountain Sweet, for stuffed pickles	25	2 50
✓ Celestial, new	25	2 50
✓ Red Cluster or Red Cherry	25	2 50
✓ Chili, small, for peper sauce	25	2 50

Names of a few gardeners who have dealt with this house continuously from 18 to 34 years.

Chas. B Day, Waterloo, N. Y.,	19 years	James McClure,	21 years
J. N. Ro-e, Syracuse,	34	John Butler, Onondaga Valley, N.Y.,	31
S. B. Babcock, Fulton,	26	A. H. Ballard, East Onondaga,	20
Albert Wright, Syracuse,	34	Geo. Craddock, Onondaga,	34
Henry Burt, Syracuse,	31	Henry Wright, Syracuse,	34
Wm. Lambert, Salina, N. Y.,	21		

Also hundreds of others who have dealt with us for many years.

MR. F. H. EBELING,

SIR:—This season of the year produces with us an important question, which we are much pleased to be able to decide so quickly. That is where shall we purchase our seeds? Which you are aware, after so many years doing business with us, means considerable. We have no hesitation in saying we shall cheerfully send you another year's trade, feeling confident you will take care of our wants in your line, and protect us all you are able in good fresh goods, at reasonable prices as heretofore. Wishing you a happy and prosperous New Year, we remain,

Yours respectfully,

DAY & BEARD.

WATERLOO, N. Y., January 1, 1903.

PEAS. <i>Erbsen.</i>	Extra Early Sorts.	Per qt.	Per bu.
✓ Gradus or Prosperity, pods big as Telephone, early as Alaska, crops failed			
✓ Cleveland's Alaska, one of the earliest blue peas		\$ 25	5 50
✓ Earliest of All		25	5 00
✓ Perry's Forty-two day, the best extra early		25	5 00
✓ Philadelphia Extra Early, resembling First and Best		25	5 00
✓ Carter's First Crop, 2½ feet		25	5 00
✓ Improved Daniel O'Rourke, 2½ feet, a favorite among gardeners		25	5 00

Dwarf Varieties.

✓ *Nott's Excelsior, early, large pod and very prolific	30	7 00
✓ *Blue Peter, green, smooth, 1 foot	30	6 00
✓ *American Wonder, green, 1 foot, extra early and productive	30	6 00
✓ *Premium Gems, very early, fine dwarf	30	6 00
✓ *McLean's Little Gem, very fine, popular, 1 foot	30	6 00

Second Early and Late Varieties:

✓ *Improved Stratagem, 1 to 2 feet, vigorous, one of the very best	25	5 50
✓ *Bliss, Abundance	25	5 00
✓ Bliss, everbearing	25	5 00
✓ *McLean's Advancer's, True, long pods, fine quality, 2½ feet	25	5 00
✓ *Champions, very fine, old favorite, 4 feet	25	4 00
✓ Horsford's Market Garden, good cropper, 2¼ feet	25	5 50
*Ebeling's Telephone, the finest large second early pea in the market, 3ft.	25	5 00
✓ *Yorkshire Hero, large, late, very productive, 2 feet	25	4 50
✓ Melting Sugar, edible pods	25	5 00
✓ Gray Sugar, edible pods	25	5 00
✓ White Dwarf Marrowfat, 2 feet	15	3 00
✓ Black Eyes, very early and prolific, 3 feet	10	2 50
✓ Canada Field		

✓ Wrinkled varieties marked thus *

The Admiral. Vines vigorous, about four feet high, comparatively slender, little branched. Pods usually borne in pairs and in great abundance; they are about two and one-half inches long, thick, curved, bright green, crowded with six to nine peas of the very best quality and color. We know of no pea which remains palatable longer after it becomes large enough to use. This variety ripens with Telephone or a little later. Owing to its great vigor, productiveness, fine color, quality and suitable size of the green peas, it is admirably adapted for canners' use

	30	6 00
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POTATOES. *Kartoffel.*

Ohio, Jr.	}	Prices on Application.
Early Bovee		
Early Ohio		
Freeman		
Early Rose		
Beauty of Hebron		

PUMPKIN SEEDS. *Kurbiss.*

	Per lb.	Per bu.
Connecticut Field	\$ 15	\$3 00
Cheese Pumpkin	60	
Cashaw Pumpkin, fine table	75	
Mammoth Prize Pie, Per Pkt.		10 cts.

Hardware of All Kinds. We Have It—We Sell It.

Bei uns wird Deutsch gesprochen.

Cash Paid for Butter Beans, Canada Peas, Early Patatoes, Pumpkin Seed and Field Corn

RADISH, Radischen. Our Radish Seed is the very best.

Special Prices in Quantities. French Stock. Per oz. Per lb.

✓ Ebeling's Crimson Giant, forcing, see pp. 13.....	per pkt.	25c
✓ Early Scarlet Globe.....	\$ 10	\$ 75
✓ Ne Plus Ultra Deep Scarlet Turnip.....	10	90
✓ Half Long, Deep Scarlet.....	10	75
✓ Early Scarlet Turnip, white tipped (rosy gem).....	10	75
✓ Early Deep Scarlet Turnip, forcing.....	10	75
✓ Early White Box or Turnip.....	10	75
✓ Early Deep Scarlet, olive shape, small top.....	10	75
✓ White Olive Shaped or Newcome.....	10	75
✓ Yellow Turnip, new.....	10	75
✓ FRENCH BREAKFAST, white tipped.....	10	65
✓ White Giant Stuttgart, summer.....	10	75
✓ Early Long Scarlet, short top.....	10	75
✓ White Vienna or Lady Finger.....	10	75
✓ Chartier Long, white tipped.....	10	75
✓ Scarlet Chinese Rose Winter, tall variety.....	10	75
✓ Long Black Spanish, winter.....	10	60
✓ White Giant Spanish.....	10	60
✓ White Strasburg or Hospital.....	10	60
✓ White Russian, very large.....	10	75
✓ California Mammoth White China.....	10	75

SAGE..... 20 2 00

Per 100 lbs. \$6.50.

SALSIFY, or Vegetable Oyster, Bocksbart.

✓ Large White.....	10	1 00
✓ Mammoth Sandwich Island, new.....	10	1 25

SORREL, Large Leaved French..... 10 1 00

SPINACH, Spinat.

25 to 100 lb lots, special prices.

✓ Early Giant Thickened Leaved. An early maturing sort, with large leaves of fine, deep color.....	oz. 5c; lb. 25c
✓ Round Summer Broad Leaved preferred in the north for early spring sowing, and is the most popular with our market gardeners. The leaves are large, thick and fleshy. Though not quite as hardy as the Prickly Winter, it stands exposure very well.....	oz. 5c; lb. 25c
✓ Round-Viroflay. (Thick-leaved) has very large, thick, dark green leaves; the favorite market gardener's sort for fall or spring sowing.....	oz. 5c; lb. 25c
✓ Curled Leaved Savoy, or Bloomsdale. Large curled and wrinkled leaves; tender and of the finest flavor.....	oz. 5c; lb. 25c
✓ Long-standing. (Round Thick-leaved). Dark green; leaves large and thick; very long-standing before running to seed; the best for spring growing.....	oz. 5c; lb. 25c
✓ Victoria (new). Extra dark black-green color; two or three weeks later than the ordinary "Long-standing;" a fine variety for spring sowing.....	oz. 5c; lb. 25c
✓ Prickly or Winter. Vigorous and hardy, and recommended for fall sowing.....	oz. 5c; lb. 25c

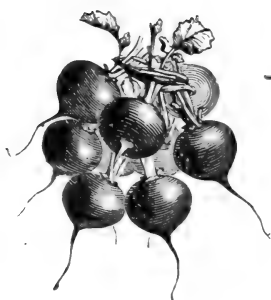
SQUASH. Kurbis

Per oz. Per lb.

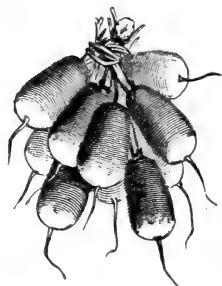
✓ The Delicious, new, see pp. 13, per pkt. 20c	✓ Canada Crook-neck, winter.....	\$ 10	\$ 75		
✓ Golden Hubbard.....	\$ 10	\$ 1 25	✓ Boston Marrow, old variety, fall.....	10	90
✓ Golden Bush Scallop.....	10	75	✓ Butman, nearly like Hubbard.....	10	1 00
✓ Early Scallop, white.....	10	85	✓ Marblehead, like Butman.....	10	1 00
✓ Giant Summer, Crook-neck.....	10	85	✓ Mammoth Chili.....	10	1 00
✓ The Faxon, new, very early.....	10	75	✓ Winter Crooked-neck.....	10	1 00
✓ Hubbard, winter, extra stock.....	10	1 20	✓ Fordhook.....	10	1 00

TOBACCO SEED. Tobak Samen.

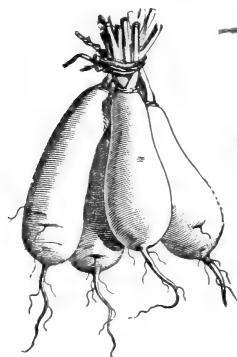
Primus, very hardy.....	per oz. 50c	Wilson's Hybrid.....	per oz. 50c
Cuban,.....	per oz. 50c	Haynes, sealed,.....	per oz. 50c



DEEP SCARLET TURNIP RADISH.
SMALL TOP. NEW.

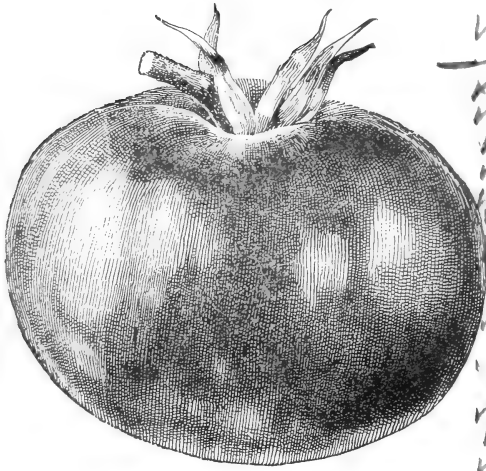


FRENCH BREAKFAST RADISH.



CHINESE ROSE WINTER RADISH.

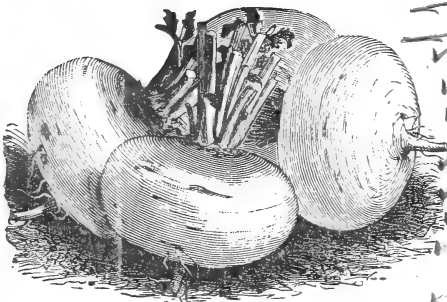
TOMATO. *Liebesapfel.*



DWARF CHAMPION.

	Per oz.	Per lb.
✓ Dwarf Aristocrat.....	\$0 25	\$2 50
✓ Livingston's Magnus, new	30	2 50
✓ New Scarlet Stone.....	25	2 50
✓ Early Michigan.....	25	2 50
✓ Early Ruby, bright scarlet	25	2 50
✓ Atlantic Prize, bright red	25	2 50
✓ Ignotum, new, deep red..	25	2 00
✓ Dwarf Champion, pink..	25	2 50
✓ Scovill's Hybrid.....	25	2 50
✓ Livingston's Beauty, pink red.....	25	2 25
✓ Livingston's Favorite pink	25	2 25
✓ Livingston's Perfection, scarlet.....	25	2 50
✓ Acme, purple.....	20	2 00
✓ Torillard, early bright red	25	2 50
✓ Paragon, bright red.....	25	2 50
✓ Ponderosa, very large, solid	25	3 00
✓ Trophy, large and solid..	25	2 25
✓ Dwarf Aristocrat, scarlet..	25	3 00
✓ Yellow Husk.....	5c paper	
Golden Queen.....	5c paper	
✓ Yellow Plum.....	5c "	
✓ Purple Husk.....	5c "	

TURNIP. *Steckrube.*



EARLY WHITE STONE TURNIP.

	Per oz.	Per lb.
✓ Extra Early White Milan.....	\$ 10	\$1 00
✓ Purple Top, flat strap leaf..	10	40
✓ Mammoth Purple Top Globe..	10	50
✓ Golden Ball or Orange Jelly..	10	50
✓ White Norfolk, large fine sum- mer globe shape.....	10	50
✓ Early White Stone, very fine..	10	50
✓ White Dutch.....	10	50
✓ Yellow Aberdeen.....	10	50
✓ White Sweet Waldo or German one of the finest Rutabagas..	10	50
✓ Skirving's Rutabaga purple top	10	50
✓ Laing's Improved Swede.....	10	50
✓ Carters Improved Swede yellow	10	50

SWEET HERBS.

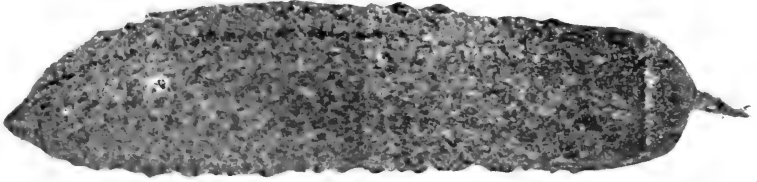
Anise, seeds aromatic.....	5c	Marjoram, leaves used in seasoning... 5c
Balm, has medicinal qualities.....	5c	Mint (Peppermint)..... 5c
Basil sweet.....	5c	Rosemary, aromatic..... 5c
Borage, leaves used for salad.....	5c	Rue, medicinal qualities..... 5c
Caraway, seeds aromatic.....	5c	Saffron, medicinal qualities, also dyeing 5c
Chives.....	5c	Sorrel..... 5c
Coriander, seeds aromatic.....	5c	Sage, culinary herb 30c per oz, \$2.00 lb.
Dill, seeds aromatic and medicinal.....	5c	Savory Summer, culinary herb..... 5c
Fennel Sweet, seeds aromatic.....	5c	Tarragon or Estragon (Roots).....
Horehound, medicinal qualities.....	5c	Thyme, culinary herb..... 5c
Lavender, leaves aromatic.....	5c	Wormwood, medicinal qualities..... 5c

Bei uns wird Deutsch gesprochen.

NEW THINGS FOR 1903.

NEW CUCUMBER, THE "CUMBERLAND."

This handsome cucumber is the result of eight years' careful breeding by one of the leading growers in the United States.



It is a cross of Parisian Pickle and Peerless White Spine, the successful combination of these two varieties making an ideal variety both for table use and for pickling. The vines are of strong, vigorous growth and very productive. The fruits, which are of handsome appearance, grow to a desirable size, very straight, firm, solid and crisp. Color is a rich pea-green, and flavor very fine, either when eaten sliced in the raw state, or after they have been pickled. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 80c.

EBELING'S NEW BLOOD TURNIP BEET.

Description of Ebeling's New Blood Turnip Beet you ordered from us this season: It is an early variety; the root is nearly round and is scarcely one-half in the earth. The skin is of a very dark red color and the flesh bright red. The leaf is long green foliage, spotted and striped in brown red. The root is about as long as that of the Detroit Dark Red Beet. Price 75c per lb.; oz. 10c. Yours truly, ANDREW LEROY & Co., Successors.

EBELING'S CRIMSON GIANT FORCING TURNIP RADISH.



This new Radish which I have the pleasure to offer to my customers for the season 1903 is an entirely new type, and differs radically from all the varieties hitherto in cultivation in so far as it grows more than double the size of those of other forcing varieties, without getting pithy or hollow.

Such sorts as Non Plus Ultra or Scarlet Globe measure 2 to 3 inches in circumference and weighs $\frac{1}{4}$ oz.; once passed this size they are unfit for use. The new Giant Radish, however, develops roots of 6 to 7 inches in circumference and over an ounce in weight, their pure white flesh remaining firm and crisp and of the mildest flavour, but notwithstanding the extraordinary size and weight of its bulbs it is second to none as a forcing variety.

The Crimson Giant Forcing Radish varies a little as to form, some of the roots being round and others inclining to oval, but its beautiful deep crimson color is quite constant. Packets only this season, 25 cents per packet.

THE DELICIOUS SQUASH.

The Delicious is the product of years in careful selection, crossing and isolating. About every known variety enters into its composition. We have been for years engaged in selecting by the test of cooking the richest among the class bearing a green color, and these we crossed with the Hubbard. From the resulting cross we have been selecting each



season for our seed stock the thickest meated specimens and the very best for quality. The result is a squash that by universal agreement surpasses the Hubbard and Marblehead. Its color is almost uniformly of a green shade, with occasionally a blue specimen, it being just about as pure in this respect as was the original Hubbard, which weighed between five and ten pounds. In thickness of flesh it surprises nearly every variety the color being a dark orange. For table use no squash compares with it in its remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor. It is a fall and winter squash, being excellent at all seasons, but like the old Hubbard, though at any time excellent, does not acquire its best quality until winter. When half grown it will be found to surpass in quality most varieties when fully ripe. Price per packet 20c.

**EBELING'S
"WONDERFUL"
LETTUCE.**

The large, white heads resemble cabbage in their solidity, and frequently weigh two and three pounds each. The quality is superb, being crisp, rich and tender. It withstands the heat well, making a fine variety for all seasons. Ounce 25 cents.

**ONONDAGA
MUSK MELON.**

This new early, large, fine oblong, netted, green fleshed Melon was originated in this city and has become a great favorite with the dealers, and much sought for as a table melon. A great yielder, very hardy, firm fleshed, attractive in appearance, a ready seller—one of the best introductions of recent years. Price, ounce 25 cents; pound \$2 00.

**WAVERLY
OATS.**

The heads are of the cluster type, long and well filled. The straw is usually of a bright, amber color and strong, erect growing, and in ordinary seasons grows somewhat taller than many other varieties of oats. The grain as will be seen from the sample is exceptionally heavy, with large meaty kernels, and the spikelets usually contain three grains instead of one as in most other varieties. Price \$1.25 per bushel.

**JAPANESE
BARNYARD
MILLET.**

This new Millet is of Prof. Brooks' introduction. It has been sown all over the United States and has given astonishing results. (*Panicum Crus Galli*) So rapidly has it advanced in popular favor that the demand far exceeds the supply. On our New York seed farm it has reached a height of 6 to 7 feet and a yield of 6 tons or more of cured hay per acre. In Massachusetts it has yielded 21 tons of green fodder per acre. As a soiling crop it can be cut three or four times, if not allowed to head. The stalk, though much larger, is softer and bears double the amount of leaves of the other varieties.

**KAFFIR
CORN.**

Is the only non-saccharine Sorghum adapted to northern growth. It is not equal to the saccharine varieties for forage but produces a heavier crop of seed which is valuable as food for poultry and cattle. It thrives in regions of the western states which are too arid for the certain production of other grains. Culture same as for the saccharine varieties. \$1.75 per bushel.

**SOJA OR
SOY BEAN**

This Bean as yet so little known in the eastern states is of great value as a forage plant, a soil renovator and food producer. It will grow wherever white beans flourish and will yield within 90 days from planting, 8 to 12 tons of green forage more nutritious than clover. Will store in the soil a considerable amount of nitrogen and if allowed to mature will produce from 30 to 60 bushels of beans, richer in protein and having a higher feeding value than any other food grown, for cattle, sheep or swine. The beans should be ground before feeding. Seed should be planted after the ground is thoroughly warm. Drill 28 to 30 inches between rows. 10 to 15 quarts per acre, leaving plants 4 to 6 inches apart in the rows. There is a large and increasing demand for northern grown seed at good prices. Why not save some?

SORGHUM.

Early Amber is the earliest and hardest Saccharine Sorghum and should be sown after the season for corn planting when the ground has become thoroughly warmed. It will thrive on any soil that will produce corn. Prepare the ground as for corn and before sowing the seed, harrow two or three times at intervals of 5 to 7 days to kill weeds. If to be cut for forage, drill the seeds in rows 2½ to 3 feet apart, cover 1½ to 2 inches deep, roll the ground after planting and harrow lightly to conserve moisture. Cultivate as you would corn. If for hay or pasture sow broadcast 1 to 1½ bushel of seed per acre or drill 10 to 20 pounds with a grain drill.

**DWARF
ESSEX
RAPE.**

The true Dwarf Essex Rape is valuable as a fattening food for pasturing sheep in autumn. It is particularly adapted as a "catch crop," for it grows best late in autumn. In the northern states it can be sown at any time from May until the end of August, but in the southern states it should not be sown until September or October for winter pasture. Its fat ening properties are said to be twice as good as clover. Sow ten or twelve pounds per acre in drills fifteen inches apart. When sheep are feeding on Rape they should at all times have access to salt. Per pound 8 cents; 100 pounds \$6.50.

If in doubt what to grow on your land sow clover seed. You can't have too much of it and feed it out on the farm.

Kill the weeds by two or three harrowings before sowing grass seeds or grain.

The man who makes two weeds grow where but one grew before by sowing the seed on his well prepared soil is a fool. *Buy clean seed.*

Weed seed is a dear purchase at any price. The home supply is more than enough.

BARLEY, SPRING RYE, SPRING WHEAT AND SEED OATS.

We offer choice well cleaned, true to name, varieties of SEED at reasonable prices.

BEARDLESS BARLEY—A fine yielder. Strong growth of Straw. A barley without the objectionable beards, giving it a superior feeding value. These features combine to make it the best and most profitable Barley known. Beardless Barley was introduced by us several years ago, and has proved to be very popular. Price \$1.00.

BUCKWHEAT—\$1.00 per bushel.

SPRING RYE—We offer a fine crop of Spring Rye at \$1.49 per bushel.

SPRING WHEAT—We can supply SPRING WHEAT at market prices.

WHITE SEED OATS—We offer choice well cleaned, true to name, varieties of Seed Oats at reasonable prices.

COW PEAS—\$2.75 per bushel.

SPELTZ—\$1.00 per bushel.

DWARF ESSEX RAPE—\$6.50 per 100 lbs.

ALFALFA—Market price.

FIELD CORN—White or Yellow.

HURON DENT CORN.

SOY BEANS.

GOLDEN MILLET—\$2.00 per bushel.

JAPANESE MILLET—\$1.50 per bushel.

KAFFIR CORN—\$1.25 per bushel.

AMBER CANE.

**WHITE AND YELLOW
FIELD CORN.**

We have a fine stock of eight and twelve rowed State Corn, which we offer at reasonable prices.

HURON DENT CORN.

Ripens as early as common field corn. Size of ear between the leaning or the ordinary eight-row sort. Ripens as early and is the best of the Dent varieties, Something that is bound to take the place of the common field sorts with the advantage of its being a much larger yielder. We have a fine stock. Price \$1.25 per bushel.

ALFALFA.

This valuable forage plant should have a place on every farm where the soil conditions do not prohibit its growth. It can be grown on any fairly well drained ground, a limestone soil being most desirable, and will send its tap root down through permeable soil until it strikes water, depths of 60 feet being reached. While a thin soil above rock has been thought to prevent its successful growth, in our southern states it flourishes on strong lime soils even when the rotten limestone rock comes within a few inches of the surface. In New York State it is grown largely in Onondaga County. It is counted the most valuable forage crop at the State Experiment Station at Geneva. Where the soil in a heavy clay loam, and throughout the western part of the state there are many well established fields in situations varying from river bottom lands to hill tops.

The **FIRST** essential in growing Alfalfa is clean soil, the seedling is slender and easily smothered by weeds.

SECOND, sow fresh American grown seed 30 pounds to the acre. The seed may be sown broadcast or drilled in. Seeding is generally done in the spring and early summer.

THIRD, cut when just commencing to bloom whether the plant be large or small if allowed to form seed the growth of the plant ceases. Three cuttings may be made during the season in this latitude after the plant becomes established.

The yield of hay is from four tons to the acre upward, depending upon the fertility of the soil. The hay is palatable and nutritious, and is composed almost wholly of muscle forming elements and should be fed with corn meal for fattening purposes. Experiment Stations place the feeding value of Alfalfa hay at \$20.00 per ton as against Timothy at \$12.

SPELTZ.

This has proven a great success in this neighborhood. Frank Matty and J. C. Surbeck of this city, and J. P. Tuck of Chittenango, N. Y., can be referred to by any who are in doubt. It is neither wheat, rye nor barley, and yet it appears to be a combination of these. It is more like wheat than any others mentioned. All kinds of animals seem to thrive on it. Yields 80 bushels of richer food than corn, besides giving as much as four tons of good fodder per acre. As a green grass hay food it often gives 100 leafy stalks from one seed, which shows its heavy stooling properties. The heads are somewhat similar to two-rowed barley, the spikelets being separated from each other in such a manner that the crop is not easily injured by the weather. The culture of Speltz is same as for wheat or oats, sow 50 to 60 pounds to the acre. In the green state it makes an excellent pasture. Cut when the grain is past the middle stages of milk, when it will make splendid grain and lots of straw hay of excellent quality. Thrash like wheat, but not so closely. The hull and kernel can then be fed or first ground. Price \$1.00 per bushel.

COW PEAS.

The principal varieties grown in the northern states are the black and whippoorwill, a brown striped pea.

Sow after the season for corn planting when the ground is thoroughly warmed. Most of the failures with this crop have resulted from sowing too early, the seed either rotting or the plants making but a feeble start from which they never fully recover and often being choked out by weeds.

The ground should be free from weeds and to make it so, should be harrowed two or three times at intervals of five to seven days before Peas are planted.

Sow 1 to 1½ bushels per acre, if broadcast, and if drill d, 20 to 30 lbs. Cover ½ to 2 inches deep.

Drilling 30 inches apart and cultivating between the rows is the best method of culture. When the plants begin to run they should be allowed to cover the ground.

May be sown with oats for forage, one-third oats, two-thirds peas broadcast.

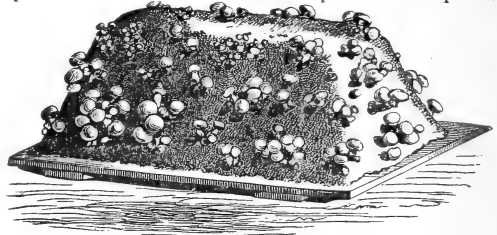
As far north as Michigan, Cow Peas have made a vine growth of 8 feet and root growth of 5 to 6 feet, and have matured over 30 bushels of seed per acre.

Sown after early potatoes are dug, the Peas will make feed in 8 weeks. Will keep down the weeds and leave the land in splendid condition for any succeeding crop.

This plant makes one of the best quick growing cover crops to plow under for enriching the soil.

MUSHROOM SPAWN.

CAMPIGNON, FRENCH. Culture—Mushrooms may be grown in cellars, under benches of greenhouses or in sheds, wherever the temperature of 50 degrees can be kept up throughout the winter. The beds should be made from November to February, according to the time the Mushrooms are wanted, and it requires about two months for them to begin bearing. Secure fresh horse dung, free of equal bulk of loam from an old pasture. Keep this



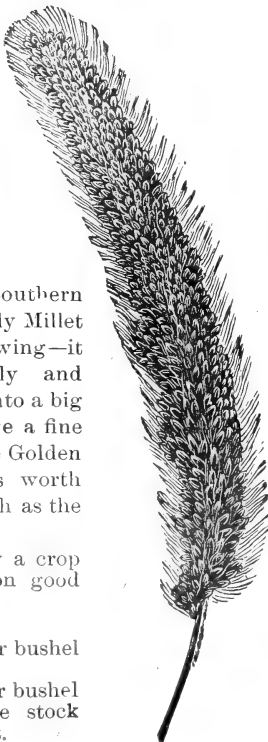
MUSHROOM BED.

Spread a layer of fresh soil over the heap to the depth of two inches, and cover with three or four inches of hay, straw or litter. Examine the bed often to see that it does not get dry. Take special care, however, when water is given, that it be at a temperature of about 100 degrees. Price 25c, per lb. .

Southern

Golden

Millet.



The true Southern Golden is the only Millet that worth sowing—it yields immensely and grows quickly into a big fodder. We have a fine stock of the True Golden Millet, which is worth ten times as much as the “Common.”

This will grow a crop six feet high on good soil.

Golden Millet,
\$2.00 per bushel

Common Millet,
\$1.20 per bushel

Also offer fine stock Hungarian Millet.

CLOVER, GRASS AND FIELD SEEDS.

Clover, Red.	Dwarf Essex Rape.
“ White,	Peas, Canada.
“ Crimson,	“ Black Eye.
“ Alfalfa.	“ Cow.
“ Alsike.	“ Early and Late.
“ Bokhara.	Rye, Spring.
“ Sainfoin.	“ Winter.
Timothy, Reclaimed.	Corn, Leaming.
“ Choice.	“ Pride of the North
“ Prime.	“ Sweet.
Red Top.	“ Pop.
Blue Grass.	“ Field.
Orchard Grass.	Wheat, Spring.
Millet, German.	“ Winter.
“ Hungarian.	Oats, Seed.
“ Common.	“ Winter.
Barley.	Flax Seed.
Buckwheat.	Broom Corn.
Amber Cane.	Quack Seed.

SPECIAL GRASSES.

	Wt. lb.	Per lb.	10 lbs
Awnless Brome Grass.....	14	25c	\$2 50
Creeping Bent.....	20	30c	2 25
Meadow Foxtail.....	7	35c	3 75
Sweet Vernal.....	10	20c	1 75
Tall Oat Grass.....	10	20c	2 00
Crested Dogtail.....	21	45c	4 50
Sheep's Fescue.....	12	25c	2 25
Hard Fescue.....	12	15c	1 50
Meadow Fescue.....	22	15c	1 50
Tall Meadow Fescue.....	14	25c	2 50
Red Fescue.....	14	25c	2 25
Rough Stalked Meadow.....	14	35c	3 25
Italian Rye Grass.....	18	13c	1 25
Wood Meadow Grass.....	14	40c	3 50

Special prices given for quantities on any of the above varieties.

KEY TO TOOLS, ETC., ON FOLLOWING PAGES.

No.	Price.	No.	Price.
1 Solid Shank Hoe.....	\$ 30	51 Steel and Malleable Garden Rakes.....	25 to 60
2 Notched Scuffle Hoe.....	1 00	52 English Lawn and Grass Scythe.....	1 25
3 Narrow Hoe and Rake.....	50	53 English and American Spades.....	75 to 1 50
4 Socket Common Hoe.....	30	54 Latest Pattern Steel Garden Rakes.....	40 to 75
5 Trowel Shape Weeding Hoe.....	75	55 All styles of Shovels, large and small.....	75
6 Onion Hoe, "double end,".....	50	56 Asparagus, Dock and Weed Digger.....	30
7 Hoe and Rake, several sizes.....	25	57 Weeders.....	50
8 Potato Hook, several sizes.....	40	58 Waters' Tree Pruner.....	1 00 to 1 50
9 Secor Weeding Hook.....	10	59 Steel Trowels.....	10 to 50
10 Large Plantation Hoe.....	50	60 Cleves' Angle Trowel.....	15 to 35
11 Thistle Spud.....	50	61 Watering Pot.....	25 to 75
12 Thistle Spud for Lawns.....	50 to 75	62 " ".....	1 00
13 Pruning Shears, all kinds.....	40 to 1 50	63-64-65-66 Weeders.....	15 to 30
14 Hedge Shears, several sizes.....	1 00 to 1 75	67-68-69-70-71-72 Thermometers.....	20 to 1 00
15 Sheep and Grass Shears.....	50 to 1 50	73 Pruning Saws.....	75
16 Border Shears with roller, or without.....	2 50 to 4 00	75-76-77-78-79 Syringes.....	1 00 to 4 00
17 Spud for Pulling Vegetables.....	1 00	80 Double Leaf Rake.....	75
18 Patent English Weeder.....	25	81 Gardener's Mittens.....	50
19 " " Scuffle Hoe.....	35 to 50	82 Small Ax.....	75
20 Onion and Celery Plow,.....	2 50	83 Fumigator.....	1 25
21 Tack Claw.....	15 to 25	84 Powder Gun.....	25
22 Pruning and Wood Saws.....	50 to 1 50	85 Breen's Finger Spade.....	10
23 Mattock, several sizes.....	50 to 75	86 Lang's Weeder.....	25
24 Transplanting Fork.....	15 to 40	87 Glazier's Points, per box.....	50
25 Wire Leaf Rake.....	60	88 " Pincers.....	40
26 Narrow Mattock.....	75	89 Rubber Plant Sprinkler.....	75 to 90
27 Tree Pruners, several styles.....	1 00 to 3 50	90 Putty Bulb.....	90
28 Steel Trowels, all grades.....	10 to 60	Pedestal.....	2 50
29 Flower Gatherer.....	50 to 1 00	Lily Pot.....	40
30 Lang's Patent Weeder.....	25	Hanging Log.....	25 to 75
31 Trellis, all sizes.....	20 to 2 00	Oblong Lily Pot.....	60
32 Double End Pruning Saw.....	75	Begonia Pot.....	25
33 Bill Hook.....	1 00 to 1 50	Rustic Pot.....	50
34 Garden Line Reel.....	1 50	Standard Flower Pot.....	All prices
35 Grape and other Scissors.....	25 to 1 00	Jardinier.....	All prices
36 English Lawn Rake.....	75 to 1 25	Flower Pot Brackets.....	15 to 20
37 Whittling and Pruning Knives.....	50 to 1 25	Hyacinth Glass.....	15
38-39-40 English Pruning Knives.....	50 to 1 25	Wire Plant Stand.....	3 00
41-42 Budding and Grafting Knives.....	50 to 1 00	Flower Pot and Cage Bracket.....	10 to 1 00
43 Grafting Chisel.....	75	Saucers, price according to size.....	
44 English Pruning Hook Knife.....	1 00	Wooden Tubs.....	1 00 to 3 00
45 Dibber for transplanting.....	25		
46 Border Knives.....	60 to 1 25		
47 Floral Sets of four pieces.....	50 to 75		
49 Warren Hoe, very practical.....	65		
50 English and American Grass Hooks.....	25 to 75		



SEED AND GRAIN TRYERS.

Large Taper Tryer, Steel Point, Nickled,	Price, \$1.25
Small Straight, " " " " Brass,	1.00
" " " " Brass,	.75

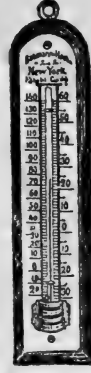
A LIBERAL DISCOUNT TO THE TRADE

Note Our List of Poultry Supplies on Last Page.

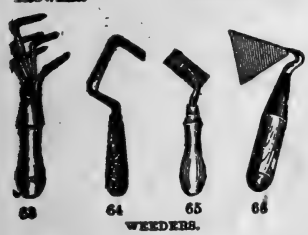
Buy Your Whips, Cutlery and Hardware of Us.



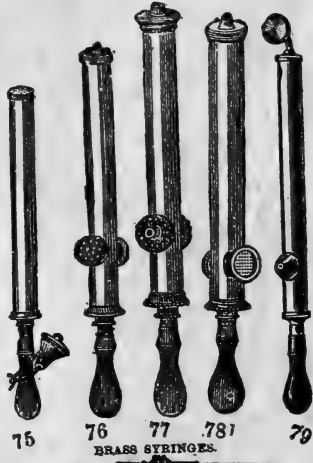
PRUNING SAWS.



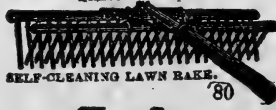
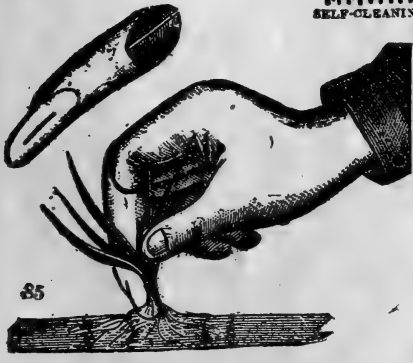
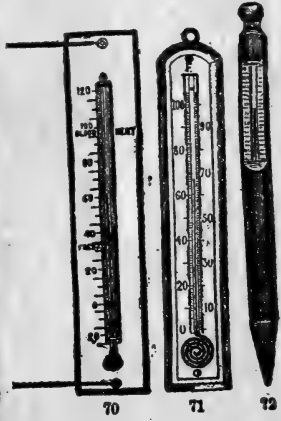
WATERING POTS.



WEEDERS.



BRASS STRINGERS.



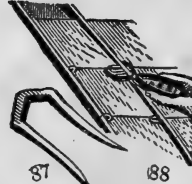
SELF-CLEANING LAWN RAKE.



EUREKA FUMIGATOR.



POWDER GUM.



GLAZING POINTS AND PINCERS



PLANT SPRINKLER.



PUTTY BULB.

We Keep all kinds of Family Hardware. We do Tin and Galvanized Iron work
We Sell all Kinds of Fertilizers.

SUPPLEMENTS TO FLOWER SEED LIST.

Flowers of Easy Cultivation that all Lovers of Flowers can and Ought to Grow.

ASTERS.

For early flowering sow inside in April or March, in shallow pans or boxes, using a light soil. Cover seed very lightly; transplant seedlings when large enough to handle; plant in permanent beds about June 1st; for late flowering sow in open ground as soon as weather permits.

Our Asters are Grown for Us by Specialists from the Finest Strains in the World and are Unrivaled.

AMERICAN BRANCHING. (Semple's or Vick's Branching.) A free growing Aster of robust, erect habit producing large, feathery blossoms, resembling Japanese Chrysanthemums; one of the finest for cutting. Height three feet.

	Oz.	½ oz.	Pkt.		Oz.	½ oz.	Pkt.
Finest Mixed	\$3.00,	.50,	.10	Light Blue	\$3.50,	.60,	.10
Crimson	3.50,	.50,	.10	Rose-Pink	3.50,	.60,	.10
Dark Blue	3.50,	.50,	.10	White	3.50,	.60,	.10

COMET—Colors various, with long wavy petals, full flower. 10c.
SNOWBALL—Pure white, pompon shape flower, about 15 inches high. 20c per pkt.
HARLEQUIN—Spotted and striped double mixed. 10c per pkt.
MIGNON—Pure White, small pompon flowers. 10c per pkt.
VICTORIA—Mixed color, tall, full flower, pyramidal shape. 10 cts.
BALL OR JEWEL—Symmetrically incurved, the bloom a perfect ball. 25cts. per pkt.
BRANCHING—Vick's white, very fine. 10cts per pkt.

For all other varieties see General Flower List.

BALSAM.

Beautiful and easily grown Half Hardy Annuals. Sow in open ground in May; the soil should be light and open; height 1 to 2 feet

DOUBLE WHITE.....oz.	\$2.00,	pkt. 10c	DOUBLE ROSE.....oz.	\$1.50	pkt. 10c
“ PINK “	1.50,	pkt. 10c	“ RED “	1.50	pkt. 10c

CALENDULA (MARIGOLD.)

Hardy free flowering Annuals with large double flowers in splendid variety of colors; grows well in dry situation; height, 1 foot. Sow outside in May.

MIXED, all colors	oz. 50cts.	Pkt. 5cts
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CALLIOPSIS OR COREOPSIS ANNUAL VARIETIES.

Charming hardy Annuals, blooming early and lasting in flower till frost. Very useful for cutting.

MIXED VARIETIES in Rich and Brilliant Colors	Pkt 10cts
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CANDYTUFT (IBERIS.)

Very showy, hardy Annuals, growing about 1 foot in height; grows well in any ordinary soil. Sow outside in May.

MIXED COLORS in great variety	oz. 30cts.	Pkt. 5cts
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CARNATION MARGUERITE.

Half hardy perennials if sown inside in spring and transplanted to the open garden in May, will flower in July and continue till frost, when with a light covering of rough straw or leaves they can be carried over winter and be much better the following year; or they may be potted up in the fall and flowered in the house during winter. The flowers in size, fragrance and variety of colors are equal to the best greenhouse varieties. Sow inside in March or April in shallow pans or boxes; transplant in open ground in May, or sow seed outside as soon as danger of frost is over.

MIXED VARIETIES, or separate colors (white, pink, red, rose yellow, striped,)	oz. \$2.00,	Pkt. 10 cts
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CASTOR BEAN (RICINUS.)

Tender Annuals of rapid and gigantic growth, producing enormous dark green or bronze colored palmate leaves, excellent for massive foliage effect on lawns or backgrounds; can be started in April in the house and transplanted to the open garden about the first of June where they will attain a height of from 6 to 10 feet in a few weeks. 25c oz., 5c pkt.

CHRYSANTHEMUMS' ANNUAL VARIETIES.

Hardy Annuals of easy cultivation and blooming early in the summer; grows about 2 feet high; splendid variety of colors.

SINGLE, MIXEDoz. 40c.	Pkt. 5c.	DOUBLE, MIXEDoz. 40c.	Pkt. 5c
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SUPPLEMENT TO FLOWER SEED LIST.

COSMOS EARLY FLOWERING.

One of the most beautiful flowers in cultivation; if sown in May in the open ground will bloom about the middle of July; the colors include pure white shades of lilac, rose and crimson.
MIXED SHADES Pkt. 10cts

DAHLIA, SINGLE.

These popular flowers can be raised from seed and flowered the same season, and nothing gives more satisfaction than a good bed of Single Dahlias, being far superior to the double varieties for cutting purposes; sow seed inside in April; plant in the open ground about the first of June. A cool, rich soil suits Dahlias.
MIXED VARIETIES Pkt. 10cts.

MIGNONETTE.

This delightfully fragrant plant should be grown by every one who has room for a window box. Its cultivation is the easiest possible. The seeds should be sown early outside, and the young plants thinned sufficiently to allow them to branch. Water freely in dry weather.
MACHET, one of the best oz., 60cts. Pkt., 10cts

NASTURTIUMS.

No collection of flowers should be without Nasturtiums, they grow so forcibly and afford such a variety of rich bright colors. As a cut flower there is nothing more effective, sweet scented and pleasing in every way.
TALL VARIETIES MIXED . . oz. 10cts. Pkt. 5cts | **DWARF VARIETIES MIXED**—oz 15c Pkt 5c

OUR MIXTURE OF NASTURTIUMS IS THE FINEST IN THE COUNTRY.

<p>NASTURTIUM DWARF, Aurora, very fine . . .</p> <p>" " Beauty, yellow and scarlet . . .</p> <p>" " Bronze . . .</p> <p>" " Cardinal—Dark Scarlet . . .</p> <p>" " Cloth of Gold—Light foliage . . .</p> <p>" " Crystal Palace—Dwarf . . .</p>	<p>Each 5c Pkt.</p>	<p>NASTURTIUM DWARF . . . Empress of India . . .</p> <p>" " " " dark Leaves . . .</p> <p>" " " " King of Tom Thumb . . .</p> <p>" " " " King Theodore, very dark . . .</p> <p>" " " " Ruby King . . .</p> <p>" " " " Flammulum Grandiflorum—Tall, scarlet and yellow, extra fine . . .</p>	<p>Each 5c Pkt.</p>
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PETUNIA.

The Petunia, owing to its good growing qualities and its dazzling colors, is a favorite with all growers of flowers who appreciate brilliant effects; for window boxes and mass beds nothing is more effective. Annuals growing from 12 to 15 inches high.
DOUBLE VARIETIES MIXED . . . Pkt., 50cts. | **SINGLE** Pkt., 10cts

SALVIA (FLOWERING SAGE.)

Splendens, one of our most useful and gorgeous bedding plants, with long spikes of brilliant scarlet flowers, blooming continuously from mid-summer till frost; about 3 feet high. Sow inside in April and transplant outside when danger of frost is over, or sow outside in May. \$3.00 oz. 10cts. pkt.

SWEET PEAS.

The improvement in this flower during the last few years is truly wonderful. The beauty and variety obtained through the work of the hybridizers is a revelation as to what can be done for the improvement of flowers by hybridizing. The delicate shades to be had in the new Sweet Peas cannot be surpassed by even the rose. To get the Sweet Pea in perfection it should be sown early in rich rather moist soil. Dig a trench about eight inches deep, fill in two inches of well rotted manure, then two inches of rich soil in which the Sweet Peas should be sown cover with one inch of soil and as the plants grow keep filling till trench is level. In dry weather cover roots with litter of any kind to keep moist and cool and you will be well repaid.

LEADING VARIETIES.

<p>Oderatus "Sweet Peas"—</p> <p>Adonis—Beautiful deep rose with wings almost carmine</p> <p>Apple Blossom—Resembles the flower of Apple Blossoms</p> <p>The Bride—The best earliest pure white in the market</p> <p>Boreaton—Its flowers are rich dark chestnut color</p> <p>Bronze Prince—Rich chestnut color bronze maroon</p> <p>Black—Deep maroon and dark blue</p> <p>Blanche Burpee—Pure white, very large</p> <p>Blanche Ferry—Bright pink and white</p> <p>Butterfly—White, edged with blue</p> <p>Cardinal—Bright crimson</p> <p>Countess of Radnor—Soft lavender</p> <p>Daybreak—Watered, red and white</p> <p>Delight—White Rose shaded</p> <p>Dorothy Tennant—Rosy mauve</p> <p>Duchess of Edinburg—Light scarlet & white</p> <p>Duchess of York—Delicate white, striped pink</p> <p>Emily Eckford—Rosy mauve changing to blue</p> <p>Empress of India—Rose standard, white wings</p> <p>Emily Henderson—Large clear white</p> <p>Firefly—Bright crimson scarlet</p> <p>Grand Blue—(Invincible blue)</p>	<p>5 Cents Per Package.</p>	<p>Grey Friar—A light marble mauve</p> <p>Imperial Blue—Purplish blue</p> <p>Indigo King—Dark maroon-purple</p> <p>Isa Eckford—Creamy white, shade of pink</p> <p>Lemon Queen—Pale blush and lemon</p> <p>Light Blue and Purple</p> <p>Meteor—Orange pink</p> <p>Mrs. Eckford—Whitish yellow, very fine</p> <p>Orange Prince</p> <p>Pink Cupid or Dwarf Blanche Ferry—Pink and white</p> <p>Primrose—Yellow</p> <p>Princess May—Soft Lavendar</p> <p>Prince of Wales—White, striped mauve and blue</p> <p>Senator—Chocolate striped, showy</p> <p>Stanley—Very dark maroon</p> <p>Splendor—Bright rose</p> <p>Venus—Salmon buff</p> <p>Violet Queen—Violet</p> <p>Double Sweet peas Stanley very dark maroon</p> <p>" " Duke of Clarence Dark claret</p> <p>" " White</p> <p>" " Lottie Eckford, creamy white</p> <p>" " Boreaton—Dark chestnut</p> <p>" " Waverly—Rosy claret</p> <p>" " Apple Blossom</p> <p>" " Cap't of Blues—Bright purple</p>	<p>5 Cents Per Package.</p>
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SELECT FLOWER SEEDS.

NAME.	Hardness and Duration.	Height. Feet.	Color of Flower.	Culture.	Per Pkt.	GENERAL OBSERVATIONS.
Abobra viridiflora.....	hhP	6	green.	E	5	Abobra.—A beautiful variety of climbing Gourd, with elegant foliage.
Abronia umbellata.....	hhA	1/2	rose.	D	5	Abronia.—Trailing Verbena like flowers.
Aconitum napellus.....	hP	2	blue&w.	C	5	Aconitum.—Monkshood.
Acroclinium roseum.....	hA	1	rose.	E	5	Acroclinium.—Pretty everlasting flowers; should be cut before fully expanded.
" album.....	hA	1	white.	"	5	
Adlumia cirrhosa.....	hA	15	pink.	"	10	Adlumia.—A beautiful climbing, fine foliaged plant, also known as Mountain Fringe and Alleghany Vine.
Adonis aestivalis.....	"	1	scarlet.	"	5	Adonis.—Showy border flowers.
African Rose.....	"	"	"	"	"	African Rose.—See Hibiscus.
Ageratum mexicanum.....	hA	1	blue.	B	5	Ageratum.—Continual bloomer, and fine for cutting. The dwarf varieties are very desirable for borders or edgings.
" Imperial Dwarf.....	"	1/2	"	"	5	
" nanum.....	"	1/2	"	"	5	
Agrostemma Cœli Rosa.....	"	1	rose.	A	5	Agrostemma.—Rose Campion.
Agrostis nebulosa.....	"	1	"	A	5	Agrostis.—Very fine for dried grasses.
" pulchella.....	"	"	"	"	"	
Alleghany Vine.....	"	"	"	E	"	Alleghany Vine.—See Adlumia.
Alonsoa grandiflora.....	hhA	1 1/2	scarlet.	E	5	Alonsoa.—Very showy in blossom and of graceful habit: excellent for bedding.
Alyssum maritimum (sweet).....	hA	1	white.	"	5	Alyssum.—Excellent for pot or basket cultivation or for edgings in the flower garden. The perennial varieties are among the earliest and most attractive of spring flowers.
" saxatile compactum.....	P	1	yellow.	"	5	
" Wierzbecki.....	"	1	w. & y.	"	5	
Amaranth.....	"	"	"	"	"	Amaranth.—See Gomphrena.
" bicolor ruber.....	hhA	3	var. lf	"	5	Amaranthus.—Beautiful foliaged plants. A. Salicifolius and Henderi form elegant pot plants for greenhouse or conservatory and are much used for bedding. A. caudatus is the well-known "Love lies bleeding." A. cruentus is better known as "Princess' Feather." A. tricolor as "Joseph's Coat" and A. melan. as "Nun's Whipping Post."
" caudatus.....	"	3	"	"	5	
" cruentus.....	"	2	"	"	5	
" melancholicus ruber.....	"	1	"	"	5	
" salicifolius.....	"	3-5	"	"	10	
" Henderi (new).....	"	4	"	"	10	
" tricolor.....	"	2	"	"	5	
Amethyst.....	"	"	"	D	"	Amethyst.—See Browallia.
Ammobium alatum.....	hA	2	white.	E	5	Ammobium.—White everlasting flowers.
Anagallis grandiflora, Eugenie.....	hhA	1	b. & w.	B	5	Anagallis.—Poor Man's Weather Glass. Splendid for rock-work and borders.
" Napoleon III.....	"	1	crimson.	"	5	
" grandiflora, fine mixed.....	"	1	mixed.	"	5	
Anchusa augustifolia capensis.....	hP	2	blue.	C	5	Anchusa.—Splendid for bouquets; long bloomer, azure blue forget-me-not like flowers; blossoms first year from seed.
Angelonia grandiflora.....	hP	1 1/2	blue.	"	10	Angelonia.—Blue flowers; sweet scented.
Animated Oat.....	"	"	"	"	5	Animated Oat.—See Avena.
Antirrhinum majus.....	P	2	mixed.	B	5	Antirrhinum.—Snapdragon. Will bloom first season.
" majus nanum picturatum.....	"	"	"	"	"	
Aquilegia, Single.....	P	1 1/2	"	C	5	Aquilegia.—Columbine. Pretty and very desirable for early spring flowering.
" Double.....	"	1 1/2	"	"	5	
Arctotis breviscapa.....	hhA	1 1/2	orange.	B	5	Arctotis.—Large orange flowers with dark centre.
Argemone Hunnemannii.....	hA	2	car. & yel.	A	"	Argemone.—Mexican Poppy.
Artemesia gracilis.....	"	4	"	"	"	Artemesia.—Highly decorative foliage plant.
Aristolochia Sipo.....	hB	30	y. & br.	D	"	Aristolochia.—Dutchman's Pipe. A quick growing climber, with large heart-shaped leaves. Highly recommended.
Asperula azurea setosa.....	hA	1	blue.	A	5	Asperula.—Very sweet scented flowers and profuse bloomer.
" odorata.....	hP	1/2	white.	"	10	
Aster, German quilled.....	hA	2	mixed.	D	5	Aster.—The vast improvement made in the last few years by the English and German growers of this showy flower cannot be too highly spoken of. We refer especially to the diffent varieties of Truffaut's Pæony-flowered and the New Washington Asters. The La Superbe varieties of the first-named are rightly termed, for in every respect they are truly superb.
" Dwarf Pyramidal Bouquet.....	"	1	"	"	10	
" Truffaut's Pæony-fl'd Perfection.....	"	2	"	"	10	
" " La Superbe.....	"	2	rose.	"	10	
" " ".....	"	2	sky b. & w.	"	10	

Additional Flower Seed List on Pages 20, 21, 22.

Hardware, Tools, Glass, Putty and Tinware.—Tin Work.

Try Our Parrot and Bird Seeds.

NAME.	Hardiness and Duration.	Height. Feet.	Color of Flower.	Culture.	Per Pkt.	GENERAL OBSERVATIONS.
Aster, Truffaut's La Superbe.....	hA	2	pure wht.	D	10	Aster. No lover of these flowers can find anything so easily cultivated that would afford such genuine pleasure and satisfaction. The New Washington varieties are extremely beautiful, attaining a very large size averaging 4½ inches in diameter, and in delicacy of tints are unequalled. Aster seed should be sown early in the Spring in a hot-bed or window box and transplanted out-doors when the weather is warm, about 12 inches apart—the taller varieties a little farther apart and the dwarf varieties a little nearer together.
" Dwarf Chrysanthemum.....	"	1	mixed.	D	15	
" Large Rose-flowered.....	"	2½	"	D	15	
" Cocardeau or Crown (w. centre).....	"	2	various.	D	15	
" New Washington, white.....	"	2	white.	D	20	
" Perennial, fine mixed.....	"	"	mixed.	D	5	
Avena sterilis.....	hA	2	.....	C	5	Avena.—Animed Oats.
Balloon Vine.....	hhA	5	white.	B	5	Balloon Vine.—Love-in-a-puff; climbing plant for house or garden.
Balsam, Double Extra.....	hA	1½	mixed.	B	10	Balsams.—Our balsams have been selected with great care and we feel certain that they will please our customers.
" Double Rose flowered.....	"	2	white.	B	10	
" Double Rose flowered, white.....	"	2	white.	B	10	
" Double Camellia flowered.....	hA	2	mixed.	B	10	
" New Carnation-striped.....	"	2	"	B	10	
" Double Solferino.....	"	2	w., spt., str.	B	10	
" " Victoria.....	"	2	w., sc. sp.	B	10	The Double Victoria White Scarlet Spotted is very delicate in color and will become a great favorite.
Bartonia aurea.....	hA	1	yellow.	E	5	Bean.—Climbers, bearing clusters of dazzling scarlet, and pure white flowers.
Bean, Scarlet Runner.....	"	15	scarlet.	A	5	Bellis Perennis, fl. pl.....
" White, ".....	"	15	white.	A	5	
Bellis Perennis, fl. pl.....	hP	¾	mixed.	C	5	Bellis.—Double Daisy.—Very handsome spring flowering plant.
Brachycome iberidifolia.....	hhA	1	mixed.	D	5	Brachycome.—Swan River Daisy.
Briza compacta.....	hA	1	.....	A	5	Briza.—Quaking Grass.
" maxima.....	"	1	.....	A	5	Bromus.—Ornamental Grass for winter bouquets.
Bromus brizæ formis.....	hP	1	.....	C	5	
Browallia elata.....	hhA	1½	mixed.	D	5	Browallia elata.—Is one of the finest of the few blue flowers, either for pot or garden culture, and useful for cutting for bouquets.
Bryonopsis laciniosa erythiocarpa.....	hhA	5	red.	D	10	Bryonopsis.—Climber, producing green fruit, which subsequently turn to brilliant scarlet, striped with white.
Cacalia coccinea.....	hA	1½	scarlet.	E	5	Cacalia.—Tassel Flower.
Calampelis scabra.....	hhA	8	orange.	D	5	Calampelis.—A good climber, flower tube shaped.
Calandrina discolor.....	hA	1	rose.	E	5	Calandrina.—Very desirable for pot plant; also for rockeries.
" grandiflora.....	"	1	rosy pink.	E	5	
" umbellata.....	"	1	crim. violet.	E	5	Calceolaria.—Lady's Slipper. Saved from the very choicest varieties of the finest collections.
Calceolaria hybrida, large flowered.....	gP	2	mixed.	F	25	Calceolaria.—Lady's Slipper. Saved from the very choicest varieties of the finest collections.
" James' Prize splendid.....	"	1	"	F	25	
Calendula pluvialis.....	hA	1	w. b. and th.	A	5	Calendula.—Cape Marigold.
Calendula Officialis "Meteor".....	"	1	lt. orange.	A	10	Calendula Off. Meteor.
California Poppy.....	"	1	"	E	5	California Poppy.—See Eschscholtzia.
Calliopsis Drummondii.....	hA	1½	pur. & yel.	E	5	Calliopsis.—Very showy and continues to bloom a long time.
" bicolor nana.....	"	1½	mixed.	E	5	C. Drummondii is admirably adapted for borders.
Callirrhoe pedata nana.....	"	2	mixed.	"	5	Callirrhoe.—Profuse bloomer, continuing throughout the season.
Campanula medium, single.....	hP	2	.....	C	5	Campanula.—Canterbury Bell, will bloom first year if sown early. C. speculum, Venus Looking Glass.
" speculum.....	hA	2	mixed.	C	5	
Canary Bird Vine.....	hhA	10	yellow.	D	10	Canary Bird Vine.—See Tropæolum canariense.
Candytuft.....	"	"	.....	E	5	Candytuft.—See Iberis.
Canna, Finest mixed.....	hhP	"	mixed.	D	5	Canna.—Indian Shot. C. Nigricans has very dark foliage. C. Zebrina has striped foliage. The kinds catalogued are selected as the best of many varieties, especially for centres of beds containing ornamental foliage plants.
" Nigricans.....	"	"	red.	D	10	
" Zebrina.....	"	"	scarlet.	D	10	
Canterbury Bell.....	"	"	.....	C	5	Canterbury Bell.—See Campanula.
Cardinal Flower.....	"	"	.....	B	5	Cardinal Flower.—See Lobelia.
Cardiospermum Halicacabum.....	hhA	5	white.	"	5	Cardiospermum.—See Baloon Vine.
Carnation.....	"	"	.....	A	5	Carnation.—See Dianthus.
Castor Oil Bean.....	"	"	.....	D	5	Castor Oil Bean.—See Ricinus.
Catchfly.....	"	"	.....	E	5	Catchfly.—See Silene.

CANNAS—Crozy's Dwarf Flowering French. A new class of Cannas, foliage luxuriant, plants dwarf in habit; large size and brilliant hues, all shades of yellow and orange to the richest crimson, scarlet and vermilion; also beautifully spotted. Seed sown in a hot bed or greenhouse from January to April will produce flowering plants in July. Mixed pkt. 10 cts.

CANNAS—Marechal Vallant. Foliage rich maroon; large bright orange flowers, 5 ft. Pkt 5 cts.

" —Tricolor. Foliage green, red and creamy yellow, bright scarlet flowers; 3 ft. Pkt. 5 cts.

NAME	Hardiness and Duration.	Height. Feet.	Color of Flower.	Culture.	Per Pkt.	GENERAL OBSERVATIONS.
<i>Celosia, cristata nana</i>	hhA	1	crimson.	B	5	<i>Celosia</i> .—Cockscomb, showy plant, producing large combs of crimson or yellow flowers.
“ feathered.	“	1	mixed.	B	5	
“ japonica	“	2	scarlet.	B	10	
<i>Centaurea candidissima</i>	hhP	1	silver fol.	E	15	<i>Centaurea</i> .—Dusty Miller; silver leaved foliage plants, extensively used in borders and bedding. Pick the buds off as they appear. They should not be allowed to flower if a thick mass of foliage is desired. <i>C. moschata</i> .—Sweet Sultan. <i>C. cyanus</i> .—Bachelor's Button.
“ gymnocarpa.	“	1½	blue.	E	15	
“ moschata	“	2	mixed.	E	15	
<i>Centranthus macrostiphon</i>	“	1½	red.	E	5	<i>C. cyanus</i> .—Bachelor's Button.
<i>Chamæpuce casabonæ</i>	hhP	1	orn. fol.	D	10	<i>Chamæpuce casabonæ</i> .—Handsome thistle-like foliage plants with dark green leaves, veined with white.
<i>Chrysanthemum, carinatum album</i>	hA	..	white.	F	5	<i>Chrysanthemum</i> .—Free blooming flowers lasting late in the season, long after many other flowers are faded.
“ idicum pompone, d'l fl'd	hhP	2	dbl. white.	“	10	
<i>Cineraria hybrida choice mixed</i>	gP	2	various.	“	25	<i>C. idicum pompone</i> is very double, pure white and a constant bloomer; excellent for cut flowers.
<i>Clarkia, best mixed</i>	hA	1½	mixed.	E	5	<i>Cineraria</i> .—Beautiful compact flowering plants of crimson, magenta and purple color.
<i>Clematis, fine mixed</i>	hP	10	“	C	10	
<i>Clianthus Dampieri</i>	A	2	sc. & blk.	A	25	<i>Clematis</i> .—Fine climbing vines.
<i>Cobæa scandens</i>	hhA	20	purple.	B	10	<i>Clianthus</i> .—Should be started early in order to prove most successful. Flowers dazzling scarlet and black
<i>Coccinia Indica</i>	hhP	6	red.	C	10	<i>Cobæa</i> .—To attain full growth should be started in pots. Very rapid climber.
<i>Cockscomb</i>	“	“	“	B	10	<i>Coccinia</i> .—Gourd family. Fruit scarlet.
<i>Coix lacryma</i>	hA	1½	“	A	5	<i>Cockscomb</i> .—See <i>Celosia</i> .
<i>Collinsia</i>	“	1½	mixed.	E	5	<i>Coix</i> .—Job's Tears.
<i>Columbine</i>	“	“	“	C	10	<i>Collinsia</i> .—Purple, blue and white flowers; very pretty.
<i>Convolvulus major</i>	hhA	10	finestmix'd	E	5	<i>Columbine</i> .—See <i>Aquilegia</i> .
“ tricolor minor	“	1	“	D	5	<i>Convolvulus Major</i> .—Morning Glory, tall; <i>C. Minor</i> , Morning Glory, dwarf.
“ Mauritanicus	hP	..	blue.	C	10	<i>C. Mauritanicus</i> for hanging baskets.
<i>Coreopsis</i>	“	“	“	E	10	<i>Coreopsis</i> .—See <i>Calliopsis</i> .
<i>Cosmanthus fimbriatus</i>	hA	1	lilac & w.	“	5	<i>Cosmanthus</i> .—Flowers fringed and pretty, plant spreading.
<i>Cosmidium Burridgeanum</i>	“	2	cr., br. & yel	“	5	<i>Cosmidium</i> .—Flowers large and showy, similar to <i>Coreopsis</i> .
<i>Cucumis</i>	hhA	6	fine mixed.	B	5	<i>Cucumis</i> .—Ornamental Cucumber. <i>C. flexuosus</i> .—Snake Cucumber, bearing fruit three feet long. <i>C. dipsaceus</i> .—Teasel-formed.
“ flexuosus.	“	“	“	“	“	
“ dipsaceus, teasel-formed	“	“	“	“	“	
<i>Cucurbita</i>	hhA	6	fine mixed.	E	10	<i>Cucurbita</i> .—Ornamental Gourd. <i>C. leucantha depressa</i> .—Green Fruit. <i>C. longissima</i> .—Curious fruit five feet long.
“ leucantha depressa	“	“	“	“	10	
“ longissima	“	“	“	“	10	
<i>Cyclamen persicum</i>	hhP	½	fine mixed.	B	50	<i>Cyclamen</i> .—Green house plants, very handsome bloomers.
<i>Cypress Vine</i>	“	“	“	“	“	<i>Cypress Vine</i> .—See <i>Ipomæa Quamoclit</i> .
<i>Dahlia, double</i>	hhP	“	finestmix'd	E	5	<i>Dahlia</i> .—Saved from the largest flowering and most double sorts.
“ single	hA	“	“	“	“	
<i>Daisy, double</i>	“	“	“	C	5	<i>Daisy</i> .—See <i>Bellis</i> .
<i>Datura fastuosa, finest double</i>	hA	3	mixed.	E	10	
<i>Delphinium (Larkspur)</i>	“	“	“	C	10	<i>Delphinium cashmerianum</i> .
“ double, dwarf rocket	hA	1½	“	“	5	
“ double branching	“	2	“	“	5	
“ Perennial sorts	hP	3-4	“	“	5	
“ nudicaule	“	1½	scarlet.	“	5	
“ elatum	“	5	mixed.	“	5	
“ formosum	“	2	blue&wht.	C	5	
<i>Devil-in-a-bush</i>	“	“	“	A	5	<i>D. Giant Hyacinth fl'd</i> .
<i>Diamond Plant</i>	“	“	“	B	5	<i>D. nudicaule</i> .—The finest perennial Larkspur, of dwarf compact growth, with abundant brilliant scarlet flowers.
<i>Dianthus, Pink</i>	“	“	“	“	“	<i>D. Delphinium</i> .—The seed of the perennial sorts should be sown in spring; the plants will then become strong by fall and flower the following summer.
“ barbatus, single	hP	1½	mixed.	C	5	<i>Devil-in-a-bush</i> .—See <i>Nigella hispanica</i> .
“ double	“	1½	white.	“	10	<i>Diamond Plant</i> .—See <i>Mesembryanthemum</i> .
“ Caryophyllus (Carnation)	hhP	2	finestmix'd	F	25	<i>Dianthus barbatus</i> .—Sweet William, will bloom the first year if sown early. <i>D. Chinensis</i> , Chinese Pink.
“ Clove Pink	“	2	mixed.	“	25	<i>D. carnation grenadin</i> .—“For Florists' purposes and sale plant this fine and floriferous carnation is invaluable.”
“ picotee	“	2	finestmix'd	“	25	“It blooms three weeks earlier than any other variety, and furnishes a profusion
“ perpetual or tree	“	2	“	“	25	
“ grenadin	“	2	bril. scar.	“	15	

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Our Flower Seeds are Choice Imported Stock.

NAME.	Hardness	and Duration.	Height.	Color of Flower.	Culture.	Per Pkt.	GENERAL OBSERVATIONS.
Dianthus, chinensis fl. pl.	hA	1	1	mixed.	D	5	of charming double flowers of brilliant scarlet. Being of dwarf and compact habit it is excellent for borders or masses.
“ Imperial	“	1	1	“	“	10	“
“ Heddewigi, double.	“	1	1	finestmix'd	“	10	“
“ laciniatus	“	1	1	“	“	10	“
Digitalis, Foxglove, lutea	hP	3	3	mixed.	C	5	Digitalis, Foxglove.—Stately and ornamental growing plants; succeeding well in half shady places.
Dolichos Lablab	“	“	“	mixed.	A	5	Dolichos.—Pard climbing plant, with large clusters of handsome flowers, producing, later in the season, in place of the flowers, pods of a deep purple color; very ornamental.
“ Hyacinth Bean	hA	10	10	“	“	5	“
Elichrysum monstrosum	hhA	2	2	mixed.	B	5	Elichrysum.—Everlasting or Eternal Flowers. Should be cut before the flowers are fully expanded and dried in the shade, if desired to be saved for winter bouquets.
Eragrostis elegans	“	2	2	“	B	5	Eragrostis.—Love Grass, for dried bouquets.
Erysimum Arkansanum	hA	1	1	yellow.	A	5	Erysimum.—Showy annuals for borders or masses.
“ Peroffskianum	“	1 1/2	1 1/2	orange.	“	5	“
Erianthus Ravennæ	hP	10	10	“	C	10	Erianthus.—A superb grass, resembling Pampas grass.
Eschscholtzia californica	hA	1	1	yellow.	E	5	Eschscholtzia.—California Poppy.
Eucharidium grandiflorum	“	1	1	mixed.	“	5	Eucharidium.—Pretty flowering annuals similar to Clarkia.
“	“	2	2	white.	“	5	“
Euphorbia variegata	“	2	2	“	E	5	Euphorbia.—Variegated foliage.
Fenzlia dianthiflora	“	1/4	1/4	rosy lilac.	“	10	Fenzlia.—Splendid dwarf growing plant, suitable for small vases or pots, rustic work or windows. Remains in bloom a long time.
Feverfew	“	“	“	“	E	5	Feverfew.—See Matricaria.
Forget-me-not	“	“	“	“	D	5	Forget-me-not.—See Myosotis.
Four o'clock	“	“	“	“	A	5	Four o'clock.—See Mirabilis.
Foxglove	“	“	“	“	C	5	Foxglove.—See Digitalis.
Gaillardia picta	hhA	1 1/2	1 1/2	yellow.	A	5	Gaillardia.—Very showy flowering plants, adapted for bedding, also charming for pot plants.
“	“	1 1/2	1 1/2	mixed.	“	5	“
Gilia	hA	1	1	finestmix'd	A	5	Gilia.—See Ten Weeks Stock.
Gilly Flower	“	“	“	“	B	5	Gilly Flower.—See Ten Weeks Stock.
Globe Amaranthus	“	“	“	“	“	5	Globe Amaranthus.—See Gomphrena.
Gloxinia French hybrida, saved from choicest flowers.	“	1	1	mixed.	F	50	Gloxinia.—Stove house plants of great beauty.
Godetia rubicunda	hA	1 1/2	1 1/2	rose.	A	5	Godetia.—Excellent free blooming plants, very desirable for beds, borders and ribbons.
“ finest mixed.	“	1 1/2	1 1/2	mixed.	“	5	“
Golden Eternal Flower	“	“	“	“	A	“	Golden Eternal Flower.—See Elichrysum.
Gomphrena globosa	“	“	“	“	D	“	Gomphrena.—Very handsome everlasting flowers. Should be cut when fully grown and hung up to dry in a dark dry place. Extensively used in Christmas Evergreen Wreaths.
“ “ mixed	hhA	2	2	mixed.	“	5	“
Golden Feather	“	“	“	“	A	“	Golden Feather.—See Pyrethrum.
Gourds	hhA	15	15	mixed.	E	5	Gourds.—Ornamental climbing plants, producing fruit of the most singular forms and colors; very desirable for trellises, screens or arbors.
Gynerium argenteum	hhP	12	12	silver.	F	5	Gynerium.—Pampas Grass.
Gypsophila elegans	hA	1 1/2	1 1/2	white.	E	5	Gypsophila.—Fine airy flowers, suitable for bouquets; very nice for growing in masses.
Heartsease	“	“	“	“	B	“	Heartsease.—See Viola tricolor maxima.
Helianthus macrophyllus giganteus.	hA	10	10	yellow.	E	5	Helianthus.—Sunflower. Tall growing plants with immense yellow flowers.
“ californicus double	“	6	6	orange.	“	5	“
“ globosus fistulosus, fl. pl.	“	4	4	saf. color.	“	5	Helianthus globosus fistulosus fl. pl. —Flowers very large and double.
“ nanus plena	“	2	2	dbl. yellow.	“	5	“
Heliotropium, dark varieties	hhP	2	2	mixed.	F	10	Heliotropium.—Heliotrope.
Hibiscus africanus	hA	1 1/2	1 1/2	sul.&black.	“	5	Hibiscus.—Commonly named African Rose.
Hollyhock, best double	hP	6	6	mixed.	“	10	Hollyhock.—Saved from the best double sorts of the finest strains.
“ Chater's d'ble extra fine.	“	6	6	“	“	10	“
Honesty	“	“	“	“	“	“	Honesty.—See Lunaria.
Hyacinth Bean	“	“	“	“	“	5	Hyacinth Bean.—See Dolichos.
Iberis (Candytuft)	hA	1	1	mixed.	“	5	Iberis.—One of the best of annuals; excellent for growing in masses, edgings, borders, rockeries and rustic work.
“ coronaria white rocket.	“	1	1	white.	“	5	“
“ umbellata	“	1	1	“	“	5	“
“ purpurea (Dunnett's)	“	1	1	dark crim.	“	5	I. sempervirens, or perennial Candytuft.

Hardware is Necessary in all Families--Buy of Us

Beautify your Lawn by Using Our Seeds and Fertilizers.

NAME.	Hardiness and Duration.	Height. Feet.	Color of Flower.	Per Pkt.	GENERAL OBSERVATIONS.
<i>Iberis lilacina</i>	hA	1	deep pur.	5	is perfectly hardy, flowering very early in the spring.
<i>sempervirens</i>	hP	1	white.	5	
<i>pectinata odorata</i>	hA	1	"	5	
Ice Plant					Ice Plant. —See <i>Mesembryanthemum</i> .
Indian Shot					Indian Shot. —See <i>Canna</i> .
<i>Ipomœa bona nox</i>	hhA	10	white.	5	<i>Ipomœa bona nox.</i> —Evening Glory. <i>I. coccinea.</i> —Star <i>Ipomœa</i> . <i>I. grandiflora.</i> —Variegated Morning Glory. <i>I. quamoclit.</i> —Cypress Vine. An elegant and exceedingly graceful, fine foliaged climber, with star-like blossoms of various colors. The seed should be sown the last of May in a warm, sunny location.
<i>coccinea</i>	"	10	scarlet.	5	
<i>marmorata grandiflora</i>	"	10	variegated.	5	
<i>quamoclit (Cypress Vine)</i>	"	10	mixed.	5	
Jacobæa					Jacobæa. —See <i>Senecio</i> .
Job's Tears					Job's Tears. —See <i>Coix lacryma</i> .
Lady's Slipper					Lady's Slipper. —See <i>Calceolaria</i> and <i>Balsam</i> .
<i>Lantana, hybrida finest</i>	hhP	2	mixed.	10	Larkspur. —See <i>Delphinium</i> . Lathyrus. —Sweet Pea. Fragrant and profuse flowering climbing plants continuing in blossom throughout the season. The seed should be sown as early as the ground can be worked in the spring, to enable the vines to get a good strong growth before the warm weather comes. Sow the seed in rows and support the vines with brush, or with strong twine fastened to stakes set among the plants. Our seed is saved only from the very finest sorts cultivated, and are true to name.
Larkspur					
<i>Lathyrus odoratus (Sweet Pea)</i>	hA	5	mixed.	5	
<i>Painted Lady</i>	hP	5	rose & wh.	5	
<i>Everlasting Pea</i>	hP	5	5	5	
<i>white</i>	hP	5	5	5	
Lavender					Lavender. —See <i>Lavendula</i> .
Lavendula	hP	2	violet.	5	Lavendula. —Well-known old-fashioned flower, highly prized for its peculiar odor.
<i>Leptosiphon hybridus, French</i>	hA	¼	various.	10	Leptosiphon. —Very pretty for ribbon beds and borders; colors blue, white, lilac, sulphur, purple and orange.
<i>Linaria cymbalaria</i>	hP	1	lavender.	10	Linaria. —Kenilworth or Coliseum Ivy.
<i>Finest mixed</i>	hA	1	mixed.	5	
<i>Linum grandiflorum rubrum</i>	hP	1	splen. scar.	5	Linum. —Scarlet Flax.
<i>Loasa hispida</i>	hA	1	golden yel.	5	Loasa. —Climbers, with curious flowers.
<i>tricolor</i>	hA	1	yel. shaded	5	
<i>Lobelia cardinalis Queen Victoria</i>	hP	2	scarlet.	10	Lobelia cardinalis. —Cardinal Flower. With darkest leaves, very beautiful. <i>L. speciosa.</i> —One of the most effective varieties for bedding. <i>L. erecta.</i> —Excellent for edgings and ribbon, or carpet-bedding; very fine and compact.
<i>erinus gracilis</i>	hA	½	dark blue.	5	
<i>speciosa Crystal Palace</i>	hA	½	"	10	
<i>erecta</i>	"	½	"	10	
<i>Lophospermum scandens</i>	hhA	10	mixed.	15	Lophospermum. —Beautiful climbing plant, with very large trumpet-shaped flowers.
Love-in-a-mist					Love-in-a-mist. —See <i>Nigella hispanica</i> .
Love-in-a-puff					Love-in-a-puff. —See <i>Balloon Vine</i> .
Love-lies-bleeding					Love-lies-bleeding. —See <i>Amaranthus caudatus</i> .
<i>Lunaria annua</i>	hB	2	purple.	5	Lunaria. —Honesty.
<i>Lupinus finest annual sorts mixed</i>	hA	2	mixed.	5	Lupinus. —Lupine. Splendid plants, with long spikes of rose, white, lilac, red, yellow and blue flowers.
<i>Lychnis Haageana Fine Hybrid</i>	hP	1	scarlet.	5	Lychnis. —Ragged Robbin.
Maize Japanese	hA	4	striped leaf	5	Maize. —Striped Japanese Corn. Very ornamental.
<i>Malope grandiflora</i>	hA	1½	mixed.	5	
Marigolds					Marigolds. —See <i>Tagetes</i> .
<i>Martynia fragrans</i>	hhA	1½	crimson.	5	Marvel of Peru. —See <i>Mirabilis</i> .
<i>Marvel of Peru</i>	hhP	1	white.	5	
<i>Matricaria capensis fl. pl.</i>	hhP	1	white.	5	Matricaria. —Feverfew; dwarf and very double. <i>M. par.</i> —See <i>pyrethrum</i> .
<i>Maurandia Barclayana</i>	hhP	10	mixed.	10	Mesembryanthemum. —Ice Plant. Diamond Plant.
<i>finest colors</i>	hhP	10	mixed.	10	
<i>Mesembryanthemum crystallinum</i>	hA	½	white.	5	Mesembryanthemum. —See <i>Reseda</i> .
Mignonette					Mignonette. —See <i>Reseda</i> .
<i>Mimosa pudica</i>	hhA	2	pink. wht.	5	Mimosa. —Sensitive Plant.
<i>Mimulus cardinalis</i>	hhP	1	scarlet.	5	Mimulus cardinalis. —Monkey Flower; will bloom the first season from seed.
<i>tigrinus</i>	hA	1	spotted.	10	

NAME.	Hardness and Duration.	Height. Feet.	Color of Flower.	Per Pkt.	GENERAL OBSERVATIONS.
Sunflower.....	.....	.....	.....	.....	Sunflower.—See Helianthus.
Swan River Daisy.....	.....	.....	.....	.....	Swan River Daisy.—See Brachycoma.
Sweet Alyssum.....	.....	.....	.....	.....	Sweet Alyssum.—See Alyssum.
Sweet Pea.....	.....	.....	.....	.....	Sweet Pea.—See Lathyrus.
Sweet Rocket.....	.....	.....	.....	.....	Sweet Rocket.—See Hesperis.
Sweet Sultan.....	.....	.....	.....	.....	Sweet Sultan.—See Centaurea.
Sweet William.....	.....	.....	.....	.....	Sweet William.—See Dianthus.
Tagetes double African.....	hhA	2	mixed.	5	Tagetes.—Marigold; good old-fashioned flowers, very popular.
“ “ French.....	“	1½	“	5	
“ “ signita pumila.....	“	1	br. & yel.	5	
Tassel Flower.....	.....	.....	.....	.....	Tassel Flower.—See Calacia.
Thunbergia, finest.....	hA	6	mixed.	5	Thunbergia.—Rapid, free-blooming climbers, flowers buff, orange and white.
Trifolium suaveolens.....	“	2	.....	5	Trifolium.—Sweet scented clover.
Trichosanthes coccinea.....	hhA	4	mixed.	10	Trichosanthes.—Small oval green and white marbled gourds, changing to scarlet, beautiful.
Tritoma uvaria.....	hP	4	orange red	10	Tritoma.—Red-hot-poker plant.
Tropæolum canariense.....	hhA	10	yellow.	10	Tropæolum Canariense.—Canary-bird flower; a great favorite, with pretty dark scar.
“ Lobianum Brilliant.....	“	6	blood red.	10	“ yellow flowers, resembling a bird with wings spread; very graceful climber.
“ “ Crown Prince of Prussia.....	“	6	carmine.	10	T. Lobb. are very ornamental climbers, useful alike in the greenhouse, parlor or garden; constant bloomers.
“ “ Giant des Batailles.....	“	6	crimson.	10	T. Majus is the tall growing Nasturtium; very serviceable for garden culture, as they withstand almost the most excessive drought; very free flowering, and vigorous growing climbers.
“ “ Lilli Smith.....	“	6	ver. striped	10	T. Tom Thumb, are suitable to be grown in clumps, masses, or alone, and will produce the most pleasing effect. The kinds catalogued are those of most recent introduction, and form an assortment of unequalled excellence. Great pains have been taken to have all our varieties true to name, and we recommend them very highly.
“ “ Napoleon III.....	“	6	cri. dk. fol.	10	
“ “ Lucifer (very rare).....	“	6	almost blk.	10	
“ “ Roi des Noirs.....	“	6	bright scar.	10	
“ “ Spitfire.....	“	6	mix. colors.	5	
“ “ finest varieties.....	“	6	black bro'n	10	
“ majus atropurpureum.....	“	6	scarlet.	10	
“ “ coccineum.....	“	6	yellow.	5	
“ “ luteum.....	“	6	pur. violet.	10	
“ “ regelianum.....	“	6	d. rose.	10	
“ cœruleo roseum.....	“	6	mixed.	5	
“ majus, finest varieties.....	hhA	6	scarlet.	10	
Tom Thumb, Carter's scarlet.....	hA	1	sul. col. spt.	10	
“ “ Crystal Palace Gem.....	“	1	dp. scarlet.	10	
“ “ King of Tom Thumbs.....	“	1	very dark	10	
“ “ King Theodore.....	“	1	nearly wht.	10	
“ “ Pearl.....	“	1	carmine.	10	
“ “ Ruby King (new).....	“	1	bright yel.	10	
“ “ luteum.....	“	1	mar. tint.	10	
“ “ cœruleo roseum.....	“	1	.....	10	
Venus' Looking Glass.....	.....	.....	.....	.....	Venus' Looking Glass.—See Campanula speculum.
Verbena hybrida, choice named col's.....	hhP	..	mixed.	15	Verbena Candidissima, New.—With immense trusses of flowers of the purest white; best for sale plants. V. Striata.—Italian carnation-like striped, very choice.
Veronica syriaca.....	hhA	½	blue & wht.	5	Veronica.—Highly esteemed for edgings, rockeries, or pot plants.
“ “ fl. albo.....	“	½	white.	5	
Vinca rosea.....	g sh.	2	rose.	10	Vinca.—If sown early, in the house, will blossom same season; very bright shining green foliage, flowers are delightfully pleasing.
“ alba.....	g sh.	2	white.	10	
Viola tricolor maxima, Pansy, finest.....	hP	½	mixed.	5	Viola, Pansy.—Start early in March, in the house, if no greenhouse is convenient, a sunny window will answer. Sow lightly in fine loam, in a box or flower-pot, and transplant when well up. Transplant several times before finally transplanting out doors. Pinch off the first buds as soon as they appear, and from early fall until the ground freezes you will have the largest pansies possible to grow.
“ “ very large flow'g.....	“	½	.....	5	
“ “ candidissima.....	“	.....	.....	5	
“ “ Snow Queen.....	“	.....	white.	5	
“ Emperor William.....	“	½	deep blue.	10	
“ Faust, or King of the Blacks.....	“	½	coal black.	10	
“ Odier, or five blotched.....	“	½	various.	10	
“ Gold-margined.....	“	½	mer. with y	10	
“ Violet color margined.....	“	½	mar with w	15	
“ White Treasure.....	“	½	pure white.	15	
“ Yellow.....	“	½	pure yel.	15	
“ good quality.....	“	½	mixed.	15	
“ odorata, The Czar (Violet).....	“	¾	blue.	5	
Viscaria hybrida splendens.....	hA	1-2	mixed.	25	Viscaria.—Flowers maroon, pink, carmine and rose.
Waitzia grandiflora.....	hA	1	yellow.	5	Waitzia.—Everlasting flowers; very desirable for winter bouquets.
Wall Flower.....	hhP	1½	mixed.	10	Wallflower.—Cheiranthus.
Whitlavia grandiflora alba.....	hA	1½	white.	5	
“ “.....	“	1½	purple.	5	
Wigandia caracasana.....	hhS	8	or leaf.	10	Wigandia.—Elegant, stately, ornamental plants.
“ vigeri.....	“	8	“	10	

SHEARS, SCISSORS AND FINE CUTLERY.

we Carry a Fine Stock of Hardware, Glass and Putty.

Use our Special Lawn Dressing and Avoid Foul Weeds.

NAME.	Hardiness and Duration.	Height. Feet.	Color of Flower.	Per Pkt.	GENERAL OBSERVATIONS.
Xeranthemum.....	hA	2	mixed.	10	Xeranthemum — Everlasting flowers, useful for summer or winter bouquets.
Zea Japonica.....	"	6	strip'd leaf.	5	Zea Japonica—See Maize.
Zinnia elegans fl. pl.....	Ahh	2	mixed.	5	Double Zinnia — Of-re-a beauty and very desirable for grouping or mixed borders; flowers of carmine, white, crimson, orange and purple flowers.

ORNAMENTAL GRASSES.

All of these varieties are exceedingly graceful, and very useful in making winter bouquets and various designs for winter decorations. Should be cut before they are entirely matured and hung up in bunches until perfectly dry.

NAME.	Hardiness and Duration.	Height. Feet.	Color of Flower.	Per Pkt.	GENERAL OBSERVATIONS.
Agrostis nebulosa.....	hA	1	.....	5	Avena—Animated Oats.
Avena sterilis.....	"	2	.....	5	Briza—Quaking Grass.
Briza compacta.....	"	1	.....	5	Coix lacrymus—Job's Tears.
" maxima.....	"	1	.....	5	Eragrostis—Love Grass.
Bromus brizaeformis.....	"	1	.....	5	Erianthus—Beautiful and very showy.
Coix lachryma.....	"	1½	.....	5	Gynerium—Pampas Grass.
Eragrostis elegans.....	"	1	.....	5	Stipa—Feather Grass.
Erianthus Ravennae.....	hP	10	.....	10	Zea—Japanese Maize (striped leaves).
Gymnothrix latifolia.....	hhP	8	.....	5	
Gynerium argenteum.....	"	8	.....	5	
Stipa pennata.....	hA	1½	.....	5	
Zea Japonica.....	"	6	.....	5	

CLIMBING VINES, ORNAMENTAL GOURDS, &c.

NAME.	Hardiness and Duration.	Height. Feet.	Color of Flower.	Per Pkt.	GENERAL OBSERVATIONS.
Abobra viridiflora.....	hhP	6	green.	5	Abobra — Ornamental Gourd, with elegant foliage and scarlet fruit.
Adlumia cirrhosa.....	hB	15	pink.	10	Adlumia—Mountain Fringe.
Aristolochia siph.....	"	20	yel. & bro.	10	Aristolochia—Dutchman's Pipe.
Beans.....	hA	15	various.	5	Beans—Scarlet and White Runners.
Bryonopsis erythrocarpa.....	hhA	5	red.	10	Bryonopsis — Ornamental Gourd, striped, beautiful.
Balloon Vine.....	"	5	.....	10	Balloon Vine.
Calampelis scabra.....	"	8	orange.	10	Calampelis—Excellent for trellises.
Canary-bird-flower.....	"	10	yellow.	5	Canary-bird-flower — See Tropæolum canariense.
Cardiospermum halicacabum.....	"	10	white.	10	Cardiospermum—Balloon Vine.
Clematis.....	hP	10	mixed.	10	Coccinea—Ornamental Gourd with scarlet fruit.
Cobaea scandens.....	hhA	20	purple.	10	Convolvulus—Morning Glory.
Coccinea indica.....	hhP	6	red.	10	Cucumis—Ornamental Cucumber.
Convolvulus major.....	hhA	10	mixed.	5	Cucurbita — Ornamental Gourds, very desirable for screens.
" mauritanicus.....	hP	trail	blue.	15	
Cucumis.....	hhA	10	mixed.	10	
Cucurbita.....	"	10	.....	5	
" Hercules' Club.....	hhA	16	yellow.	5	
" Mock Orange.....	"	16	"	5	
" Powder Horn.....	"	16	"	5	
" Smallest Lemon.....	"	6	"	5	
" Gooseberry.....	"	6	"	5	
" Pear-shaped.....	"	6	"	5	
Cypress Vine.....	"	10	.....	5	Cypress Vine—Ipomea quamoclit.
Dolichos lablab, Hyacinth Bean.....	hA	10	purple.	5	
" ".....	"	10	white.	5	
Ipomea bona nox.....	hhA	10	.....	5	Ipomea bona nox—Evening Glory. I.
" coccinea.....	"	10	scarlet.	5	coccinea—Star Ipomea. I. marmo.
" marmorata grandiflora.....	"	10	variegated.	5	grand—Variegated Morning Glory.
" quamoclit Cypress Vine.....	"	10	mixed.	5	I. quamoclit—Cypress Vine.

HARDWARE, TOOLS AND IMPLEMENTS.

See Our Pages of Small Tools, 17 and 18.

NAME	Hardness and Duration.	Height. Feet.	Color of Flower.	Per Pkt.	GENERAL OBSERVATIONS.
<i>Ipomæa quamoclit</i>	hhA	10	scarlet.	5	
“ “.....	“	10	white.	5	
“ “.....	“	10	rose.	5	
<i>Maurandia barclayana</i>	hhP	10	blue & wht.	10	
“ finest colors.....	“	10	mixed.	10	
<i>Momordica balsamina</i>	hhA	10	yellow.	5	
<i>Nasturtium</i> Tall, finest colors.....	“	6	mixed.	10	<i>Nasturtium</i> — <i>Tropæolum majus</i> .
“ “.....	“	6	scarlet.	10	
“ “.....	“	6	rose tinted.	10	
“ “.....	“	6	violet.	10	
“ “.....	“	6	yellow.	5	
<i>Peas, Sweet, finest colors</i>	hA	9	mixed.	5	<i>Peas, Sweet</i> —See <i>Lathyrus odoratus</i> .
“ Capt. Clarke.....	“	9	tricolor.	5	
“ Crown Princess of Prussia.....	“	9	blush.	5	
“ Invincible.....	“	9	scarlet.	5	
“ Red.....	“	9	dark.	5	
“ White Striped.....	“	9	purple.	5	
“ “.....	“	9	red.	5	
“ Light Blue.....	“	9	purple.	5	
“ Pure White.....	“	9	.....	5	
<i>Thunbergia</i>	hA	6	mixed.	5	

EVERLASTING FLOWERS.

The same remarks previously written in regard to Ornamental Grasses are applicable to Everlasting Flowers.

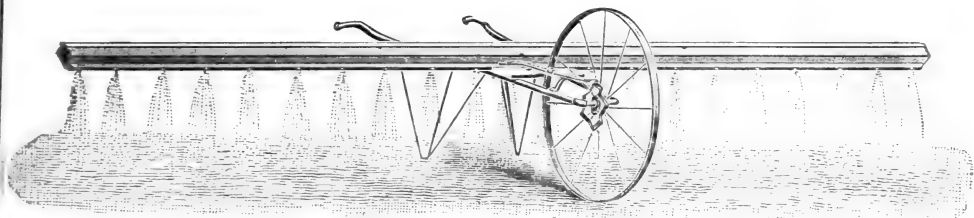
NAME	Hardness and Duration.	Height. Feet.	Color of Flower.	Per Pkt.	GENERAL OBSERVATIONS.
<i>Acrolinium roseum</i>	hhA	1	rose.	5	
“ album.....	“	“	white.	5	
<i>Ammobium alatum</i>	hA	2	“	5	
<i>Gomphrena globosa</i>	hhA	2	red.	5	<i>Gomphrena</i> — <i>Globe Amaranthus</i> .
“ “.....	“	2	white.	5	
“ “.....	“	2	striped.	5	
“ “.....	“	2	mixed.	5	
<i>Helichrysum monstrosum</i>	hA	2	white.	5	<i>Helichrysum</i> — <i>Elichrysum</i> , or <i>Eternal Flower</i> .
“ “.....	“	2	yellow.	5	
“ “.....	“	2	rose.	5	
<i>Rodanthe maculata</i>	hhA	1	“	10	
“ “ alba.....	“	½	white.	10	
<i>Xeranthemum</i>	hA	2	mixed.	5	

List of Flower Seeds Suitable for Hanging-Baskets, Vases, and Window Boxes.

NAME	Color of Flower.	Per Pkt.	NAME	Color of Flower.	Per Pkt.
<i>Ageratum Mexicanum</i>	blue.	5	<i>Mesembryanthemum</i> , Ice Plant.....	mixed.	5
<i>Alyssum, Sweet</i>	white.	5	<i>Mimulus, moschatus</i> , Musk Plant.....	yellow.	10
<i>Anagallis</i>	mixed.	5	<i>Nasturtium, dwarf</i>	mixed.	10
<i>Calandrina umbellata</i>	crimson.	10	“ <i>T. lobbianum</i>	“	10
<i>Centaurea gymnocarpa</i>	silver leaf.	15	<i>Nemophila insignis</i>	“	5
“ <i>candidissima</i>	“	15	“ <i>maculata</i>	“	5
<i>Clintonia elegans</i>	blue.	10	<i>Nolana atriplicifolia</i>	“	5
<i>Convolvulus mauritanicus</i>	lavender.	15	<i>Petunia</i> single.....	“	10
<i>Eucharidium grandiflorum</i>	crimson.	5	“ double or fringed.....	“	50
<i>Fenzlia dianthiflora</i>	rosy lilac.	25	<i>Portulaca</i> double.....	“	15
<i>Gilia tricolor</i>	mixed.	5	<i>Sanvitalia procumbens</i>	yellow.	10
<i>Iberis amara</i> (Candytuft).....	white.	5	<i>Saponaria</i>	mixed.	10
<i>Linaria</i> (<i>Coliseum Ivy</i>).....	mixed.	5	<i>Sedum coeruleum</i>	“	10
<i>Lobelia erinus</i>	blue.	10	<i>Stocks, large flowering</i>	mixed.	10
“ <i>gracilis</i>	“	10			

Use Our Plant Food for Flowers, and Sheep Fertilizer for Lawns. For Small Tools, &c., see pages 17 to 29.

WHEELBARROW SEEDERS.



WITH RUBBER, WIRE OR TWINE DISTRIBUTORS.
WITH WOODEN OR IRON FRAME.

THEY CAN BE WORKED BY ANYONE WHO CAN RUN A WHEELBARROW.
PRICE, \$6.50 TO \$8.00 EACH.

THE LITTLE GIANT SEED SOWER.

This is the cheapest Crank Seeder on the market, and equal to the best for quality of work it does and durability. Don't pay \$5.00 for a seeder when you can get its equal for less money.

Will sow Wheat, Rye, Oats, Rice, Flax, Millet, Turnip Seed, Clover Seed, Grass Seed, including Light Grasses; in fact any kind of Seed broadcast. Also Plaster, Fertilizer, Salt, Ashes, etc.

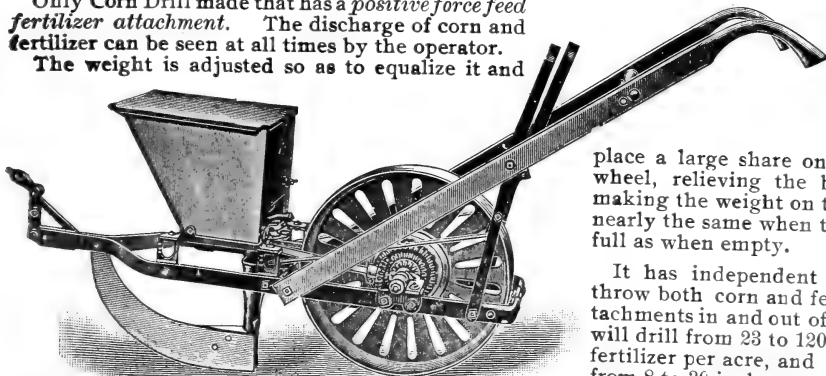
They save one-third seed and two-thirds labor.

CRANK SEEDERS,	- - - -	\$2.00
FIDDLE SEEDERS,	- - - -	1.50



EMPIRE COMBINED CORN DRILL, \$15

Only Corn Drill made that has a *positive force feed fertilizer attachment*. The discharge of corn and fertilizer can be seen at all times by the operator. The weight is adjusted so as to equalize it and



place a large share on the front wheel, relieving the blades and making the weight on the blades nearly the same when the box is full as when empty.

It has independent levers to throw both corn and fertilizer attachments in and out of gear, and will drill from 23 to 120 quarts of fertilizer per acre, and drop corn from 8 to 30 inches apart.

Furnished with or without fertilizer attachment, and with wheel or blade covers, as desired.

It has a brush cut-off which guarantees no breaking of grain.

Two plates are furnished with this corn drill, one for large and one for small corn.

CATALOGUE FREE.



**PURE
GROUND
BONE,**

Per 100, \$2.00

" 50, 1.25

These fertilizers are free from fowl seeds and are natural grass producers.

SHEEP FERTILIZER, 50 LBS. \$1.50, 100 LBS. \$2.50.

ANALYSIS.

Ammonia, 4.48 per cent: Available Phosphoric Acid, 1.83 per cent: Actual Potash, 2.39 per cent

The best Fertilizer in the Market.

RICH IN PLANT FOOD.

MACHINE DRIED.

Cow Manure 1 year old for roses, shrubs, trees, garden, etc.

Per Load, \$2.00.; Half Load, \$1.50.

Fine Sod for Lawns. Prices on Application.

LAWN SEEDS.

The best Lawns of Syracuse show what we are doing to promote this good work in our midst. For years we have studied the nature of grasses, their adaptation to soils, height, color, etc., with this object in view. We use in our mixture only grasses that harmonize in color and size, using both early and late varieties, that our lawns may remain green and beautiful all through the season. We are sure there is no better mixture for lawns than ours. Our *Lawn Seed is Strictly Pure.* We examine every variety under a glass before we mix them, that our lawn seed may be free from fowl weeds. We use only fibrous rooted perennial grasses that will stand the drouth and close cutting without injury. We select grasses that harmonize in size and color in order to produce a fine velvety appearance and form a thick covering on the ground.

Per lb., 25c.; per 100 lbs., \$18.00

LAWN HOSE.

Garden Hose, all sizes and prices.

Nozzles,
Hose Menders,

Garden Reels, Lawn Mowers, Lawn Seed, Lawn Rollers, Lawn Rakes, Lawn Weeders, Lawn Sprinklers, Lawn Baskets.



GARDEN AND LAWN HOSE.

We carry a full line of 1/2 and 3/4 inch Hose of various grades from 8c to 20c per foot.

HOSE REELS at \$1.25.



**CLIMAX
HANDY WEEDER.
CUT UP! PULL UP!
PICK UP!**

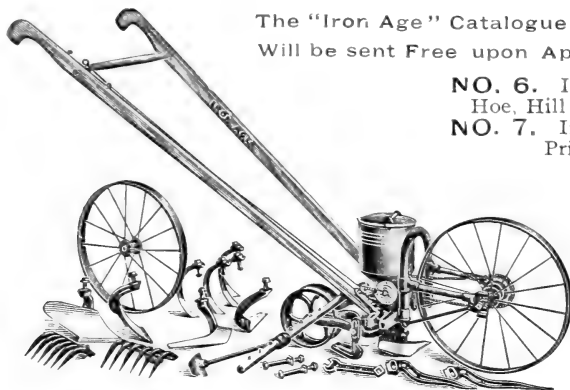
PRICE, - 75c.

WE SELL FERTILIZERS OF ALL KINDS.

THE IRON AGE

FARM AND GARDEN IMPLEMENTS.

The "Iron Age" Catalogue for 1903
Will be sent Free upon Application.



- NO. 6.** Iron Age Combination Double Wheel Hoe, Hill and Drill Seeder. Price \$11.00
NO. 7. Iron Age As a Seeder Only. Price - - \$8 00

This tool is without question the most practical and complete combined garden implement ever offered the public, the ease and simplicity of adjustment, the lightness combined with great strength, the accuracy by which it drills or hills the seed, and the small amount of power required to operate it, are the most important features.

The wheel is made of steel, 16 inches high; the frame of pipe, coupled to malleable castings. In each form, whether a Seed Drill, a Double Wheel Hoe or a Single Wheel Hoe, it is equal to any tool or tools made especially for one purpose.

It places the seed in hills or drills, it plows, it rakes, it opens furrows, it covers, it hills, it hoes, it cultivates.

NO. 1. Iron Age Double Wheel Hoe. Price, \$6 50

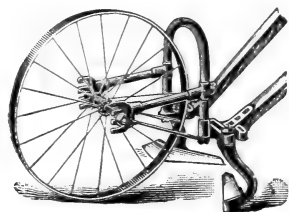
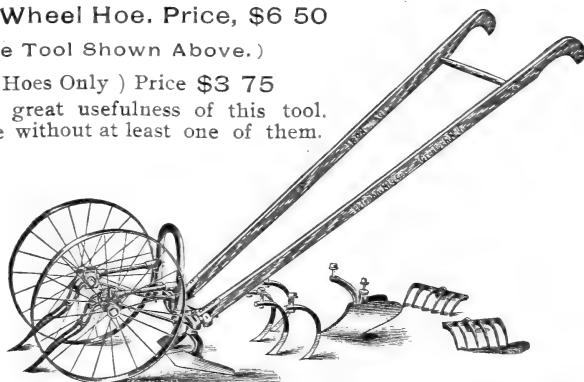
(The Drill Form of the Tool Shown Above.)

NO 3. Iron Age (Side Hoes Only) Price \$3 75

At a glance one can see the great usefulness of this tool. The garden or farm is incomplete without at least one of them.

In cultivating onions, beets, turnips, radishes, etc., it 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 which this Double Wheel Hoe possesses is that it can be made into a practical Single Wheel Hoe in a moments time.

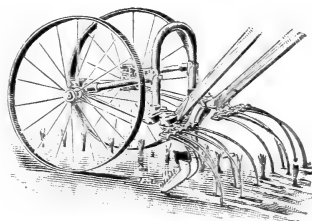
An axle is sent with every Double Hoe for this purpose. The wheels are 16 inches high, enabling the Wheel Hoe to run easy and without yielding to the inequalities of the soil, as a low wheel will do. The frame being made of tubing coupled to malleable castings gives great strength, together with lightness. All the tools shown in the cut go with the machine for the price, \$6.50



Showing the Double Wheel Hoe Set Up as a Single Wheel.

A Seed Drill attachment for sowing in rows only (No. 4) or for sowing both in rows and hills (No. 6,) \$3.50 and \$1.50 respectively.

When applied the tool is identical with that of the Iron Age No. 4 or 6. Combined tools, depending upon which seed attachment is applied.



The Weeder Attachment, Price, per. pair \$1.00

No. 15 Iron Age Combined Single Wheel Hoe, Hill and Drill Seeder. Price \$10.00

No. 16 (as a Seeder Only) \$7.50

In combining these tools not a single advantage of a separate Single Wheel, Hoe or Seed Drill is lost. As each they are in themselves complete. Changed from one form to another almost instantly, completely filling every desire both as to method of handling seed and soil.

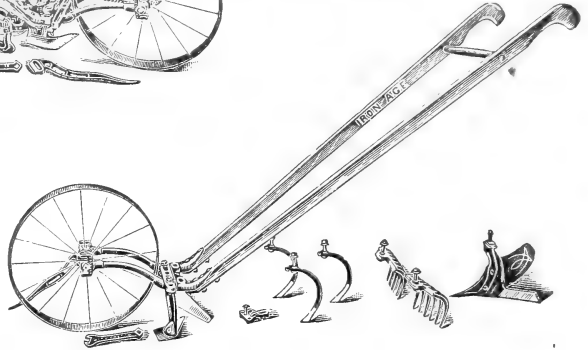


It places the seed in hills or drills, it plows, it rakes, it opens furrows, it covers, it hills, it hoes, it cultivates.

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. 20, Iron Age, the wheel hoe form of No. 15.....\$5.50

No. 21, With Side Hoe, only.....3.50



NO. 12 IRON AGE WHEEL PLOW AND CULTIVATOR, Price - - - - \$3.25

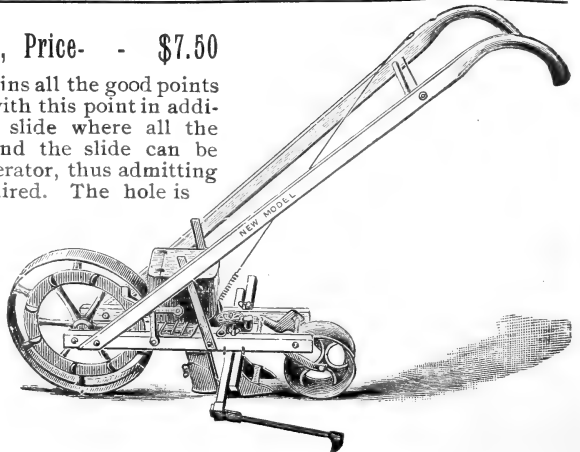
No. 11 (Same with Plow Only) \$2.25

In the accompanying cut we show a tool of exceeding lightness but of great strength, which is designed to do a greater variety of work than any other tool of the same price. It will accomplish all the work necessary in a small garden,—plowing, furrowing, covering, hoeing raking and cultivating. This tool is emphatically a friend of the laborer or mechanic who can afford only a small amount of money in a garden tool, and whose few moments in a garden must be devoted to "straight-ahead" work.



THE NEW MODEL SEED DRILL, Price - - \$7.50

The New Model Seed Drill contains all the good points of every old drill in the market, with this point in addition, the slide or hole through the slide where all the seeds have to pass, is adjustable, and the slide can be changed to a fraction by the operator, thus admitting exactly the quantity of seed required. The hole is diamond shaped, which is another advantage for rough or irregular shaped seed. **CUT-OFF**—The flow of seed can be instantly stopped by a swinging cut-off, conveniently operated by a cord and ring on handle. This cut-off prevents all loss of seed at an end of rows, and its swinging or gravity form will be found far preferable to one that slides under, as it cannot injure the falling seeds.



No. 22. "Iron Age" Combined Fertilizer Distributor, Hill and Drill Seeder, Price \$17.00

In these days of strong competition in the growing of crops, it becomes necessary for the market gardener to make a study of the most economical use of fertilizers, and to obtain this economy requires such a tool as in accompanying cut, which applies the fertilizer in connection with the seed, just where it will do its greatest good; or by the use of the same tool in its other form, as shown below by applying quick acting fertilizers to growing plants.

Although a tool designed to do so much, it is perfectly simple, light of draught, strong and perfect in quality of the work done by it. These plows are adjustable in depth and width, which allows the adjustment at 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 covers which draws 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.

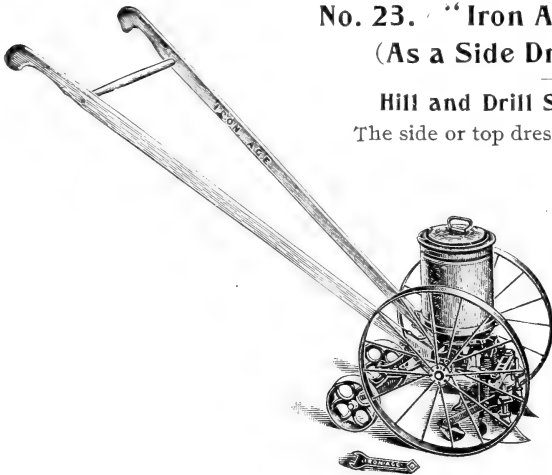
The Seed Sower Device is practically the same as used on Nos. 6 and 15 Combined Seed Drills. The seed may be sown in rows or dropped in hills at 4, 6, 8, 12 or 24 inches apart. For soft ground we can furnish a wide tire attachment.



No. 23. "Iron Age" Fertilizer Distributor (As a Side Dresser.) Price \$12.50.

Hill and Drill Seeder Attachment, \$4.50.

The side or top dressing of growing plants has become a practice of great importance. It is not merely a matter of the economical distribution of high priced fertilizers, but what is of more consequence, the placing of it just where the rootlets will quickly seize and absorb its chemical constituents.

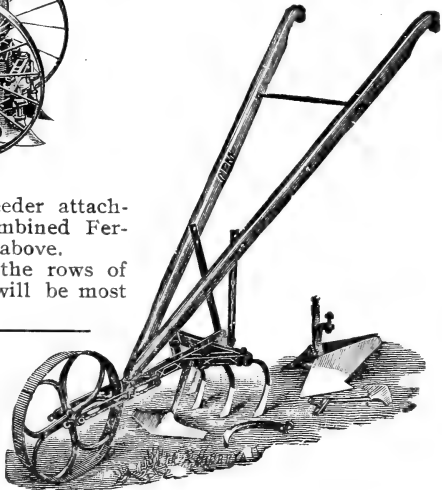


With the addition of the Hill and Drill Seeder attachment, this tool is identical with the No. 22 Combined Fertilizer Distributor Hill and Drill Seeder shown above.

This tool is operated by working astride the rows of growing plants, and the result accomplished will be most gratifying.

Gem Single Wheel Hoe, \$4.50.

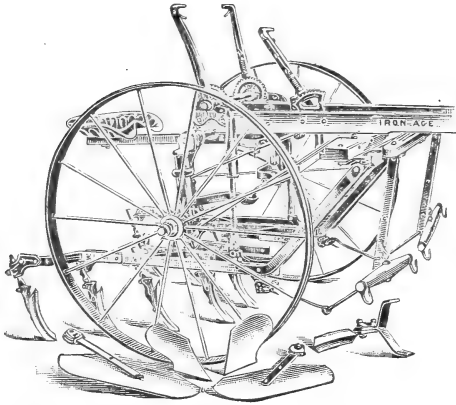
The popular GEM has been so largely used by the market gardeners that it needs no introduction. Being made mostly of steel and malleable iron it is strong, yet light in weight. Sure to please.



No. 60 "IRON AGE" PIVOT WHEEL RIDING CULTIVATOR.

PRICE, \$35 00.

Add for Plows 75c. Fallow Tooth \$1.15.



Ball Bearings—It has wonderful ease of guidance, the pivots being vertical near the wheels, and the ends resting upon hardened steel balls.

Spring Pressure Lock-Down—To prevent the gangs from rising and slipping over hard places, we furnish this Cultivator with a spring pressure lock-down, strong enough to hold it to its work in stiff ground, but weak enough to allow the gangs to rise before damage could occur to them or the standards.

The Lever Gang Adjuster gives the operator immediate control of the width of his gangs. With this adjuster the gangs are always at equal distance from the center. One important feature of our Adjuster is

that the gangs, and necessarily the teeth, are always kept parallel with each other, each tooth presenting its face squarely to the front at all times, and therefore will not throw soil toward the row when expanded, and from the row narrowed up, as is the case when the gangs are pivoted at the front. Especially is this Adjuster valuable where the distance must be changed frequently.

The **Gangs** are of such design as to give great strength—very rigid, so as to instantly follow the directions given by the wheels. For cultivating potatoes and all close grown crops the outside part of gang is removed, together with the standard and tooth.

The **Standards** are made of good steel and can be instantly adjusted in depth of angle of cut, or removed altogether by simply loosening one nut.

Points—The steel points sent out on the Cultivator are $2\frac{1}{2}$ inches in width and 10 inches long, while we have, also, of the same length, points $1\frac{1}{4}$ and $3\frac{1}{2}$ inches in width, meeting a call for those extremes.

The **Wheels** as shown in cut, have flanged tires to prevent slipping on hill sides. They are made of steel and while they may appear light, yet they are very strong and durable.

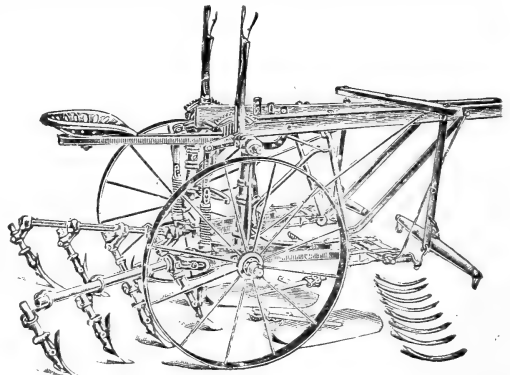
No. 70 "IRON AGE" Combined Pivot and Fixed Wheel Riding Cultivator. Price \$36.00

Although a combined tool when used in either form, a Pivot or Fixed Wheel Cultivator, it is a thorough success, containing advantages over many tools made expressly as a Fixed or Pivot Wheel tool. The wheels are made of steel, 30 inches high with a broad face tire, $2\frac{1}{2}$ inches wide. They are adjustable in width at any point between 42 inches at the widest and 32 inches at the narrowest. This adjustment allows for the entire cultivation of rows 54 inches apart, and as close as 28 inches or even narrower.

PIVOTED GANG BARS—The gang bars are hinged or pivoted and the cultivating width can be quickly changed by the simple loosening and tightening of two bolts. They are of round bars of steel, with a groove that engages a rib on the tooth holder, thus preventing all danger of turning on the bar, while the eye-bolt firmly clamps the tooth holder to the bar, with no danger of sliding. This combination also gives the facility of changing the position of the teeth on the bar or of increasing or reducing the number.

We call attention to our method of connecting the gangs in front—a connection of parallel links, giving an easy, swinging motion to the gangs, at the same time keeping them square to the front, instead of constantly changing the face of the teeth as occurs by the use of the ordinary single coupling. A **SPRING TOOTH ATTACHMENT** may be quickly and easily applied.

Price per set of 8 (including points)
\$7.00



The Improved Robbins Potato Planter.

PRICE.

With Fertilizer Distributor	\$75.00
Without " "	65.00
Pea and Corn Sower Attachment.....	5.00
Leveler Attachment .....	.95

A machine that is completely and thoroughly successful. Has none of the faults of other planters and does better work than planting by hand.

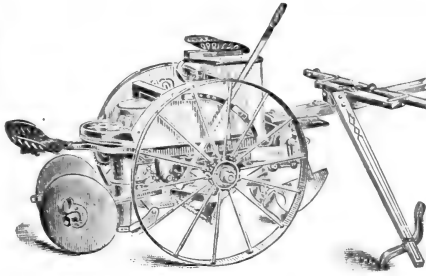
The opening plow is a double mold plow which throws out on each side a free furrow of loose soil with no packing or wedging to crowd the future growth of the crop.

The fertilizer distributor sows the fertilizer in a broad stream 6 to 8 inches wide, in any quantity desired and same is mixed thoroughly with the soil by the shoe preceeding the potato tube.

The seed is dropped at 12, 14, 15½, 17, 18½ or 20 inches apart. The change from one distance to another can easily be made by changing sprocket wheels. The covering is accomplished by means of a pair of discs which cover the seed with a full free covering.

The seed is neither punctured nor injured in any manner while being deposited in the furrow below, so one may rest assured the seed, after it is planted, is in as good condition as when first placed in the machine.

We refer you to these gentlemen who are using them : C. C. Wilcox, Oswego Falls, N. Y.; D. R. Overacre, Salina; Frank Horley, East Onondaga; T. A. Mitchell, Weedsport, N. Y.; Mr. Pendergast, Phoenix, N. Y.; Hubbs Bros., No. Manlius.

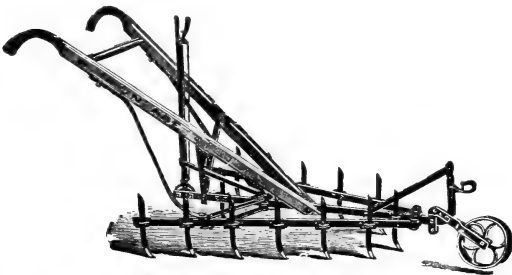


No. 1 Iron Age Combined Harrow and Cultivator.

Price	\$5 25
Without Wheel or Lever.....	4.00

An excellent tool for the cultivation of all small crops. Thoroughly pulverizes the soil without throwing but little dirt.

All believing in level culture should own one of these harrows.



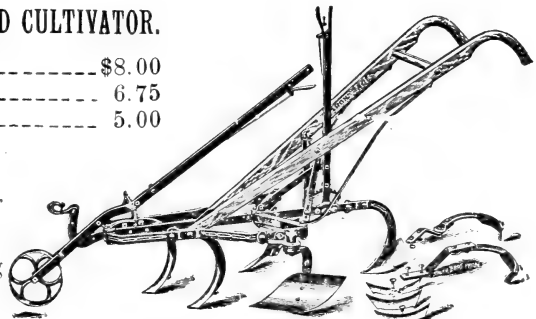
No. 6 "IRON AGE" HORSE HOE AND CULTIVATOR.

Price, Complete as in cut	\$8.00
Closing Attachment	6.75
Five-Tooth Steel Cultivator	5.00

Is truly a 20th Century Tool.

Its great adjustability adapts it for numberless uses and conditions.

In each form it is simple, strong and effective.



BUY YOUR HARDWARE AND WHIPS OF US.

WE SELL THE CELEBRATED BOWKER FERTILIZERS.

MASTICA, FOR GLAZING.

Greenhouses, Sashes, etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

Every florist has experienced difficulty in obtaining putty [whether ordinary or white lead] for glazing, that is satisfactory for any length of time. The fact is putty is not adapted for greenhouse work. "Mastica," when applied, in a few hours forms a skin or film on the entire mass, hermetically sealing the substance, and preventing the evaporation of the liquids, and remains in a soft, pliable and elastic condition for years. "Mastica" is of great value in going over old houses with a putty bulb or machine on the outside of sash, as it makes it perfectly tight and saves the expense of re-laying the glass.

The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense. With "Mastica" you can bed in or use outside with machine.

Broken glass can be easily removed and replaced by new without the breakage of other glass, which usually occurs with hard putty. One gallon will cover about 290 running feet [one side].

Prices of Mastica, soft for machine application, $\frac{1}{2}$ gal., 65c., gal., \$1.15. We are Sole Agents for Central New York.



Mastica
Glazing
Machine.

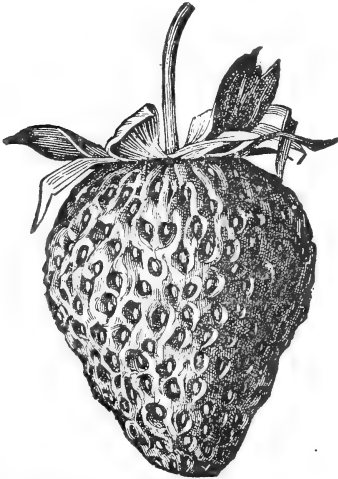
PRICE \$1.25

STRAWBERRY PLANTS.

We are pleased to announce that we can furnish choice, thrifty Strawberry and Raspberry Plants of all the leading varieties and recommend them to our customers.

Prices are reasonable.

Leave orders early.



BERRY BASKETS.

Under the new law all Berry Baskets must be made up to the standard size. We offer Berry Baskets of correct size and shape and well made. Prices right. Our Baskets fit the Crate perfectly. I can save you money on berry baskets if you will place orders early. Call and see us before purchasing.

ENSILAGE FORKS

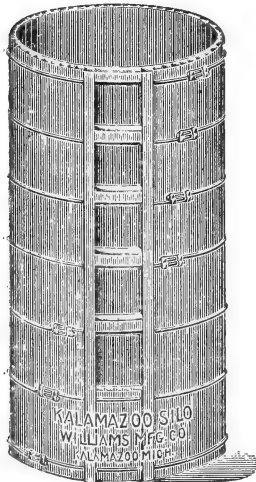
\$1.00.

This is the best and most popular fork ever put on the market and fills a long felt want for a light, strong fork to handle ensilage, fine maure, etc.

Price, \$1.00.

We also offer a fine Fork for handling Beets, Carrots, Corn in the Ear, Potatoes, etc., This is a light and exceedingly strong and well made Fork.

Price \$1.25.



Orders taken for this Silo.
Price and particulars
upon application. . . .



THE HIGH PRESSURE SPRAYER.

For Potato Bugs.

DIRECTIONS.—Fill one cylinder full of what is required. Close the faucet and filler hole tight. Work the pump $\frac{1}{4}$ to $\frac{1}{2}$ minute then turn the faucet and direct the spray where wanted.

This gives you 15 minutes' continuous work with a very fine or coarse spray, narrow or wide spread, as you wish; all controlled by turning the faucet.

Each cylinder will hold two gallons.

This will be the fastest seller yet offered



Knapsack Sprayers.

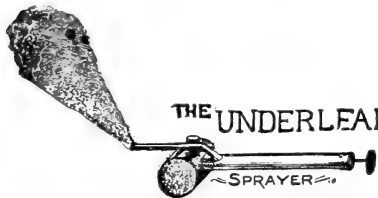
Price \$2.50 for spraying purposes.



Rapid Work in a Potato Field.
Price \$5.00

The Underleaf Sprayer.

This Improved Sprayer is adjusted so that the under side of foliage may be reached. An excellent



Price 50 cents.

ent sprayer for use in garden, greenhouse or for house-plants.

Reservoir holds one pint.

All tin except air and water pipes, which are brass.

The plunger should occasionally be softened with a little NEATS FOOT OIL, by putting a few drops in the hole near the handle.



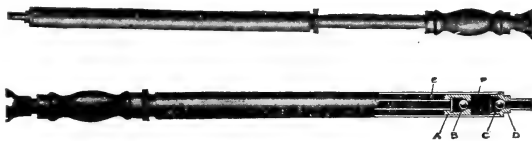
Falling Over Top of Tree in Spray.
Price \$5.00

SYRINGES—\$1.00, \$2.25, \$3.00, \$4.50



THE STANDARD SPRAY PUMP.

Made Entirely of Brass.



The Only Pump on the Market that is warranted to the purchaser, and for five years

As used with Bucket, Knapsack, Tank or Barrel for Spraying Orchards, Gardens, Vineyards, Whitewashing, Disinfecting Chicken House. Killing Vermin on Stock.

With two solid brass ball valves. No leathers, washers or suckers. No castings to rust. No leaking joints. Nothing to get out of order. Price, \$5.00.

The Electric or Lightning Insect Exterminator.

Price 75 cts.

Effectual, Cheap,

Simple, Practical.





We have sold SLUG SHOT for a great many years, and it is as popular and effective as ever.

SLUG SHOT—Is a light, composite, impalpably fine powder, easily distributed by Duster, Belows, or in water by spraying. It is thoroughly reliable in killing Currant Worms, Potato Bugs, Cabbage Worms, Lice, Slugs, Sow Bugs, etc., and is also strongly impregnated with fungicides.



SULPHO-TOBACCO SOAP—Quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For a cheap, effective, clean and harmless Insecticide, for Amateur and Professional Growers, this is unexcelled. It also acts as a valuable fertilizer reviving plant life. For domestic purposes it rids the house of cockroaches, and is a superior wash for dogs and all animals. Prevents poultry lice. You cannot afford to be without this popular and well known Insecticide, if you desire to be successful in plant culture. A trial will give highly gratifying results.

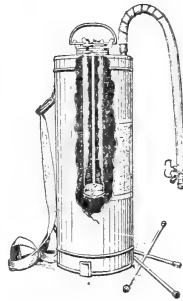
3-oz. Cake sufficient for 1½ gallons prepared solution, 10c; mailed postpaid 15c.
8-oz. Cake, sufficient for four gallons prepared solution, 25c; mailed postpaid 28c.

DISPARINE.

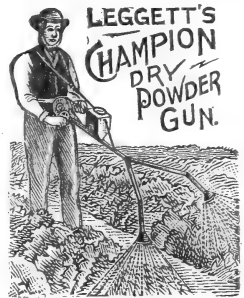
G. G. Hitchings of So. Onondaga, says: I consider DISPARINE superior to Paris Green for spraying fruit trees. It adheres longer to the foliage and remains in suspension longer than Paris Green. It does not injure the foliage. Consequently the trees require less spraying as the rains do not wash it off so readily. I consider it one of the best sprayers known at this time. I shall use it entirely another season.

2 lb. Can	\$ 50
5 lb. "	1 00
10 lb. "	1 80
25 lb. "	4 25
50 lb. Keg	8 00
100 lb. "	15 00

AUTOSPRAY.



PRICE, \$5.00.
Capacity.....2 gallons
Diameter.....7 inches
Height.....12 inches



A wonderful invention.
Light, swift, safe, strong and cheap.

PRICE, \$6.00

INSECTICIDES.

Nicotide, per bottle	\$2.00	Slug Shot, per lb.....	\$.06
Bug Death.....15, 35, 50c,	1.00	Lambert's Death-to-Lice.....10, 25, 50,	1.00
Tobacco Dust and Sulphur, per lb.....	.10	Persion Insect Powder, per lb.....	.50
Sulpho Tobacco Soap.....	.10 and .20	Jumbo Powder Gun.....	.25
Tobacco Soap, per pkg.....	.25 and .50	Cooper's Sheep Dip, per pkg....	.50 and 2.00
Tobacco Stems.....		Eureka Fumigator.....	1.25
Soluble Fir Tree Oil, per can.....	1 50	London Purple, per lb.....	.25
Whale Oil Soap, per pkg ..	5, 10 and .20	Hellebore, per lb.....	.20
Fir Tree Oil Soap, per pkg.....	.30	Paris Green, per lb.....	.25

Hardware is Necessary in all Families--Buy of Us

Beautify your Lawn by Using Our Seeds and Fertilizers.

Rumsey's Superior Double-Acting Spray Pump.

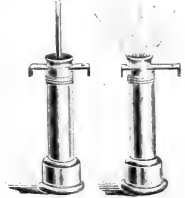
This represents our new Double Acting Force Pump, which is superior to anything heretofore offered for spraying trees or plants with poisonous mixtures. Being double-acting it throws a continuous stream which, with our "Lilly" nozzle can be diffused over a wide area.

This pump is fitted for hose or iron pipe as ordered. Made in one size only. **Price \$6.50.**



**RUMSEY'S
"LILLY" SPRAYING
NOZZLE.**

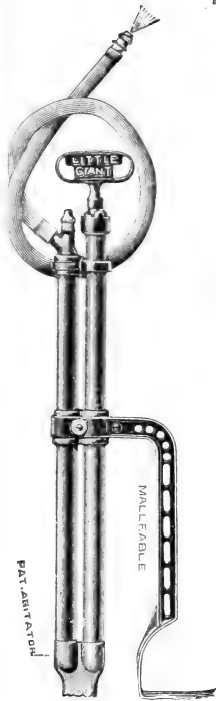
PRICE 50 CENTS.



**THE BEST SPRAY PUMP
ON THE MARKET.**

With 3 ft. of $\frac{1}{2}$ in. discharge hose and "Lilly" Nozzle
Can be used for washing windows, carriages, etc.

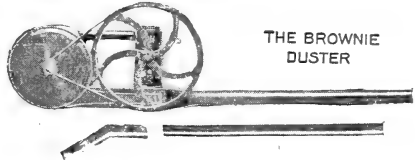
Price, - - - \$4 00



Price \$3.00—Myers Bucket Brass Spray Pump, with agitator, complete with Hose, Combination, Fine and Coarse Spray and Solid Steam Nozzle.

The Brownie Duster.

For Garden, Vineyard and Small Trees--Particularly Useful for In-Door as well as Out-Door Work, wherever a Dry Powder is Required.



This machine dispenses with the use of water. Poisons when used dry, are more effective than otherwise and should be distributed in a smoke-like dust, so as to be hardly perceptible on the leaves.

The crank should be turned about 80 revolutions per minute.

Two 16 inch tubes and one bent nozzle furnished with each Duster. Machine weight complete $3\frac{1}{2}$ lbs. One packed in a case.

The grooved brass wheel can be unscrewed and reversed, if worn, or replaced for 5 cts. Reservoir holds $\frac{1}{2}$ lb. Paris Green, 2 oz. Powdered Hellebore, 2 oz. Insect Powder.

Price, - - - \$5 to \$7

Burrill Corn Shellers,	-	-	-	-	\$5.00
Wood Keystone Corn Shellers,	-	-	-	-	6.00
Champion Ball Bearing Shellers,	-	-	-	-	2.50

We Sell Hardware of All Kinds.

A GOOD SLEIGH FOR SALE AT A BARGAIN.

The United States Cream Separators and other Dairy Supplies.

AT SPECIAL PRICES THIS SEASON.

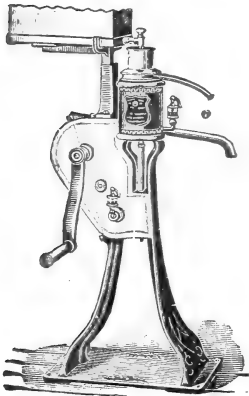
Capacities and Prices for 1903 on "New Century" Separators.

No. 9, Capacity 150 to 175 lbs. per hour.....	Price \$ 50 00
No. 8, " 225 to 250 " "	" 65 00
No. 7, " 275 to 300 " "	" 85 00
No. 6, " 400 to 450 " "	" 100 00
No. 5, " 500 to 550 " "	" 125 00

The Nos. 8 and 9 have low frames ; 5, 6 and 7 high frames.

We submit that the United States Separator has given the dairymen more for their money than any others and has always kept ahead in improvements, and is therefore entitled to the position it occupies of being **first in their estimation and patronage.**

The U. S. Separator can be seen at our store. Catalogue and information free.



Improved U. S. Cream Separators with incased gear.



The Norcross Butter Machine.

Norcross Separator

and Improved Churn.

The Greatest Seller of the Age

Simplicity Itself

SOMETHING NEW.

A Scientific Discovery.

Absolutely Pure Butter.

—O—

Utica, N. Y., Dec. 26, 1902.

Mr. F. H. Ebeling,

Syracuse, N. Y.

Dear Sir:— In reply to your inquiry regarding the Norcross Churn will say, I know it to be all that is claimed for it. Have used it myself and know whereof I speak. I also demonstrated it before some of the best and most practical butter makers in the U. S., and I never had a failure.

Produces more good butter easier and quicker than any other method I know of.

I will be glad to answer any inquiries from your customers.

Yours very truly,
S. R. BELL, Utica, N. Y.

Household size 1 to 3 qts.....	\$ 6.00
No. 1 Capacity 1 to 2 gal.....	8.50
No. 2 " 4 gal.....	12.00
No. 3 " 9 gal.....	18.00
No. 4 " 15 gal.....	24.00

Agents Wanted.

We Have Hardware of All Kinds—Buy of Us.

EUREKA BUTTER WORKER.

PRICE LIST.



No. 1, Family size, works	8 to 12 lbs.....	\$ 6.00
No. 2, Dairy size,	" 10 to 20 lbs.....	8.00
No. 3,	" 20 to 40 lbs.....	10.00
No. 4,	" 40 to 60 lbs.....	12.00

Write for special circulars.

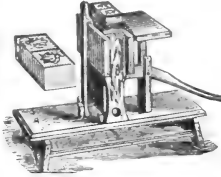
Eureka Butter Printer.



Self-gauging.

Per pound or half pound.

No. 1.....	\$4.50
No. 2.....	3.50



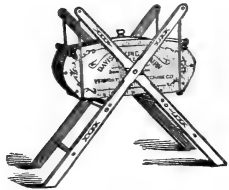
NESBITT BUTTER PRINTER.

$\frac{1}{2}$ lb.....\$4.00

1 lb..... 4.50

Self-gauging extra. \$1.00

Davis Swing Churn.—Complete with Folding Frame.



This is the regular frame, and is always sent unless specially ordered otherwise. Tilting Frame extra, \$1.00.

Size.	Will Churn.	Capacity.	Weight,	Price.	Extra for iron
			Lbs.		Y and pitman.
No. 1,	4 gal., or less,	8 gal.	55	\$7 00	\$ 75
No. 2,	5 gal., "	10 "	59	8 00	75
No. 3,	8 gal., "	16 "	73	10 00	75
No. 4,	10 gal., "	20 "	85	12 00	75
No. 5,	13 gal., "	26 "	98	15 00	1 00
No. 6,	17 gal., "	34 "	112	18 00	1 00

Davis Swinging Churn.

NORCROSS CHURNS.

Family Size, Capacity, 1 gal.	Churns	Price.	Weight.
No. 1. Capacity $3\frac{1}{2}$ gals.,	" 1 to 3 qts.....	\$6.00	10 lbs.
No. 2. " 7 "	" 1 to $2\frac{1}{2}$ gals.....	8.50	20 lbs.
No. 3. " 15 "	" 2 to 4 gals.....	12.00	30 lbs.
No. 4. " 25 "	" 4 to 9 gals.....	18.00	40 lbs.
	" 6 to 15 gals.....	24.00	50 lbs.

FULL INSTRUCTIONS WITH EACH MACHINE.

BARREL CHURNS.



No. 0,— 4 gallon, will churn,	2 gallons.....	\$3 50
No. 1,—10 "	" " 5 "	4 50
No. 2,—15 "	" " 8 "	5 00
No. 3,—20 "	" " 10 "	5 50
No. 4,—25 "	" " 12 "	7 00
No. 5,—30 "	" " 14 "	8 00

Oak Dash Churns, Stone Dash Churns, Dog Powers, Butter Workers, Skimmers, Butter Carriers, Ladles, Richardson's Butter Color, Butter Prints, Floating Glass Thermometers, Dairy Thermometers, Cream Gauges, Babcock Butter Tester.

MILK BOTTLES AND CAPS IN QUART AND PINT ALWAYS IN STOCK.

Try Dwarf Essex Rape for Quick Pasture.

IF YOU NEED HARDWARE, WE HAVE IT.

TIN SHOP.

MILK CANS—ALL SIZES.—Milkmen are invited to examine our work. Repairing promptly done, in the best manner and at moderate prices.

PEDDLING CANS IN 20, 30, 40, 50 AND 60 QUART SIZES.



Carrying Cans, all sizes..\$	50 to \$2 25	Tin Milk Pans, per doz..\$1	50 to \$2 25
Dairy Cans	6 50 to 8 50	Tin Milk Pails, all sizes..	30 to 75
Wholesale Cans	40 cts	Sprinkling Pots, "	25 to 1 25
Strainer Pails	50 to 90	Excelsior Strainers....	2 00
Pint Dippers.....	30 to 60	"Our Own" Strainers..	1 75
Quart Dippers.....	50 to 75	Aerators.....	2 00 to 6 00
Strainers.....	50 to 1 60	All Hand Work and fully Warranted.	

Aerators made to order. Tin Gutters, Galvanized Gutters, Tin Roofing, Stencil Cutting, Galvanized Iron Work. Everything in Tin Work made to order on short notice and in the best manner. Shears, Scissors, Knives and Saws Sharpened and Repaired, also General Jobbing.

Milk Bottles and Milk Caps always in Stock.



Price List of Gravity Cream Separator.

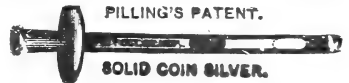
No. 0 holds 7 gal., used for 1 to 2 cows.	60 lbs. milk per day	\$2.50
No. 1 " 11 " " " 2 to 3 "	100 " " " "	4.50
No. 1½ " 18 " " " 3 to 4 "	150 " " " "	5.50
No. 2 " 25 " " " 4 to 7 "	200 " " " "	6.50

SCALES.

Platform Scales.....	\$9.00 to \$12.00
Counter Scales, Single Beams.....	\$2.50
" " Double Beams.....	3.00

MILKING TUBES.

For sore and obstructed Teats and for Hard Milking Cows.



Full Directions with Each Tube. 65c to \$1.25 each.

Hardware, Tools, Glass, Putty. Tin work of all Kinds BARGAINS IN WHIPS. COME AND SEE US.

DRAIN TILE.



The following sizes of Tile always on hand :

Size.	Weight Each.	Per. M.	Size.	Weight Each.	Per. M.
2 inch Rise, Sole Tile.....	3 lbs.....	\$12.00	3½ Horse Shoe Tile.....	4 lbs.....	\$15.00
2½ " " " ".....	4 ".....	15.00	4 " " " ".....	5 ".....	20.00
3 " " " ".....	5 ".....	20.00	5 " " " ".....	6 ".....	30.00
4 " " " ".....	7 ".....	35.00	6 " " " ".....	8 ".....	40.00
5 " " " ".....	9 ".....	50.00			
6 " " " ".....	12 ".....	70.00			

Length of Tile about 14 inches.

Special prices on car load lots direct from factory, which, being located at Chittenango, N. Y., on the lines of the N. Y. C. & H. R. R. R., the West Shore R. R., and Erie Canal, gives us exceptional shipping facilities.

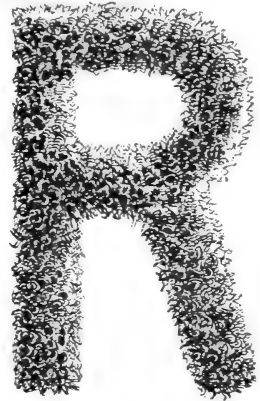
SPRING PLANTS, BULBS and ROOTS.

	PER DOZ.		PER DOZ.
Cauliflower Plants.....	25 cts.	Summer Savory.....	cts.
Cabbage ".....	5 "	Thyme ".....	"
Tomato ".....	25 "	Verbena Plants.....	50 "
Egg Plant ".....	50 "	Pansy ".....	50 "
Pepper ".....	25 "	Asters ".....	35 "
Kohlrabi ".....	"	Stocks ".....	35 "
Root Celery ".....	"	Petunia ".....	50 "
Sweet Marjaram Plants.....	"	Snapdragon Plants.....	40 "
Sage Plants.....	"	Beautiful Japanese Fern Ball.....	75 "

Gladiolas, Dahlias, Tube-Roses, Tuberous Begonias, Maderia Vines, Peonies, Gloxinias.
 Selected Fall Bulbs in their Season, Our Own Direct Importation from Holland.
 Christmas Holly, Holly Wreaths, Ground Pine, Mistletoe, in Season.

Florists' Sundries.

- | | |
|-------------------------------|------------------------------|
| Self-Registering Thermometers | Hanging Baskets |
| Tin Foil | Flower Supports |
| Green Moss | Plant Stands |
| Florist Letters | Trellisses |
| Raffia | Shears |
| Immortelles | Scissors |
| Mastica | Fine Cutlery |
| Plant Labels | Syringes for Plants |
| Fumigators | Flower Pot Brackets |
| Bulb Syringes | Sharpening of Shears, etc. |
| Glazing Points | Lawn Seed and Fertilizers |
| Flower Pots | Bird Supplies |
| Hyacinth Glasses | Wire Plant Supports |
| Jardinieres and Pedestals | Silkalene, per spool, 30cts. |



\$3.00

\$2.00

\$1.50

Rustless Oleite, 75c a Box.

An application will prevent rust absolutely. Farmers can save many dollars by its use.

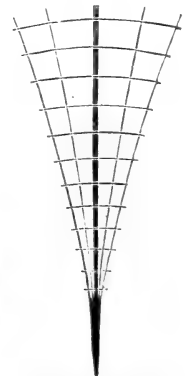
Flower Tubs, \$1 00 to \$4.00

Flower Pots, Hanging Baskets, Jardinieres, Fern Pans, Lily Pans.

Trellises, Urns, Vases and Settees.

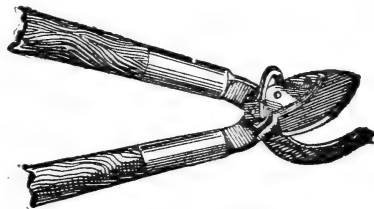
We offer a fine variety of styles in various sizes suitable for lawns, front yards, cemeteries, parks, etc. These can be furnished on order on short notice, at reasonable prices.

For full particulars, write or call and see us.



Diamond Edge

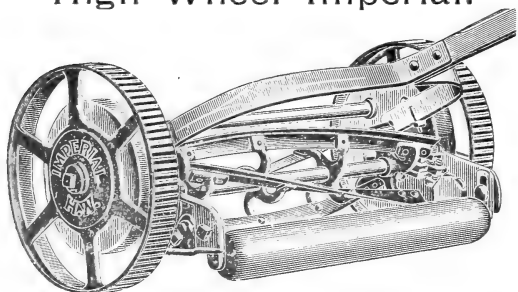
Tree Pruner.



PATENTED.

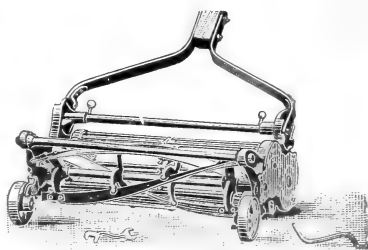
The above Pruner is the most powerful Tree Pruner on the market. The strength and power of this tool is wonderful, and the secret of it is that the nut remains where it is turned, for this reason the blades work inside the LINK NUT TIE, thus there is no friction on the head, or nut of the bolt, and the blade always cuts tight to the edge of curved blade and never becomes loose, as on other similar tools.

High Wheel Imperial.



Absolutely Warranted for Two Years. Positive Adjustment. Has no Equal. In Public Parks, Private Lawns and Cemeteries everywhere. Ask for Special Catalogue.

16 inch,	- - -	\$ 9.50
18 "	- - -	10.50
20 "	- - -	12.00
22 "	- - -	13.00



THE NEW EASY !

We have sold the "EASY" for Twenty Years.

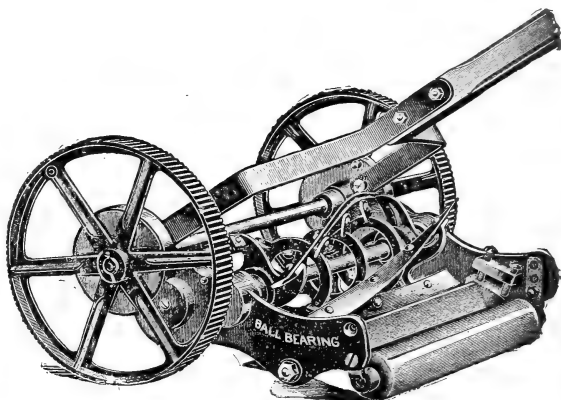
The Best All Around Mower on Earth.

"VICTORY"

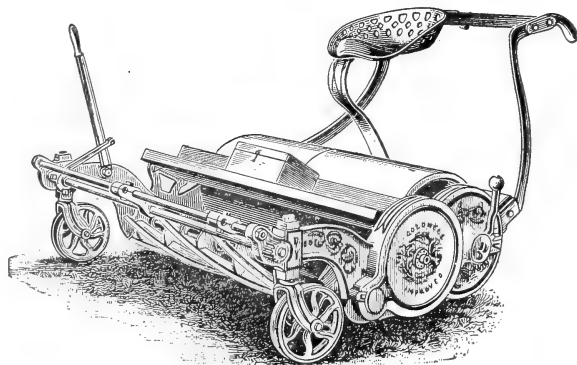
BALL BEARING LAWN MOWER.

This is unquestionably the Best BALL BEARING MOWER on the market. Perfect in every detail, absolutely guaranteed.

16 inch	.....	\$ 9 00
18 "	.....	10 00
20 "	.....	12 00
22 "	.....	13 00



Imperial Horse Lawn Mower.



Price \$55.00 and Up.

Absolutely Guaranteed to Cut Clean in turning around.

Send for Catalogue.

LAWN MOWERS SHARPENED AND REPAIRED.

Master's Little Giant Plant Setter

Will transplant

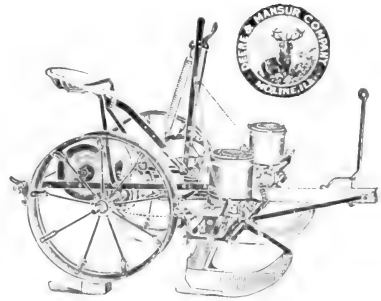
Cabbage,
Tobacco,
Tomatoes,
Cauliflower,
Sugar Beets,
Strawberries,

No more LAME
BACKS.

No more waiting
for Showers.

Every Plant set
with water or
liquid fertilizer.

AGENTS WANTED—Apply Promptly.
PRICE, \$4.00



Two Row Deere Corn-Planter.

This plants two rows at a time and is the latest addition to the justly celebrated line of Deere Planters. It is so simple that it is next to impossible for it to get "out of fix," and in the matter of convenience is simply in a class by itself.

The drop works on the "edge selection" principle, taking advantage of the fact that kernels of corn, while varying greatly in size, are comparatively uniform in thickness. This gives the Planter an extremely accurate drop.

The valve mechanism is entirely enclosed within the shank, and is not affected by corn-stalks or other trash. The corn is forced out of the heel in perfect check, regardless of the speed of the team, and there is no clogging of the heel.

It is always ready for either hilling or drilling, no change of the valves being necessary and no change of plates for the distances most used. The foot-drop is always ready for use and is convenient to the foot.

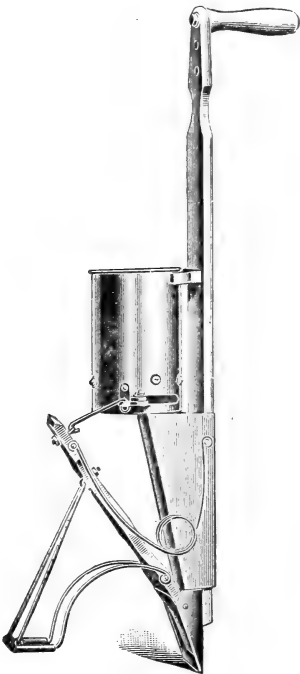
While the front and back frames are extremely rigid, there is a spring connection between the two, allowing the Planter to follow the inequalities of the surface of the ground.

The automatic reel is simple and effective, and so situated that it need never be removed from the Planter, although it may be taken off by simply removing one spring cotter.

An adjustable seat adds greatly to the comfort of the operator.

Price for Corn Planter, Check Rower
and Drill \$45.00
With Fertilizer attached \$55.00

Refer to Skiff Bros., of Salina; Henry Lacy of the Third National Bank, Alderman Frank Matty and Averill & Gregory who are using them.



The American Standard HAND CORN PLANTER,

The Universal Favorite. Quickly adjusted for a light or heavy seeding, and rotates similar to the disc in a Horse Planter. \$1.75

Wiard's Automatic Hand Corn Planter

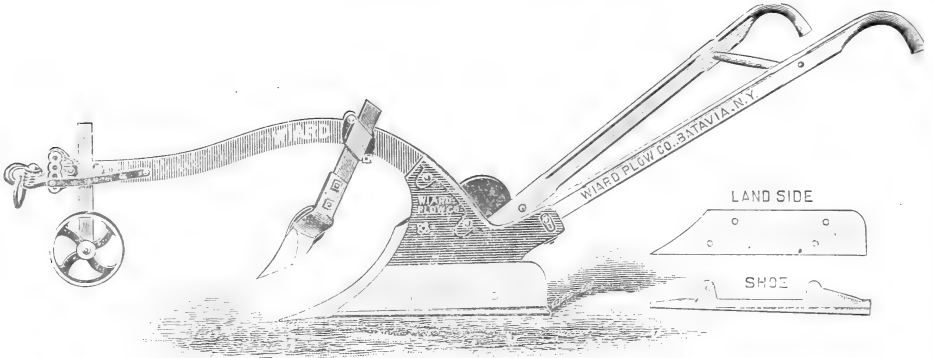
Simple, Durable, Economical,
None Better.

Price, \$1.75.



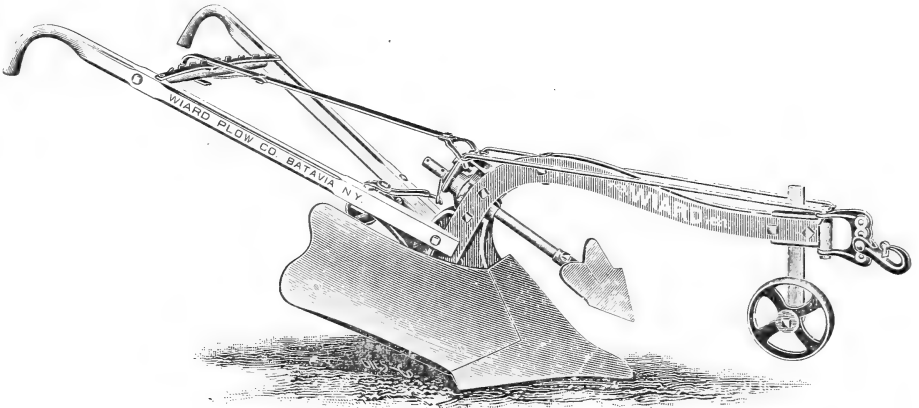
BUY YOUR HARDWARE OF US.

WIARD STEEL AND IRON BEAM PLOWS.



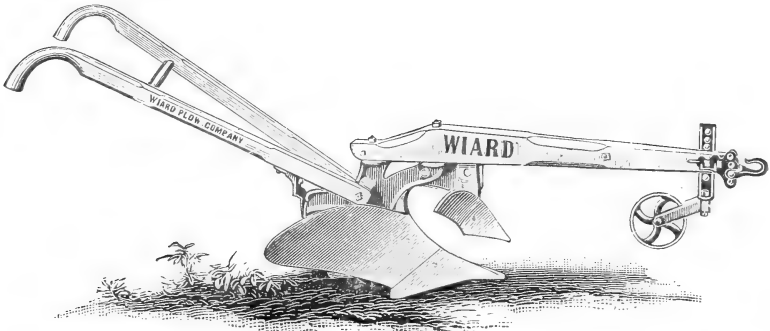
No. 9. THE BEST OF THE WIARD PLOWS.

Landside view of Wiard Forged Steel Beam Plow. All our steel beam flat-land plows now have land side and shoe as shown above. Price \$13.50.



The Wiard Swivel Plow with Automatic Jointer or Coulter.

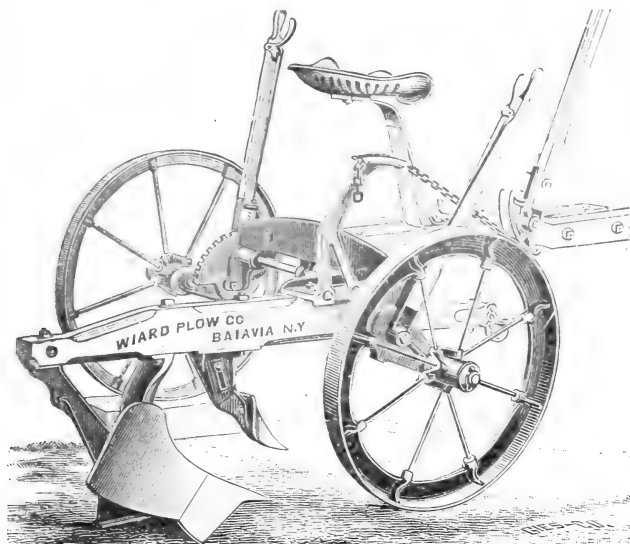
One of the best plows for hillside or flat land and for cutting roots, or use in rough or stony ground. Price \$13.50.



No. 10-B. Price \$8 to \$10.

For one-horse, plows 4 to 7 inches deep, 6 to 10 inches wide; weight 77 pounds.

WAIRD SULKY PLOWS. - - - - - Price, \$30.00.

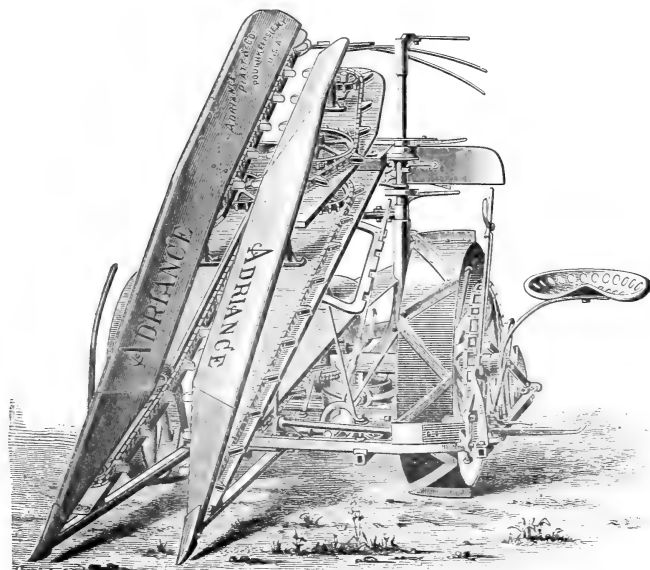


This sulky plow is made in the simplest and strongest manner possible, and by the use of levers is guided precisely like a hand plow; and the greatest advantage derived from its use is in plowing lands so hard and stony as to make hand plowing very difficult. Our method of lifting the plow carries the point backward as the plow is raised, freeing it from obstructions under which it may have caught. The patent flanged wheel gives it a perfectly uniform furrow, and enables the operator to "finish a land" with utmost precision.

The adjustable plates give the exact width of furrow desired, and the sulky is perfectly balanced for either level or inclined fields.

ADRIANCE CORN BINDER. - - - - - Chain Gear.

The Best Up-to-Date Binder on The Market.



Has all the good points of other binders and none of their faults.

Very compact, being only about 5 feet wide, in perfect control of the operator. Handles tangled corn. Discharges bundles clear of the machine, and is everything that a Good Corn Binder should be.

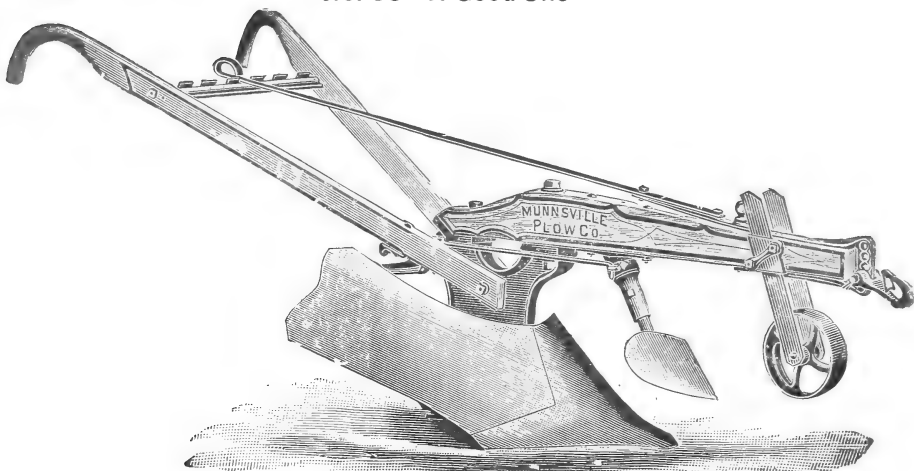
Send For Catalogue
Containing Full Particulars.
Made Outside the Trust.
Price on Application.

F. H. Ebeling.
SOLE AGENT.

CATALOGUE FREE.

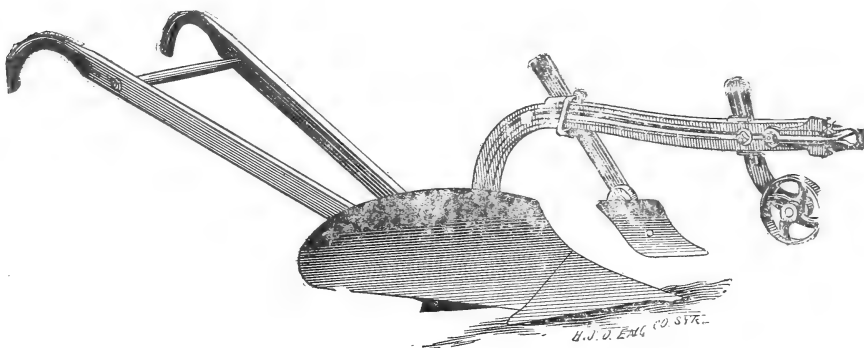
MUNNSVILLE PLOWS.

No. 95 "A Good One"



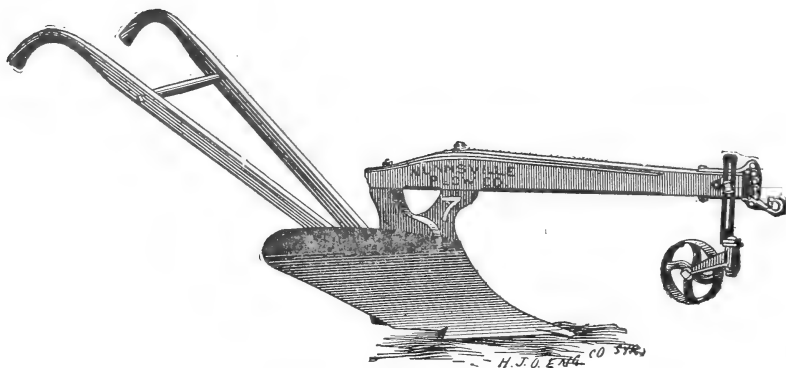
This New Reversible Plow is one of the best on the market and will be sold on its merits. Price \$13.50. Call and See It.

STEEL BEAM PLOW, No. 10.—"The Big Seller."

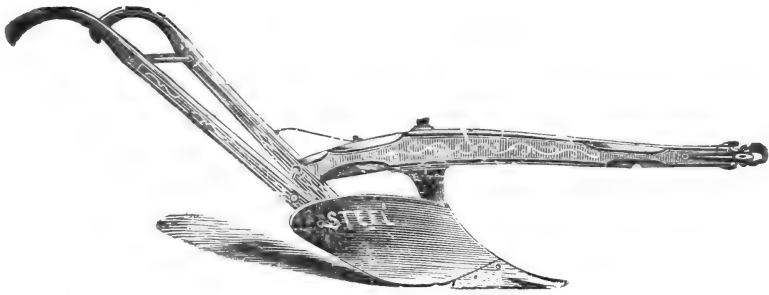


This Plow is long on the run with a high Mouldboard, of a shape that insures easy draft, good cleaning qualities, and pleasing appearance. Price, \$13.50.

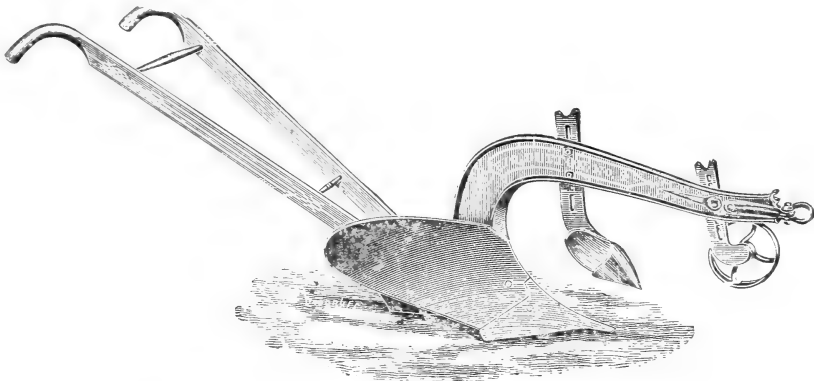
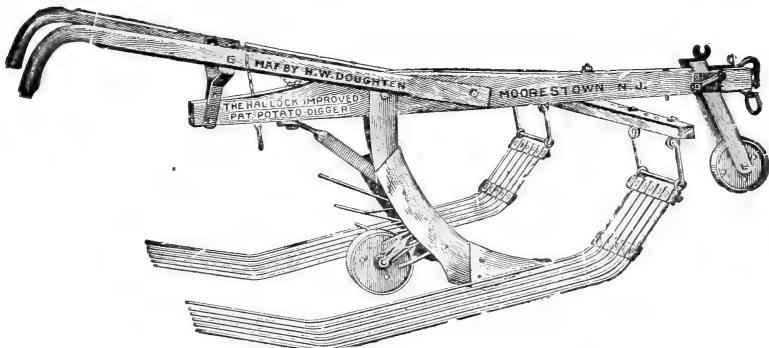
No. 7 GARDEN OR VINEYARD PLOW.



Shifting beam and handles with trailing wheel always in line with the plow. Price, Chilled or Steel, \$6 00 to \$8.00. Weight 75 to 85 lbs.

'ONEIDA VALLEY CLIPPER No 2½.

This is a light one horse cast steel plow, adapted to plowing out corn, hops and nurseries. Can be gauged so as to plow to and from the rows. Price \$9.00 plain. This cut also represents our new 2½ chilled plow. Price, \$7.50 Plain Chilled. \$9 00 Steel.

DUTTON IRON BEAM No. 2. Price \$9 00.**HALLOCK'S POTATO DIGGER Price, \$15.00.**

Refer to Elmer Amidon, Navarino; A. E. Smith, Camillus; Pat O'Brien, Pompey; J. W. Hughes, Stiles; Edgar Bowen, Onondaga Valley; Asylum for Feeble-Minded Children; E. A. Coville, Split Rock; S. B. Rowe, Camillus; John Oley, Pompey; Ed. Bencotten, Onondaga Valley, and others who have used these diggers.

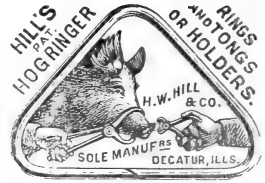
PLOWS AND PLOW CASTINGS.

We are carrying the largest line of Plows and Plow Castings to be found in Syracuse. We can supply parts for nearly every plow in use in this county.

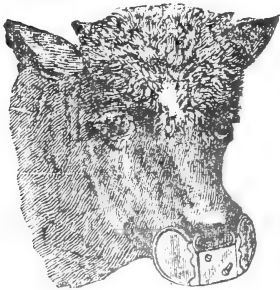
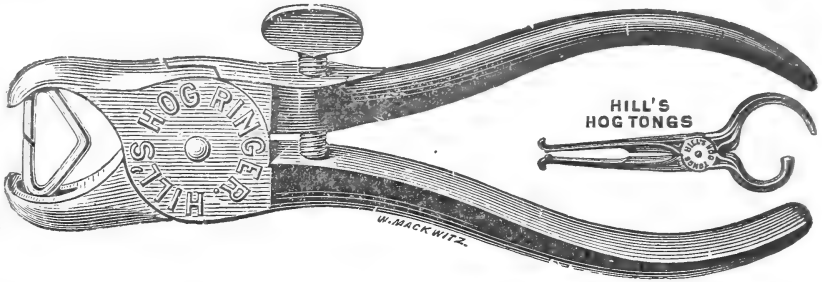


DANA'S STOCK LABELS.

FOR CATTLE, SHEEP, HOGS, Etc.
 Cattle Labels 75c, doz., \$4.50 per 100
 Sheep and Hog Labels,
 50c doz., \$2.50 per 100
 Punches for Cattle ----- \$1.50 each
 " " Calves ----- 1.25 each
 " " Sheep and Hogs 1.00 each



The Prices of Hog Rings and Ringing Tools have been Reduced.



Rice's Calf Weaner AND Sucking Cow Muzzle.

FOR PREVENTING CALVES AND COWS SUCKING THEMSELVES OR EACH OTHER.

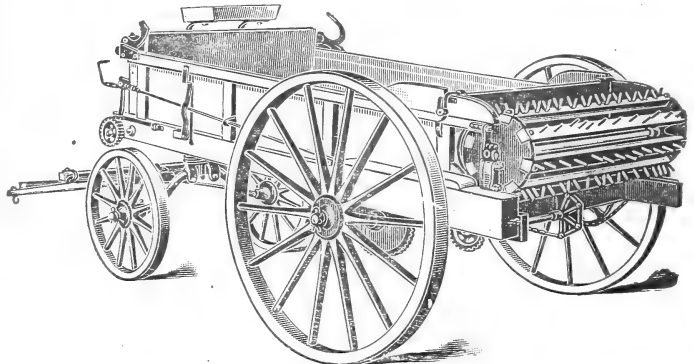
No. 1—For Calves till 1 year old, 30c, by mail postpaid 35c
 No. 2—From 1 to 2 years old, 50c, by mail postpaid 56c
 No. 3—For full grown animals and self-suckers, 75c, by mail postpaid 85c



Price \$1.00 to \$1.50

CASH PAID FOR EARLY POTATOES CANADA PEAS WAX BEANS AND PUMPKIN SEEDS.

Kemp's 20th Century Manure Spreader.



Up-to-date, Practical, Absolutely Guaranteed.
 Price \$110.00. Ask for Catalogue.

F. H. EBELING, Sole Agent.

Farmers' Combination Clamp and Drill.



\$2.25 with Diamond Point Drills.

Extra Drills, 10 cents each.

\$3.00 with Syracuse Twist Drills.

Extra Drills, 25 cents each.

The lowest priced first class article of its kind on the market. Can be used as a wood clamp, also a bench vice or hand drill. Thoroughly practical.

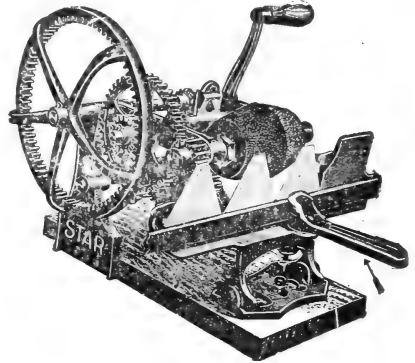
This cut shows our Sickle Grinder with the knife head clamped in the machine. The only grinder made that is adjustable for every work, long or short, wide or narrow, new or old knives, and can be adjusted to grind sections above the knife head. Guard the points by screwing down the thumb screw that the arrow is pointing to. You can grind the knife as perfectly as when it was new.

The stone oscillates or passes up and from heel to point of blade every fifth turn of handle, it positively cannot heat nor draw the temper.

The best and only grinder on the market.

PRICE, \$4.50.

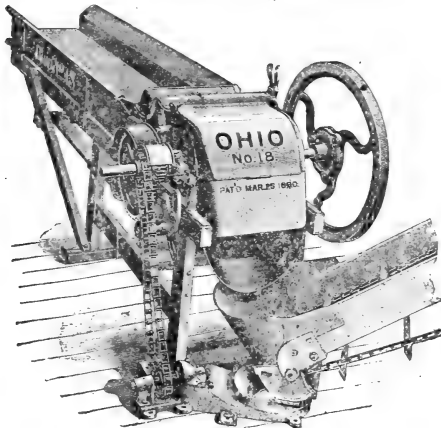
STAR SICKLE GRINDER.



WE SELL THE FAMOUS

"OHIO" Self-Feed Ensilage Cutter,
and New Metal Strip Swivel Carrier.

New Model for 1899.



NEW MODEL FOR 1899.

We can also furnish Shredder Cylinder for the "OHIO" line Nos. 11, 13, 16, 18, 24 and 26 Cutters. Elegant illustrated catalogue free. Fully guaranteed and reasonable in price.



Cobbler's Outfit.

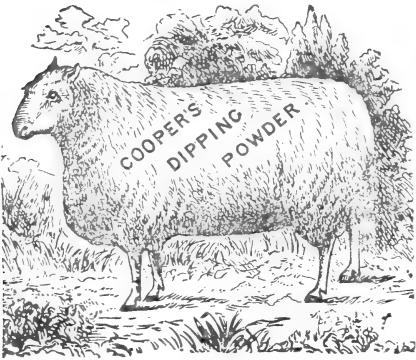
40 cents to \$1.50, according to outfit.

This is something that all farmers should have in their homes—will save you many a shilling in shoe and harness mending.

Buy Your Whips and Hardware of Us.

We Sell All Kinds of Fertilizers.

Cooper's Sheep Dipping Powders.



The finest in America, used by all ranchmen in the West, sure cure for scabs and Ticks. We could show you a list of testimonials a yard long if necessary, but those we have from firms so well-known among sheepmen will be all that is required to convince you we have the best. Sold at factory price. Small packages will make 25 gallons, large packages 100 gallons, ready for use. An unprecedented demand has set in all over the United States for our celebrated Sheep Dip, consequent upon the favorable verdict of sheepmen who have used it. Other preparations are being relinquished, as "COOPER" is found far superior in every way.

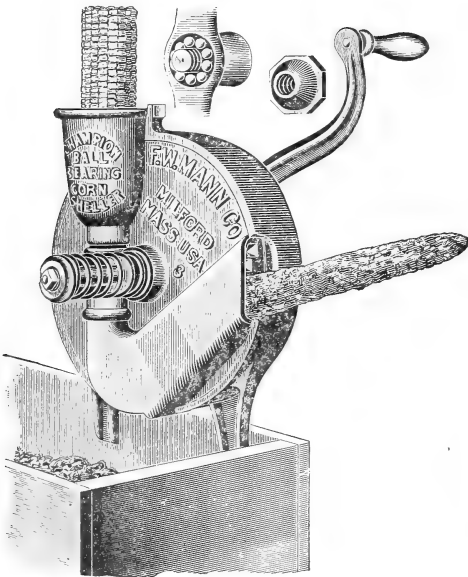
PRICE, 50 c AND \$2 00.

LAMBERT'S DEATH TO LICE.

Absolutely Kills Lice or Fleas on Poultry, Horses, Cattle, Cats, Dogs, Hogs, Ticks on Sheep, Lice on Plants, Carpet Moths, Water Bugs, Protects Furs and Woolens.

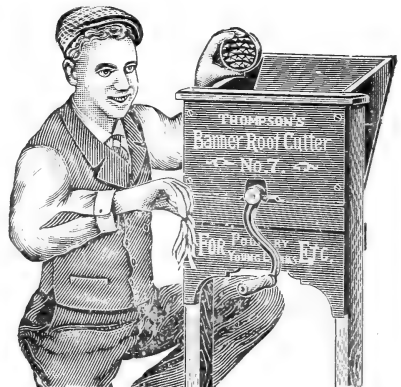
ABSOLUTELY GUARANTEED.

5 ounce Box	-----	10c
15 " "	-----	25
48 " "	-----	50
100 " "	-----	\$1 00



The Champion Ball-Bearing Sheller.

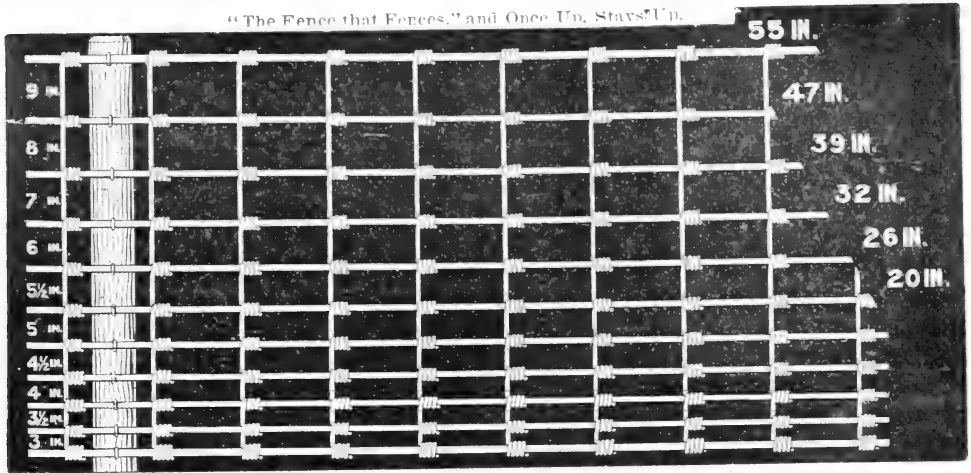
Has no equal. It is the Best and Cheapest Sheller on the Market. Price, \$2.50



Poultry Root Cutter, \$4.50

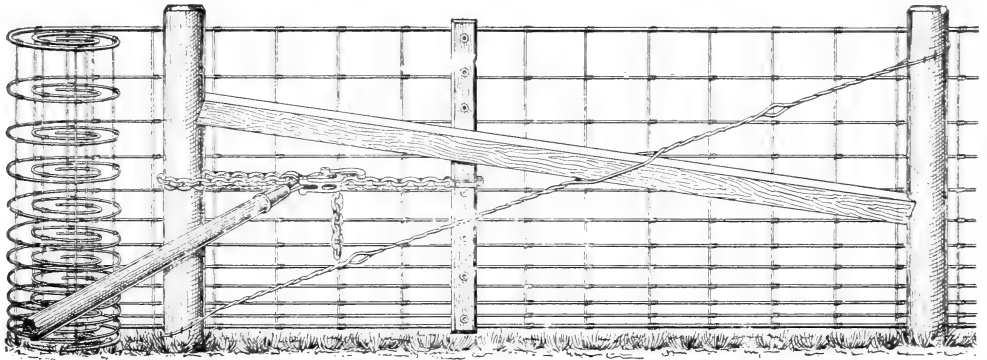
"AMERICAN" FIELD AND HOG FENCING.

"The Fence that Forces," and Once Up, Stays Up.



Special Horse, Hog and Cattle Fence.

THE LOT STRETCHER FURNISHED IF DESIRED.



Showing Stretcher in Use. Catalogue and full Particulars on Application.

7-TOOLS IN ONE-7

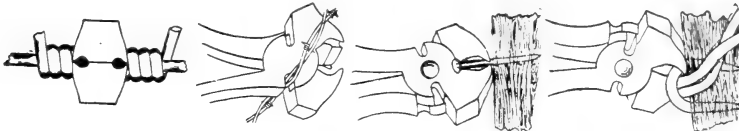
A Crack-a-Jack Seller. Price \$1.00



WANTED BY 6,000,000 FARMERS.

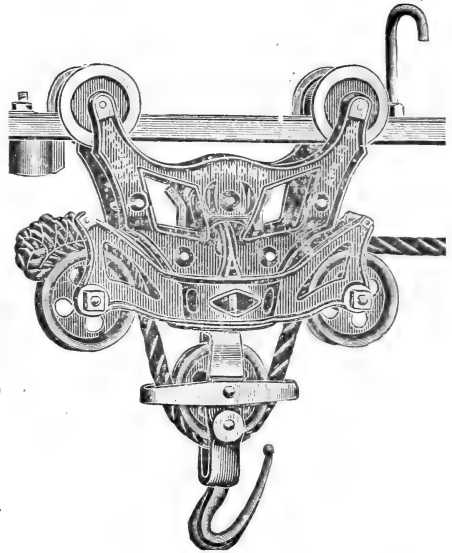
It takes the Place of Button Pliers.

It drives, pulls, makes and saves staples; cuts splices and straightens wire; is a wrench, a pincer, wire tightener; removes wire trellises; is a nail puller, a hammer. Saves bending and cutting wire. Saves time and wages. Saves cutting hands. Saves going to town. Saves losing temper. Saves chasing cows.



Diamond Wood or Steel Reversible Car.

Is made Entirely of Malleable Iron. Light and Durable. It Runs Both Ways on the Track, without Changing. Price \$4.50.



Double Harpoon Forks.....	\$1 00
Pulleys in Wood and Iron. each.....	25c to 75c
Rope, best Manilla at lowest prices.	
Star Hay Car, steel track.....	4 50
Diamond Car, wood track.....	4 50
The Wood Hay Tedder.....	35 00
The Wiard Horse Rake.....	20 00
New Yorker Horse Rake.....	20 00

We Carry Haying Tools of All Kinds
Also Teeth for all Rakes and Tedders

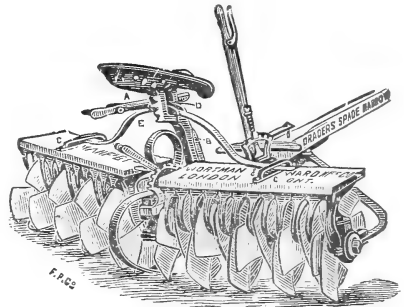


The Canton Wire Stretcher.

The Best In Use. Has No Equal.
Can be Used as a Hoist without Changes.
Price.....

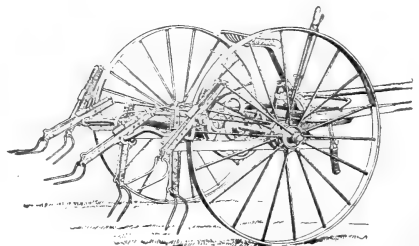
The Morgan Patent Spading Harrow.

HAS NO EQUAL.



PRICE, \$22.00.

THE WOOD HAY TEDDER.



PRICE, \$35.00.

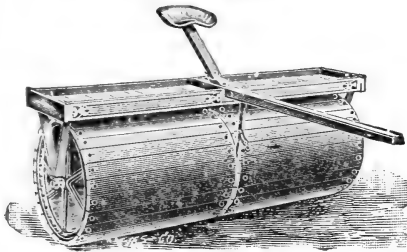


ADRIANCE HARROWS.

Spring Tooth, with Self-Setting Levers, on Wheels, with or without Seat, \$15.00, \$16.00, \$17.00.

Peg Tooth with Levers, Adjustable Teeth and Strong Framing, \$13.00.

New York Disk Harrow. The Simple and Most Durable, \$22.00.



LAND ROLLERS.

Hard Wood Roller, 28 inch, Two Sections ----- \$17.00 to \$20.00

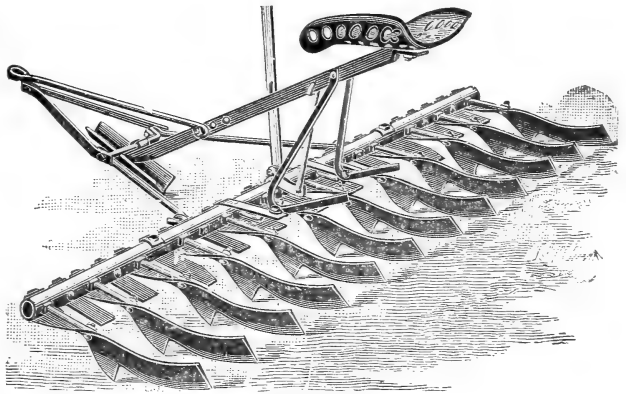
Steel Roller, 26 inch, Two Section, ----- \$25.00 to \$30.00

Lawn and Garden Roller ---- 8.00 to 12.00

ACME PULVERIZING HARROW, CLOD CRUSHER & LEVELER

PRICE \$15.00

Warranted Against Breakage for One Year.



Compressed Salt Cakes and Frames

For Horse, Cattle and Sheep
PATENTED

Pure Refined Salt, acts as a tonic, invigorates the system, promotes digestion and purifies the blood.

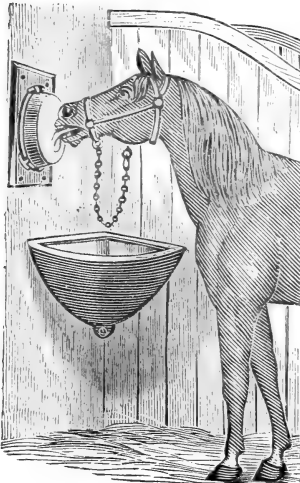
25c Per Cake 5 Cakes \$1.00
Frames 25 Cents.

KEYSTONE ADJUSTABLE WEEDER.



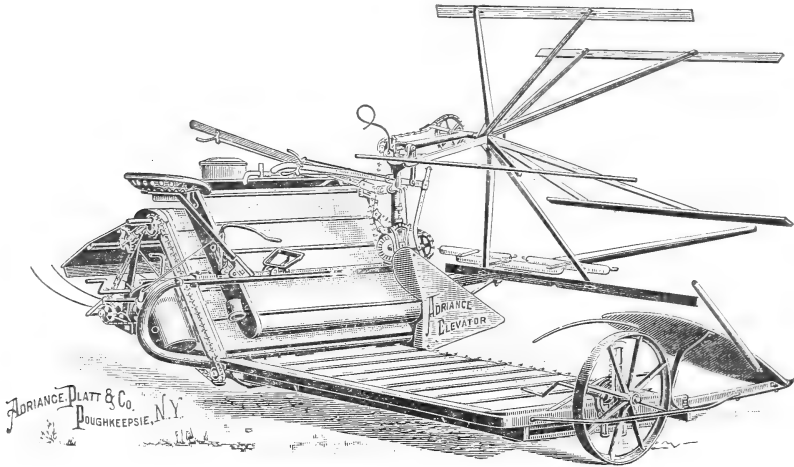
Can expand to 7½ feet and narrow to 30 inches.

\$9.00.



Adriance Buckeye Mowers, Chain Drive or Geared

"NOT IN THE TRUST."

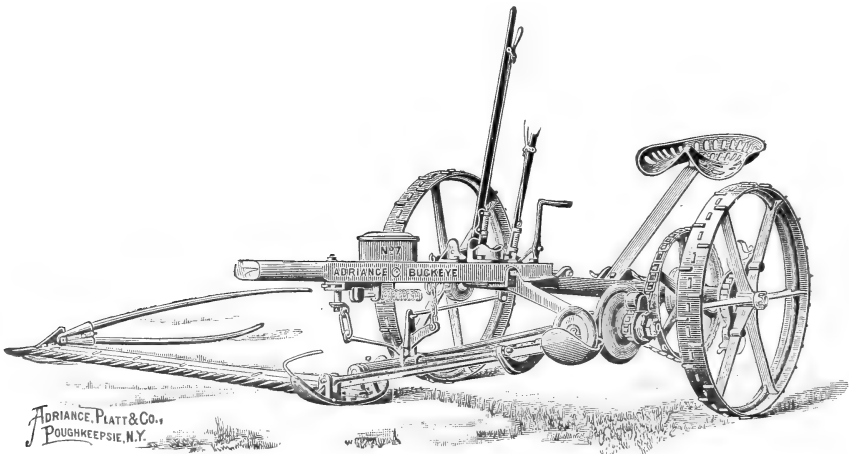


ADRIANCE BUCKEYE MOWERS have been known longer and sold in greater numbers in New York State than other mowers, because they have always embodied the greatest improvements and have combined more good points than any others.

ADRIANCE AND ADRIANCE TRIUMPH REAPERS meet all requirements. The Adriance is the best "all 'round" reaper and great for ensilage corn. The Adriance Triumph is the very lightest draft and the leading light reaper.

ADRIANCE ELEVATOR AND ADRIANCE BINDERS suit any farm or conditions. Have the "Straight Away" binding attachment, gear driven reel, device to easily loosen or tighten aprons and other special valuable features. The most economical in use.

WE SELL ALL of the Adriance Line and CARRY EXTRAS in stock.



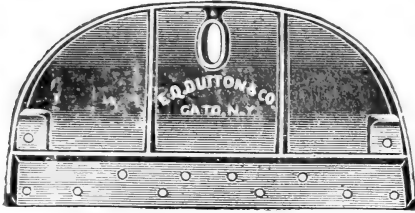
The Adriance, Platt & Co. are not in any trust or combination.

SEND FOR CATALOGUE.

STEEL AND CAST IRON HOG TROUGHS.



No more trouble building Hog Troughs. One of these will last a lifetime. Made in four sizes, 3, 4, 5 and 6 feet, 8 inches deep, 12 inches wide. Price 45 cents per foot.



'Iron Stone Boat Head.

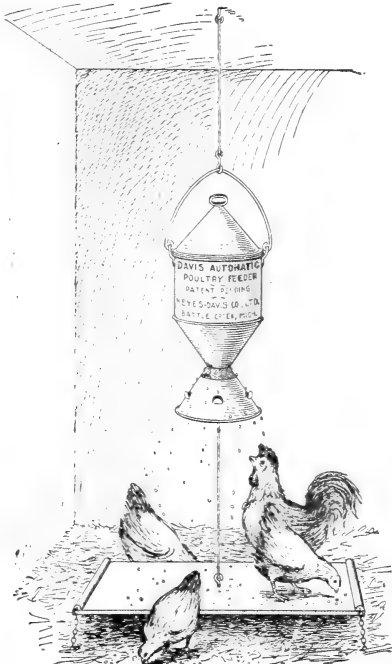
A Simple, Complete and Inexpensive device whereby a Stone Boat can be made in a few minutes by using straight plank. One head will last for years.

Price \$3.00 Each.

Hand and Power Root Cutter.

Has a Capacity of 30 to 100 Bushels per hour. One Bushel per minute has been cut as a test, many times.

Price \$8.00 and Upward.



Automatic Poultry Feeder.

This Automatic Poultry Feeder will reduce the cost of feeding to a minimum, economize in grain, increase the percentage of fertile eggs and health of your flock. The scattering of grain on the ground or in litter is unsatisfactory, as the fowls soon secure all the grain, and are idle until the next feed. The more exercise they get, the better the health of your fowls.

Our Automatic Feeder gives them plenty of exercise, so that they do not overeat.

It will save 50 per cent of time in feeding, and increases the egg-production. The hopper holds sufficient grain for an ordinary flock for 24 hours or more. The Feeder can be filled at night, and is ready for the fowls in the morning. Feeds fast or slow, works automatically, an inside cut-off regulates the discharge. No wood is used except for the platform, therefore there is nothing to get out of order.

The Feeder is suspended about four or five feet from the floor, and set to feed quite freely at first until fowls become accustomed to it. Surround Feeder by a pen about 12 inches or more in height and four or five feet square, which will prevent fowls from scratching litter away from Feeder and will give them additional exercise in getting in and out of pen.

Price \$2.25 each ; 3 for \$6.00 ; Dozen for \$20.00.

CYPHERS NON-MOISTURE INCUBATORS.

The Cyphers Patent. Diaphragm, Non-Moisture, Self-Ventilating and Self-Regulating Incubators



For which we are authorized agents, are guaranteed by the manufacturers as follows:

FIRST:—To require no supplied moisture.

SECOND:—To be self-ventilating.

THIRD:—To be self-regulating.

FOURTH:—To operate with less oil and at less expense than any other make of incubator.

FIFTH:—To be fire-proof, having the best, safest and most costly-built heater attached to an incubator.

SIXTH:—To be in all essentials the simplest and easiest to operate and control, requiring less labor and attention than any other incubator.

SEVENTH:—To be the easiest to set up, hence the most satisfactory incubator for the novice, and to be *strictly automatic in operation*, except the trimming of the wick, filling the lamp and turning the eggs.

EIGHTH:—To produce larger, stronger and healthier chicks and ducklings than any other style or make of incubator.

NINTH:—That where it is run in competition with any incubator of a different make, it shall, in three or more hatches, bring out a larger average percentage of the fertile eggs in good, healthy chicks and ducklings than does its competitor.

TENTH:—*That each and every incubator we send out will do satisfactory work in the hands of the purchaser who will give it a fair trial, or it can be returned to us within 90 days, in good repair, less reasonable wear, and the purchase price will be refunded.*

If you are in search of the best incubator manufactured, the one that will hatch the largest number of the strongest chicks or ducklings, the CYPHERS is that machine. It is used to-day at thirty-two Government Experiment Stations in the United States, Canada, England, Australia and New Zealand. At these stations, which are operated at public expense, the Cyphers Incubators are used by the Professors of Agriculture and Poultry Managers for the purpose of demonstrating to students and poultry classes the scientific principles of artificial incubation.

THE CYPHERS PATENT-DIAPHRAGM, NON-MOISTURE, SELF-VENTILATING AND SELF-REGULATING INCUBATORS have supplanted the old style incubators on the largest broiler plants, duck ranches and egg farms throughout the country, and to-day are used by a majority of America's most successful poultrymen, including prominent fanciers, also by thousands of persons in all walks of life.

IT NOW IS NO IDLE BOAST that the sun never sets on the good work being done by the Cyphers Incubators. They are used in every country on the globe where poultry is produced for market, and are giving uniform satisfaction. Five minutes attention morning and evening positively is all the time required to take proper care of this unequaled hatching machine.

THE STANDARD HATCHER OF THE WORLD.

Although the Cyphers Incubators cost but a little more than cheaply-built, wrongly-constructed, inferior hatching machines, they are worth a great deal more. As a matter of fact they are what every earnest poultry raiser wants—a trustworthy, automatic incubator that with the least practicable attention will hatch the largest possible number of the strongest, largest and most vigorous chicks from a given number of fertile eggs.

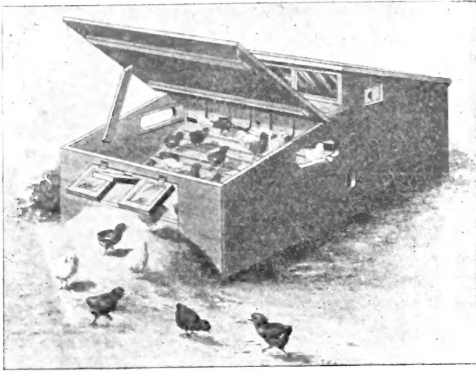
THE WHOLE STORY IS SUMMED UP in the Company's final guarantee, which we, as their agents, are authorized to stand back of in every particular, namely, that the Cyphers Incubators will do satisfactory work IN THE HANDS OF EVERY PURCHASER who will give it a fair trial, or it can be returned and the price paid for it will be refunded. Could any proposition be fairer than this? It is equivalent to buying a certainty in an incubator. Our advice to every reader of this catalogue is: Buy the best, then you will know you are right.

PRICE LIST OF CYPHERS INCUBATORS. (f.o.b. Syracuse, New York)

No. 0.	60 Hen's eggs,	48 duck's eggs	-----	\$14.00
No. 1.	120 " "	100 " "	-----	20 00
No. 2.	220 " "	190 " "	-----	29 00
No. 3.	360 " "	290 " "	-----	37.00

CYPHERS UNEQUALLED APARTMENT BROODERS. INDOOR, OUTDOOR AND SECTIONAL.

This Cut Represents the Style A Outdoor Brooder—Front View.



STYLE B INDOOR BROODER—The Cyphers Style B Brooder, standard size, (36x36 inches,) is for indoor use exclusively. It is heated by a Cyphers Safety Brooder Stove, has two apartments for the chicks, one under the hover, the other outside and around the hover; this outside apartment being ten to fifteen degrees cooler than under the hover.

STYLE A OUTDOOR BROODER—Next to its incubator, the Cyphers Company especially prides itself on the three-apartment, Style A Outdoor Brooder it manufactures. They unhesitatingly guarantee this to be the best brooding

device on the market, regardless of price, *for either indoor or outdoor use.* In the Cyphers Outdoor Brooder, Style A, with a total floor space of 36x60 inches, we have not only the double brooding arrangement, consisting of the hover and well-lighted apartment surrounding the same, but for daytime use what amounts to a separate cooler brooder, *or two brooders in one*

CYPHERS SECTIONAL BROODER.—These Sectional Brooders are made in three sizes, two, three and four sections. They are 38 inches wide and 11 inches high. Each section is three feet long. The materials used are the best. There are six heating pipes, substantial and lasting boilers and lamps, a safety expansion tank, adjustable floors and heavy felt hover curtains. They are the most practical and inexpensive hot water brooders ever designed for indoor use in moderate temperatures.

The Cyphers Brooders are offered at low figures, quality of material, workmanship and size considered.

Prices of Cyphers Brooders, All Styles.

f. o b. Syracuse, New York.

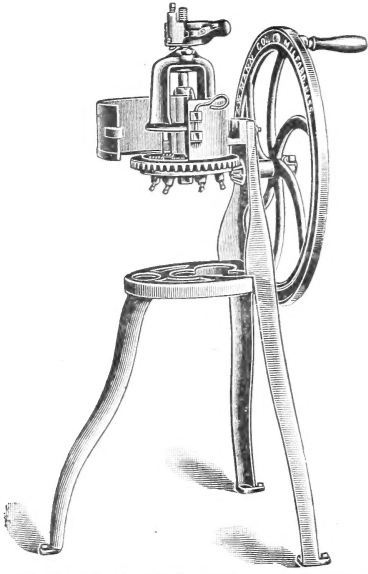
Style B, Indoor	\$10.00
Style A, Outdoor	12.00
2-section, sectional	18.00
3-section "	23.00
4-section "	28.00

THE CYPHERS COMPLETE CATALOGUE AND POULTRYMAN'S GUIDE FOR 1903, entitled "How to Make Money With Poultry and Incubators", consisting of 196 pages, 8x11 inches in size, containing detailed description of the Cyphers Incubators, Brooders, Poultry Appliances, Poultry Foods, Clover Products and other specialties, also over three hundred photographic illustrations of America's largest broiler plants, duck ranches, egg and specialty farms, AND TWELVE INTERESTING, VALUABLE AND HELPFUL CHAPTERS ON PROFITABLE POULTRY KEEPING. WRITTEN EXPRESSLY FOR THIS BOOK BY FOREMOST EXPERTS, will be mailed to any address for 10 cents in stamps or silver to pay postage. This book should be worth \$10 to any man or woman who is interested in raising poultry or producing eggs for profit.

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217 Warren Street, Syracuse, N. Y.

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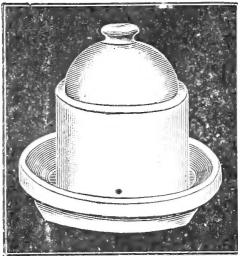
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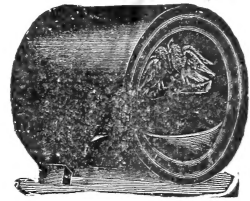


E. H. M. POULTRY FOUNTAINS
 1/2-gallon 30c
 1-gallon.....40c 2-gallon.....50c



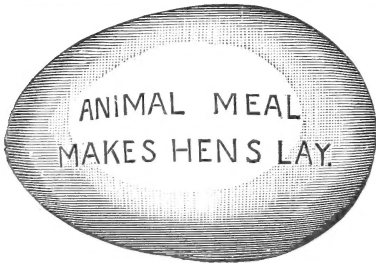
Eureka Non-Breaking, Galvanized Iron, in two sections.

Easily cleaned.
 Will last a life time.
 Price.....50 cents



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\$2.25 per 100 pounds.

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