

## **Historic, Archive Document**

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



# MICHELL'S 1920 SEEDS



**Nasturtiums**  
Giant Flowering

**ZINNIA**  
Giant  
Robusta, Mixed  
Colors

**SWEET PEAS**  
Michell's Spencer or  
Orchid in Mixture

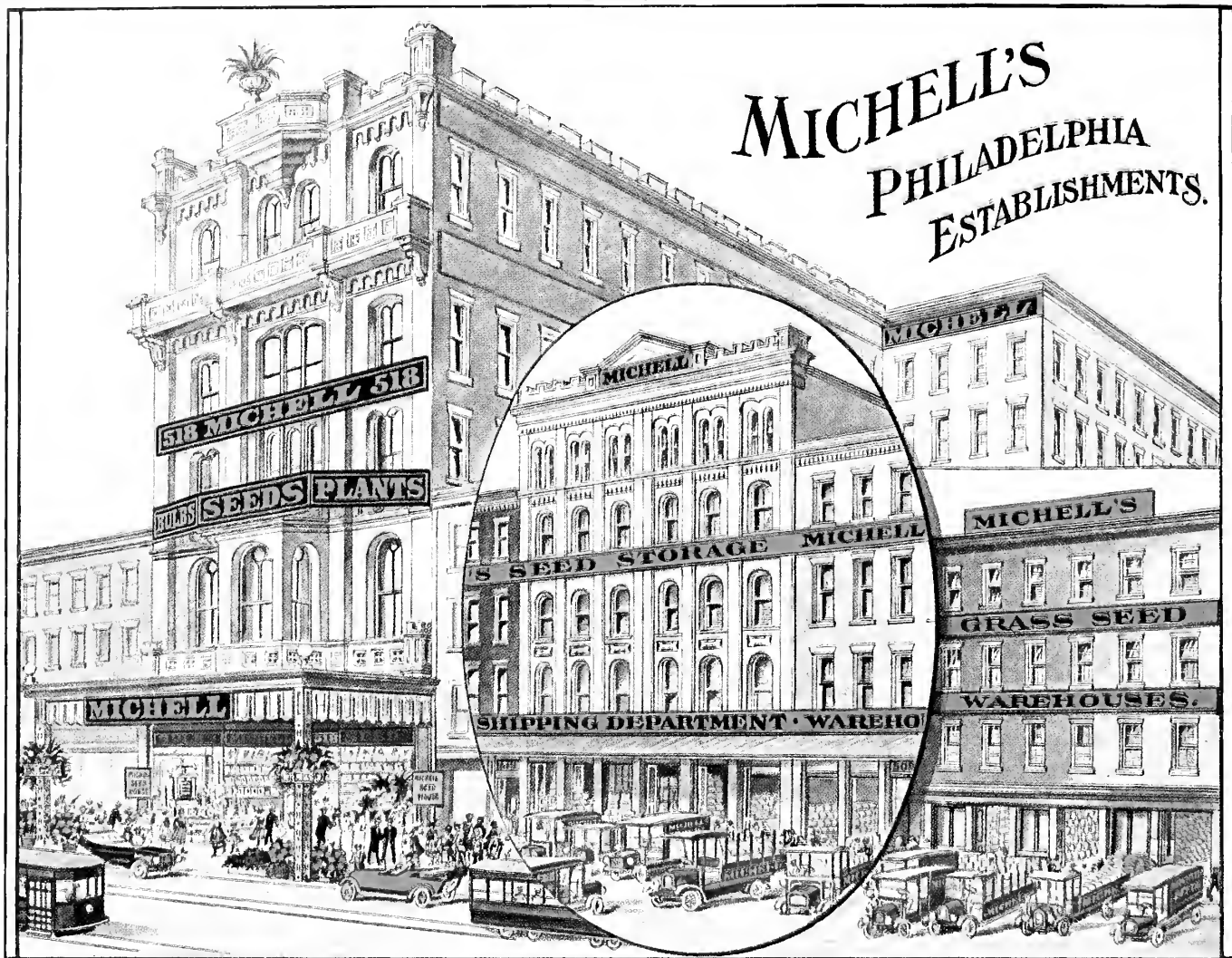
**ASTER**  
Michell's Invincible

**TOMATO**  
Michell's Early  
Red Wonder

**Michell's Cover Subjects**

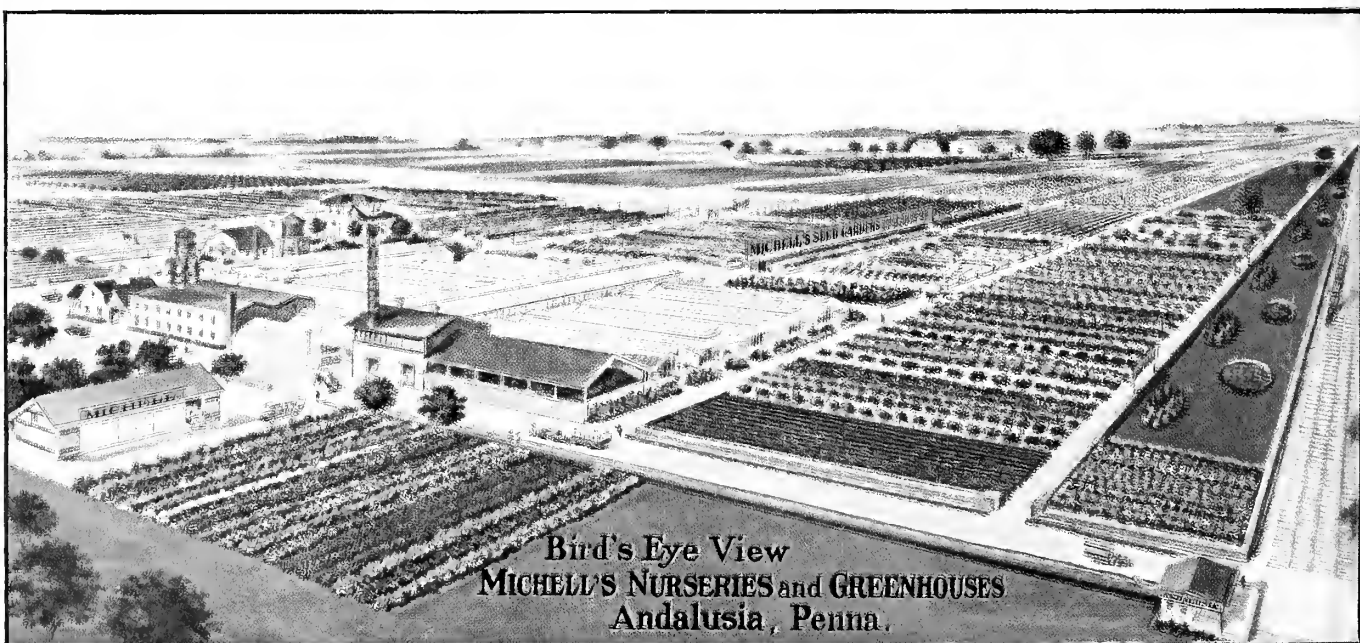
Tomato—Michell's Early Red Wonder.....	Pkt.	25c
Sweet Peas—Michell's Spencer or Orchid in Mixture.....	Pkt.	10c
Per oz., 25c; 75c per ¼lb.; per lb., \$2.25		
Zinnia—Giant Robusta (Mixed Colors).....	Pkt.	10c
25c per large Pkt.; per oz., \$1.00		
Aster—Michell's Invincible (Mixed Colors).....	Pkt.	10c
Large Pkt., 40c.		
Nasturtiums—Giant Flowering.....	Pkt., Oz., ¼lb.	lb.
Mixed Tall.....	10c 25c 50c	\$1.75
Dwarf.....	10c 25c 60c	\$2.00

**Henry F. Michell Co., 518 Market St., Philadelphia, Pa.**



# MICHELL'S PHILADELPHIA ESTABLISHMENTS.

The loyal patronage of our trade, coupled with our efforts to please and render service, has made our organization possible. A staff of about 125 employees at our Philadelphia Store and Salesrooms housed in a building 5 stories high, 23 feet wide, at 518 Market Street, 47 feet wide on Ludlow Street 180 feet deep. Our shipping department and part of our warehouses front 67 feet on Ludlow Street. At 19-21-23 Bank Street is located our 4-story warehouse, devoted almost exclusively to the storage of grass seeds.



Bird's Eye View  
MICHELL'S NURSERIES and GREENHOUSES  
Andalusia, Penna.

Our nurseries at Andalusia Bucks Co., Pa., comprise about 50 acres of highly cultivated land, 16 modern greenhouses and about 1500 glass-covered sash frames, with a staff varying from 30 to 45 employees. Our specialties are: Pot-Grown Roses, Perennials, etc.

# DIRECTIONS FOR ORDERING [SUGGESTIONS] [INFORMATION]

## EMPLOYMENT DEPARTMENT

Frequently we have on our register the names of competent Gardeners, Superintendents, Greenskeepers, Coachmen, Farmers and Poultrymen who desire positions. We are always pleased to put them in communication with parties desiring services of such men. We are careful to recommend only reliable persons, and there is absolutely no charge for this service to employer or the one employed. Frederick J. Michell, Jr., is in charge of this department.

### BUSINESS TERMS

We Especially Invite Charge Accounts. A charge account is more convenient than to remit for each order at the time it is sent us; you pay no more for your goods by reason of this accommodation. As to our responsibility, we refer you to Dun's or Bradstreet's Mercantile Agency, or any bank or trust company.

When sending your first charge order, if possible, send us the name and address of some one with whom you already have a charge account. This saves time.

### REGARDS C. O. D. SHIPMENTS

Goods can be sent C. O. D., with the exception of perishable items, which include plants and cold-storage bulbs; these cannot be sent C. O. D. No C. O. D. shipments for any kind of goods can be made by express or freight out of town unless partial remittance accompanies the order. No C. O. D. orders can be accepted for local shipments or delivery where the amount involved is less than \$2.00, except parcel post shipments, for which C. O. D. orders are accepted for amounts of 50 cents or more.

### SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment.

### PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their spring orders for seeds, plants and bulbs during January and February. Shipment need not be made until you want the goods.

### PACKING CHARGES

No charge is made for boxes or packing, except for two-bushel seamless sacks, 65c. each, which are returnable for credit at the price charged.

### PARCEL POST SHIPMENT AT OUR OUR EXPENSE AS FOLLOWS:

We pay postage charges on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (beans, corn, peas and mixed grass seeds are not included), nor such other seeds where mention is made in catalog. If these seeds are wanted by mail, remit for postage at the rates quoted in table opposite.

### OTHER PARCEL POST INFORMATION

In compiling this catalog we have endeavored to give the shipping weights on most sundries, where their nature, size and weight permits their being sent by parcel post. Liquids and poisons are excluded from the mails. Where plants and bulbs are of a nature and weight to permit parcel post shipment, allow for postage in the amount of 15 per cent. of their value. If you remit more than is necessary for postage we will refund the remainder to you.

## HENRY F. MICHELL CO.

HENRY F. MICHELL, Pres. FRED'K J. MICHELL, Vice-Pres.

Salesrooms, Offices and Order Departments

518 MARKET STREET, PHILADELPHIA

Warehouses: 509-511-513 Ludlow Street, 19-21-23 S. Bank Street, Philadelphia

Nurseries and Greenhouses, Andalusia, Pa.

Please address all communications and orders to

518 Market Street, Philadelphia

### TELEPHONE SERVICE

BELL SYSTEM— { 4220 4222 4224  
Lombard { 4221 4223 4225

KEYSTONE SYSTEM— Main { 3600  
3601

### PARCEL POST ZONES AND RATES

Weight in Pounds	Local	1st Up to 50 miles from Phila.	2d 50 to 150 miles from Phila.	3d 150 to 300 miles from Phila.	4th 300 to 600 miles from Phila.	5th 600 to 1000 miles from Phila.	6th 1000 to 1400 miles from Phila.	7th 1400 to 1800 miles from Phila.	8th Over 1800 miles from Phila.
1	\$0.05	\$0.05	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.11	\$0.12
2	.06	.06	.06	.08	.11	.14	.17	.21	.24
3	.07	.07	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10	.09	.14	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26	.18	.30	.30	.56	1.07	1.58	2.09	2.61	3.12
27	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.80
41	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43	.26	.47	.47	.90	1.75	2.60	3.45	4.31	5.16
44	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
45	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51	.30	.55	.55	1.06					
52	.31	.56	.56	1.08					
53	.31	.57	.57	1.10					
54	.32	.58	.58	1.12					
55	.32	.59	.59	1.14					
56	.33	.60	.60	1.16					
57	.33	.61	.61	1.18					
58	.34	.62	.62	1.20					
59	.34	.63	.63	1.22					
60	.35	.64	.64	1.24					
61	.35	.65	.65	1.26					
62	.36	.66	.66	1.28					
63	.36	.67	.67	1.30					
64	.37	.68	.68	1.32					
65	.37	.69	.69	1.34					
66	.38	.70	.70	1.36					
67	.38	.71	.71	1.38					
68	.39	.72	.72	1.40					
69	.39	.73	.73	1.42					
70	.40	.74	.74	1.44					

### Parcel Post Weight Limit

(Note Extension)

The weight limit within the Local, 1st, 2nd and 3rd Zones is seventy (70) pounds, within the other Zones the weight limit is fifty (50) pounds and the size limit eighty-four (84) inches for combined length and largest girth. Poisons and liquids are not mailable.

Packages weighing 8 oz. or less can be forwarded anywhere in the U. S. at a cost of one cent for each two ounces, or fraction thereof.

On shipments weighing 20 pounds or more it is usually cheaper to ship by express.

### IMPORTANT NOTICE—PLEASE READ

Henry F. Michell Company endeavors to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept goods on the above conditions, they can be returned to us within ten days.

Prices are subject to any advances over present prevailing freight rates, customs duties or war tax, and all deliveries are subject to delay, restrictions, embargoes, crop shortages and all conditions beyond our control. All quotations are made and all orders are booked subject to the above conditions.

Merchandise to be credited must be returned within 5 days in good order free of expense to us.



VEGETABLE SEEDS

Table listing vegetable seeds with page numbers. Includes items like Anise, Artichoke, Asparagus, Basil, Beans, Beet, Borage, Broccoli, Brussels Sprouts, Cabbage, Cantaloupe, Caraway, Carrot, Catnip, Cauliflower, Celeriac, Celery, Chamomile, Chervil, Chicory, Chives, Citron, Collards, Coriander, Corn Salad, Corn (Sugar), Corn (Pop), Cress (Water), Cress (Garden), Cucumber, Dandelion, Dill, Egg Plant, Endive, Fennel, Garden Cress, Garlic, Gumbo, Herbs (Seed), Hop Vine, Horse Radish, Kale, Kohl Rabi, Lavender, Leek, Lettuce, Martynia, Mangel Wurzel, Melon, Mint, Mushroom Spaw, Muskmelon, Mustard, Okra, Onions, Onion Sets, Parsley, Parsnip, Peanuts, Peas, Pennyroyal, Pepper, Pe-Tsa, Pop Corn, Potatoes, Potato Seed, Pumpkin, Radish, Rhubarb, Rosemary, Ruta Baga, Saffron, Sage, Salsify, Savory, Shallots, Sorrel, Spinach, Squash, Sugar Corn, Sweet Basil, Sweet Marjoram, Swiss Chard, Thyme, Tobacco, Tomato, Turnip, Water Cress, Watermelon.

FARM, GRASS AND MISCELLANEOUS SEEDS

Table listing farm, grass and miscellaneous seeds with page numbers. Includes items like Corn (Field), Corn (Kaffir), Carfon, Cow Peas, Emmer, Flax, Grass Seeds, Kaffir Corn, Millet, Oats, Peas (Canada), Peas (Cow), Rape (Essex), Rye, Sorghum, Speltz, Sudan Grass, Sugar Cane, Sunflower, Timothy, Vetches, Wheat, Abutilon, Achillea, Aconitum, Acroclinium, African Daisy, Ageratum, Agrostemma, Alyssum, Amaranthus, Ampelopsis, Anchusa, Angemone, Anthoif's, Antirrhinum, Aquilegia, Arabis, Arctotis, Artemisia, Arundo, Asparagus, Asperula, Aster, Auricula, Avena, Baby's Breath, Bachelor's Button, Bachelors Button (Gomphrena), Bardon Vine, Balsam, Balsam Apple, Baptisia, Bartonia, Beans, Begonia, Bellflower, Bellflower (Platyodon), Bellis, Blanket Flower, Biscutella, Boltonia, Botanical and Common Names of Flowers, Brachycome, Briza, Bromus, Browallia, Butterfly Flower, Calceolaria, Calendula, California Poppy, Callitriche, Calliopsis, Campanula, Canary Bird Flower, Candytuft, Canna, Canterbury Bell, Cardinal Climber, Carnation, Castor Beans, Celosia, Centaurea, Centaureum, Chinese Woodflower, Chrysanthemum, Cineraria, Clarkia, Clematis, Cleome, Cobaea, Cockscorn, Coix, Colens, Collections Flower Seeds, Columbine, Cone Flower, Convolvulus, Coreopsis, Cornflower, Cornflower Aster, Cosmos, Cowslip, Cultural Leaflets, Cuphea.

FLOWER SEEDS

Table listing flower seeds with page numbers. Includes items like Cyclamen, Cyperus, Cypress Vine, Dahlia, Daisy, Datura, Delphinium, Dianthus, Dianthus Barbatas, Dictamnus, Digitalis, Dimorphotheca, Dolichos, Dracena, Dusty Miller, Dusty Miller (Cineraria), Echinocystis, Eschscholtzia, Enallia, Eupatorium, Euphorbia, Fern Spores, Feverfew, Forget-Me-Not, Four o'Clock, Foxglove, Gaillardia, Garden Plant, Gentiana, Geranium, Gerbera, Geum, Globe Amaranth, Gloxinia, Godetia, Golden Rod, Gomphrena, Gourds, Grasses, Ornamental, Grevillea, Gynerium, Gypsophila, Helenium, Helianthus, Helichrysum, Heliosis, Heliotrope, Hesperis, Heuchera, Hibiscus, Hollyhock, Honesty, Hop Vine, Hordium, Humulus, Hymenocallis, Hyacinth Bean, Iberis, Ice Plant, Impatiens, Ipomoea, Iris, Japanese Hop, Japanese Ivy, Jerusalem Cherry, Job's Tears, Kenilworth Ivy, Kochia, Kudzu Vine, Lady Slipper, Lantana, Larkspur, Larkspur (Perennial), Lathyrus, Lavender, Lemon Verbena, Leptosyne, Linaria, Linum, Lobelia, Love-in-a-Mist, Lupinus, Lychnis, Marigold, Marvel of Peru, Mathiola, Matricaria, Maudslayi, Mesembryanthemum, Mignonne, Mimosa, Mimulus, Mixed Seed for Wild Garden, Momordica, Monkshood, Moon Flower, Mourning Bride, Morning Glory, Muss Ensete, Musk Plant, Myosotis, Nasturtium, Nemesia, Nicotiana.

FLOWER SEEDS

Table listing flower seeds with page numbers. Includes items like Nicotiana, Nigella, Ornamental Grasses, Pansy, Papaver, Paris Daisy, Pelargonium, Penstemon, Periwinkle, Petunia, Phlox, Physostegia, Pinks, Pink (Dianthus), Platycodon, Polyanthus, Poppy, Portulaca, Pot Marigold, Primula, Pueraria, Pyrethrum, Reseda, Rhodanthe, Ricinus, Rock Cress, Rose of Heaven, Rudbeckia, Salpiglossis, Salvia, Scabiosa, Scarlet Runner Bean, Scarlet Sage, Schizanthus, Sensitive Plant, Shamrock, Shasta Daisy, Smilax, Snapdragon, Snow in Summer, Snow on the Mountain, Solanum, Solidago, Spider Plant, Stevia, Stocks, Stokesia, Strawberry, Sunflower, Sweet Alyssum, Sweet Peas, Sweet Rocket, Sweet Sultan, Sweet William, Thubergia, Torenia, Transvaal Daisy, Tropaeolum, Valeriana, Verbena, Veronica, Vinca, Viola, Wallflower, Wild Cucumber, Wild Flower Garden Mix, Woolflower, Xeranthemum, Ziinnia.

BULBS AND PLANTS

Table listing bulbs and plants with page numbers. Includes items like Artemisia, Artichoke, Asclepias, Asparagus, Asperula, Asters, Astilbe, Aubretia, Baby's Breath, Baptisia, Barberry, Beech, Begonias, Bellis, Berberis, Bigunia, Birch, Blackberries, Broomrape, Boltonia, Boxwood, Brussels Sprouts, Buddleia, Butterfly Bush, Cabbage, Caladium, Calendula, California Privet, Callimeris, Callas, Calycanthus, Campanula, Candytuft, Canina, Caryopteris, Cassia, Cauliflower, Celastrum, Celery, Centaurea, Cerastium, Cerasus, Cereus, Chermis, Chicory, Chionanthus, Chives, Chrysanthemum, Cimicifuga, Cinnamon Vine, Claytonia, Clematis, Clethra, Climbing Plants, Coela, Coleus, Coll. Perennial Plants, Columbine, Coreopsis, Cornus, Coronilla, Cosmos, Currants, Cytisus, Dahlias, Daisy, Delphinium, Deutzia, Dianthus, Diptamnum, Digitalis, Dogwood, Doronicum, Dracena, Echinops, Egg Plant, Elm, Epimedium, Eryngium, Eunonymus, Eupatorium, Euphorbia, Evergreens, Ferns, Feverfew, Forget-Me-Not, Forsythia, Foxglove, Fuchsia, Funkia, Gaillardia, Gentiana, Geranium, Geum, Gladiolus, Grapes, Grasses, Gypsophila, Hedge Plants, Helenium, Helianthemum, Helianthus, Heliosis, Heliotrope, Hellesbor, Hemerocallis, Hibiscus, Hollyhock, Honeysuckle, Horse Chestnut, Hop Vine.

# INDEX TO CONTENTS OF MICHELL'S 1920 CATALOG

BULBS AND PLANTS	BULBS AND PLANTS	IMPLEMENTS, SUNDRIES, ETC.	IMPLEMENTS, SUNDRIES, ETC.	IMPLEMENTS, SUNDRIES, ETC.
Page.	Page.	Page.	Page.	Page.
Horse Radish.....22, 39	Sunflower.....120	Cotton Seed Meal.....170	Lawn Boots.....143	Rubber Sprinklers.....143
Hyacinthus.....132, 133	Sweet Gum.....135	Coupling Parts.....156	Lawn Cleaners.....143	Rubbish Consumers.....143
Hydrangeas.....121	Sweet Potato.....31, 39	Cow Manure.....170, 171	Lawn Guards.....158	Rustic Bark.....155
Hypericum.....121	Sweet William.....127	Cultivators.....140 to 142	Lawn Mowers.....144, 145	Salt.....10, 170
Iberis.....121	Symphoricarpos.....133	Cultivator Teeth.....140 to 142	Lawn Mower Oil.....146	Salt Bricks.....161
Incarvillea.....121	Symphytum.....127	Cut Flower Boxes.....161	Lawn Mower Sharpener.....145	Sand.....161
Iris.....121, 122	Tanacetum.....127	Cyanesg.....172	Lawn Rakes.....148	Saucers.....173
Ismene.....98	Tarragon.....25, 36, 39	Dalmatian Powder.....172	Lawn Sand.....170	Sash.....161
Ivy.....95, 130	Taxus.....134	Dandelion Extractor.....148	Lawn Shears.....147	Saw Horse.....152
Juniperus.....134	Thalictrum.....127	Dandelion Rake.....148	Lawn Shovel and Edger.....147	Saws.....152
Kerria.....132	Thyma.....134	Dickey Duster.....163	Lawn Signs.....158	Scaldecide.....172
Kudzu Vine.....130	Thyme.....36, 139	Dibbles.....150	Lawn Sprinklers.....147	Scale Destroyer.....172
Lantana.....95	Tiarella.....37, 39	Digging Forks.....169	Lawn Trimmer.....144	Scissors.....153
Larch.....135	Tridacna.....127	Disinfectants.....169	Leaf Mould.....161	Scoops.....139, 149
Lathyrus.....123, 130	Trees.....135	Drills.....139 to 141	Leaf Racks.....143	Scrapers.....149, 151
Lavendula.....23, 39, 123	Trillium.....127	Dusters.....163	Lemon Oil.....172	Scraper Drivers.....151
Lemon Verbena.....95	Tritoma.....127	Edger.....147, 149	Lime.....170	Scuffle Hoe.....149
Lettuce.....25, 39	Trollius.....127	Edging Knives.....147	Limestone.....170	Scythes.....146
Liatriis.....123	Tuberose.....98	Egg Boxes.....167	Lime Sulphur.....172	Scythe Handles.....146
Lilacs.....123	Tunica.....128	Emery.....146	Lopping Shears.....152	Scythe Stones.....146
Lilies.....99	Tulip Tree.....135	Extension Pipes.....164	Manure.....170, 171	Seeders.....139 to 141
Lily-of-the-Valley.....122	Umbrella Tree.....135	Feeders.....167	Manure Distributor.....154	Seed Pans.....173
Linden.....135	Valeriana.....128	Fencing.....158, 159	Manure Drags.....149	Shadeline.....161
Linum.....123	Verbascum.....128	Fern Dish Liners.....173	Manure Forks.....150	Shading Cloth.....161
Lobelia.....95, 122	Viable Plants.....39	Fern Pans.....173	Marking Rakes.....148	Shears.....147, 152, 153
Lonicera.....132	Veronica.....96	Fertilizers.....10, 170	Mastic Machine.....155	Shoe Fly.....172
Lupinus.....122	Viburnum.....133	Fertilizer Distributors.....139	Mats.....161	Shovels.....149
Lycnis.....123	Vinca.....96, 128	Files.....146	Measures.....160	Sickles.....146
Lycium.....130	Viola.....128	Pin Tree Oil Soap.....172	Mehler Handy Tools.....149	Sieves.....154
Lycoris.....123	Weeping Willow.....135	Flower Bed Feucig.....159	Melton Nets.....26	Single Trees.....138
Lysimachia.....123	Weigelia.....133	Flower Pots.....173	Milking Pails.....167	Slug Shot.....172
Lythrum.....123	Wistaria.....130	Flower Scissors.....153	Miniature Hotbeds.....160	Snow Shovels.....149
Madeira Vine.....130	Yucca.....128	Forks.....150	Mole Traps.....147	Sod Crushers.....154
Magnolia.....135	Zinnia.....96	Fruit Picker.....154	Mo-Lo.....172	Sod Cutter.....145
Malus.....132, 135		Fumigators.....163	Monkey Wrenches.....151	Sod Lifters.....147
Maples.....95		Fungicide.....172	Moss.....161	Sod Perforators.....143
Marigold.....123		Fungine.....172	Mouse Traps.....163	Sod Tamper.....143
Masticaria.....123		Garden Lines.....151	Mowers.....144, 145	Soil.....161
Mexican Vine.....130		Garden Markers.....160	Mulford Germ.....41, 170	Soot.....170
Milla Biflora.....98		Garden Rakes.....148	Muriate of Potash.....170	Spades.....149
Mint.....23, 39		Garden Reels.....151	Mushroom Spawn.....28	Spading Forks.....150
Monarda.....123		Garden Sets.....149	Nails.....159, 161	Sparrow Trap.....176
Moon Vine.....130		Getz There Soap.....172	Netting.....158	Sprayers.....163 to 165
Mountain Ash.....135		Glass Clamps.....155	Nico Fume.....172	Sprinklers.....157, 169
Mulberry.....135		Glass Cleaner.....161	Nikoteen.....172	Stakes.....162
Myosotis.....95, 133		Glass Cutters.....155	Nitrate of Soda.....170	Stake Fasteners.....162
Nymerbergia.....123		Glazing Cement.....155	Nozzles.....157, 164	Staples.....158
		Glazing Points.....155	Nozzle Holders.....156	Strainers.....163
		Gloves.....152	Oil Cans.....146	Straw Mats.....161
		Grafting Tools.....151	Orchid Baskets.....173	Sulphate of Ammonia.....170
		Grape Bags.....160	Orchid Pans.....173	Sulphate of Potash.....170
		Grape Grinders.....154	Orchid Peat.....161	Sulphate of Copper.....172
		Grape Scissors.....153	Paeony Support.....159	Sulpho Tobacco Soap.....172
		Grass Catchers.....144, 145	Paper.....161	Sulphur.....172
		Grass Edgers.....147	Paris Green.....172	Sulphur Blowers.....163
		Grass Hooks.....146	Paris Green Shakers.....163	Sulphur Candles.....172
		Grass Shears.....147	Peat.....161	Sun Dials.....158
		Gravel Rakes.....148	Pea Trellis.....33, 159	Supports.....159
		Greenhouse White.....155	Pebbles.....151	Syringes.....164
		Grindstones.....139	Persian Powder.....172	Tankage.....170
		Hammers.....151	Phosphate.....170	Tennis Court Markers.....143
		Handles.....149	Picks.....151	Thermometers.....28, 154
		Hand Rollers.....148	Plant Food.....170	Thompson Manure.....170
		Hanging Baskets.....158	Plant Protector.....25	Thrift Juice.....172
		Happy Jack Wind Mill.....153	Plant Stakes.....162	Tinfol.....161
		Harrows.....138, 142	Plant Stands.....160	Tobacco Dust.....172
		Hatchets.....151	Planet, Jr. Tools.....140, 142	Tobacco Soap.....172
		Hay and Feed Cutter.....153	Plant Tubs.....155, 173	Tobacco Stems.....170, 172
		Hay and Pasture Fertilizer.....170	Plant Support.....159	Tomato Support.....159
		Hay Forks.....150	Plow Line Cotton.....151	Toothpicks.....161
		Heaters.....153	Pliers.....151	Torches.....163
		Hedge Knives.....151	Poles.....138, 140, 141	Traps.....147, 153
		Hedge Shears.....152	Post Hole Diggers.....151	Tree Brushes.....151
		Hedge Trimmers.....152	Potato Knives.....31	Tree Canes.....159
		Hellebore.....172	Potato Manure.....170	Tree Labels.....160
		Horn Shavings.....149	Potato Scab Destroyer.....31	Tree Paint.....161
		Horse Rollers.....146	Potato Scoops.....149	Tree Pruners.....152
		Hose.....156	Pots.....173	Trimmers.....144, 152
		Hose Bands.....156	Pot Brackets.....158	Tubs.....155, 173
		Hose Connections.....157	Pot Hangers.....158, 173	Turf Scrapers.....151
		Hose Couplings.....156	Pot Labels.....160	Tree Tanglefoot.....172
		Hose Menders.....156	Poudrette.....170, 171	Trellises.....33, 159
		Hose Mending Outfit.....156	Poultry Supplies.....167 to 169	Trowels.....150
		Hose Reducers.....157	Powder Gun.....163	Turf Lifters.....147
		Hose Reels.....156	Protecting Cloth.....161	Twine.....10, 162
		Hose Washers.....156	Pruners.....152, 153	Vaporizing Lamps.....163, 172
		Hot Beds.....161	Pruning Compound.....161	Vases.....158, 173
		Hot Bed Mats.....161	Pruning Gloves.....152	Vermine.....172
		Hot Bed Sash.....161	Pruning Shears.....152, 153	Vine Nails.....159
		Hovers.....167	Pulverizers.....140, 142, 154	Wall Nails.....159
		Husking Pins.....42, 151	Pumps.....163 to 165	Water Barrels.....143
		Humans.....170	Putty.....153	Water Cans.....157
		Hyacinth Stakes.....162	Putty Distributors.....155	Water Pails.....167
		Hydrant Attachment.....157	Pyrox.....172	Wax Paper.....161
		Hydrometers.....172	Raffia.....10, 162	Weeders.....139, 141, 150
		Implement Handles.....149	Rafia Tape.....10, 162	Weed Guns.....161
		Imp. Soap Spray.....172	Rakes.....148	Weed Killer.....161, 174
		Incubators.....166	Rat Corn.....169, 172	Weed Pullers.....148
		Iron Age Tools.....141, 142	Rat Traps.....153	Wheat Fertilizer.....172
		Insecticides.....172	Readaana Rose Bug Ext.....172	Wheelbarrows.....146
		I X L Compound.....172	Reels.....151, 156	Wheel Hoes.....140, 141
		Kainit.....170	Road Brushes.....147	Window Boxes.....154
		Kerosene Emulsion.....172	Road Scoops.....139	Wire Presses.....155
		Kirke Feeder.....165, 174	Rollers.....146	Wire Work.....159
		Knives.....10, 31, 150, 151	Rolling Stands.....173	Wire Baskets.....162
		Labels.....160	Roofing.....161	Wire Netting.....158
		Ladders.....152	Roofing Paper.....161	Worm Destroyer.....172
		Lamps (Vaporizing).....163, 172	Root Cutters.....153	Worm Eradicator.....172
		Land Plaster.....170	Rubber Aprons.....157	Wrenches.....151
			Rubber Hoses.....156	Zementine.....161
			Rubbish Baskets.....143, 160	Zenolium.....172
				Zinco.....161

# MICHELL'S COLLECTIONS OF VEGETABLE SEEDS

SAVE  
YOUR  
MONEY

SAVE  
YOUR  
TIME

It will be observed that the varieties offered in these collections are such as can be planted as late as most gardening can be undertaken. The "collection idea" of Vegetable Seeds is gaining popular favor rapidly; many persons, even experienced gardeners, do not know the best varieties to order. They often use the same sorts year after year, thus missing some of the better and newer strains of vegetables. These collections have also a decided feature of advantage, as they save time and money; they cover the most popular kinds of vegetables used or desired in every household, and we are sure our customers will find them made up with the thought of being entirely practical.

## SPECIAL NOTICE TO GARDEN CLUBS

These collections will be found very practical for distribution among members of garden clubs, who by adhering to these collections will be able to effect a considerable saving in money over the price charged for the items purchased separately.

## MICHELL'S Dollar Vegetable Garden

(Postpaid anywhere in the United States)

A dollar or more expended on these collections will be found a good investment, because of the value received. It will be noticed below that we offer these in quantities, as some persons may wish to order for their friends who are interested in gardening. These collections are put up in advance of our busy season and we regret that we cannot promise to change them in any way.

The dollar vegetable garden contains a liberal sized packet of each variety noted below, and is really worth more than the price asked:

Beans—Boston Navy.  
Beans—Fordhook Bush Lima.  
Beans—Michell's Improved Strain, Stringless Green Pod.  
Beet—Michell's Winter Keeper.  
Carrot—Orange Beauty.  
Corn—Golden Bantam.  
Corn—Country Gentleman.

Lettuce—Michell's Allright.  
Onion—Winter Keeper.  
Parsley—Double Curled.  
Peas—Michell's Special Ex. Ea.  
Radish—Cardinal Globe.  
Spinach—Bloomsdale Savoy.  
Swiss Chard—Giant Lucullus.  
Tomato—Crackerjack.

The above collection sent postpaid anywhere in the United States (safe arrival guaranteed) for ONE DOLLAR. 6 collections for \$5.50. 12 collections for \$10.00. 25 collections for \$20.00. Mailed to one or more addresses.

## MICHELL'S Country Garden Collection of VEGETABLE SEEDS, \$3.50

Postpaid anywhere in the U. S.

1 Lb. Beans—Golden Wax.  
1/2 Lb. Beans—Fordhook Bush Lima.  
1/2 Lb. Beans—Kentucky Wonder (Pole).  
1 Lb. Beans—Stringless (Green Pod.)  
1 Oz. Beet—Crosby's Egyptian.  
1 Pkt. Cabbage—All Head Early.  
1 Pkt. Cauliflower—Half Early Paris.  
1 Pkt. Carrot—Orange Beauty.  
1 Pkt. Celery—White Plume.  
1 Pkt. Celery—Winter Queen.  
1/2 Lb. Corn—Golden Bantam.  
1/2 Lb. Corn—Stowell's Evergreen.  
1 Pkt. Cucumber—Long Green.  
1 Pkt. Kale—Dwarf Green.  
1 Pkt. Lettuce—All Heart.  
1 Pkt. Lettuce—Romaine.  
1 Pkt. Melon—Honey Dew.  
1 Pkt. Water Melon—Halbert Honey.  
1 Oz. Okra—Dwarf Green.  
1 Pkt. Onion—White Bermuda.  
1 Pkt. Onion—Winter Keeper.  
1 Pkt. Parsley—Double Curled.  
1 Pkt. Parsnip—Hollow Crown.  
1/2 Lb. Peas—Dandy, Extra Early.  
1/2 Lb. Peas—Dwarf Champion.  
1 Pkt. Pumpkin—Winter Luxury.  
1 Pkt. Radish—Cardinal Globe.  
1 Pkt. Radish—Icicle.  
1 Pkt. Ruta Baga—P. T., Yellow.  
1 Oz. Salsify—Sandwich Island.  
1 Lb. Spinach—Bloomsdale.  
1 Pkt. Squash—White Bush.  
1 Oz. Swiss Chard—Lucullus.  
1 Pkt. Tomato—Crackerjack.  
1 Pkt. Turnip—P. T., White, Flat.

The above collection mailed anywhere in the United States postfree for \$3.50. \$6.00 for two collections to one or more addresses.

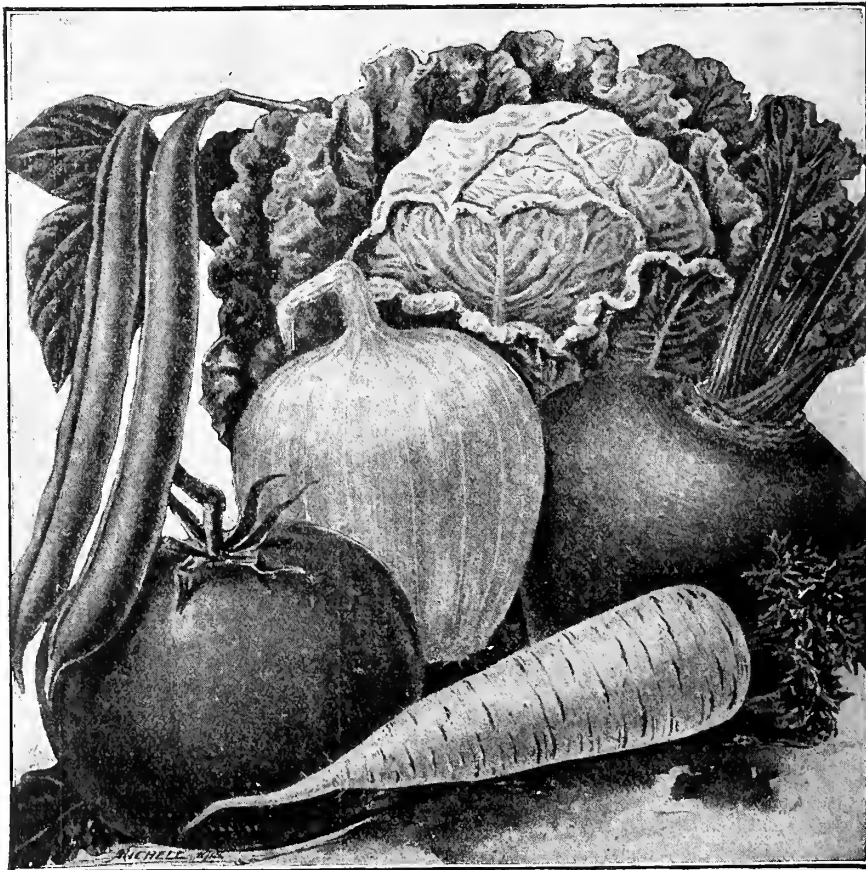
## Michell's Suburban Garden Collection of VEGETABLE SEEDS, \$2.00

(Postpaid anywhere in the United States)

A liberal sized list of the best and most desirable, embracing some of those in the "Dollar Garden" with increased quantity, and with other good ones added. The collection contains:

1 Pkt. Beans—Stringless Green Pod.	1 Pkt. Kohl-Rabi—White Vienna.
1 Pkt. Beans—Golden Wax.	1 Pkt. Lettuce—Kingsholm Cos.
1 Pkt. Beans—Fordhook Bush Lima.	1 Pkt. Lettuce—May King.
1 Pkt. Beans—Pole Lima, King of the Garden.	1 Pkt. Okra—Perkins' Improved.
1 Oz. Beet—Crimson Globe.	1 Pkt. Parsley—Double Curled.
1 Pkt. Cabbage—Ey. Winnigstadt.	1 Pkt. Parsnip—Hollow Crown.
1 Oz. Carrot—Orange Beauty.	1 Pkt. Peas—Abundance.
1 Pkt. Chervil.	1 Pkt. Peas—Special Extra Early.
1 Pkt. Corn—Country Gentleman.	1 Pkt. Pe-Tsai (Chinese Cabbage)
1 Pkt. Corn—Golden Bantam.	1 Pkt. Radish—Cardinal Globe.
1 Pkt. Cress—Double Curled.	1 Pkt. Radish—Icicle.
1 Pkt. Cucumber—Davis Perfect.	1 Oz. Spinach—Bloomsdale.
1 Pkt. Kale—Imperial.	1 Pkt. Swiss Chard—Lucullus.
	1 Pkt. Turnip—Snowball.

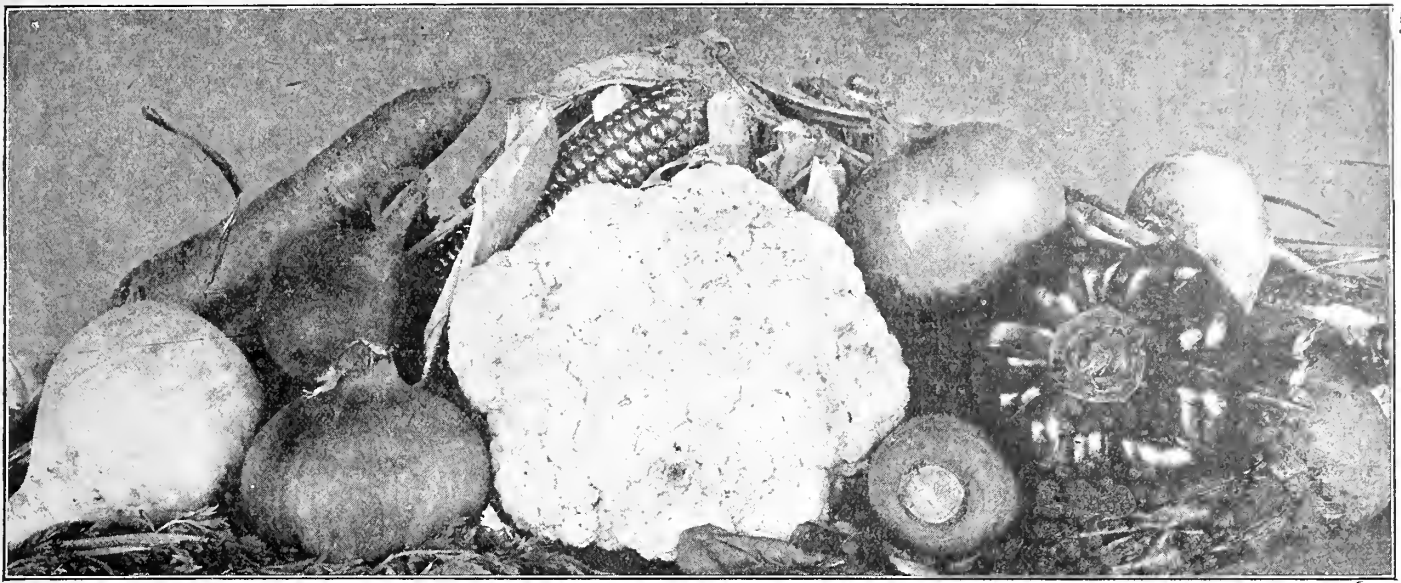
The above collection mailed postpaid anywhere in the United States for \$2.00. \$5.50 for 3 collections to one or more addresses. No charge can be made in the above collection, as same are put up in advance of our busy season.



These collections are mailed postpaid at prices quoted.

(oe)





In gardening season, it's some real satisfaction to go out and bring in a collection of fresh-picked, luscious vegetables; it's away ahead of what you can get from the corner grocer or greensman. Besides, we needn't tell you how healthy it is to garden and work in the soil, while the reward is big in returns of profit and vigor.

# MICHELL'S \$5.00 Garden Collection of VEGETABLE SEEDS

EXPRESS PREPAID OR BY PARCEL POST TO ANY ADDRESS IN THE U. S.

This is a very complete assortment, and will meet the needs of most any suburbanite or country gardener. It will furnish a supply from the moment fresh vegetables are possible until the beginning of the following season. The quantities are liberal and the varieties and assortment have been carefully selected. The description of the varieties will be found in the body of this catalog in alphabetical order.

- 1 Lb. Beans—Currie's Rust-Proof Wax (Yellow Pod).
- 1 Lb. Beans—Early Mohawk (Green Pod).
- 1/2 Lb. Beans—Fordhook Bush Lima.
- 1 Lb. Beans—Michell's Evergreen Pole Lima.
- 1 Oz. Beet—Bastian's Half Long (for winter).
- 1 Oz. Beet—Eclipse (Early).
- 1 Pkt. Brussels Sprouts.
- 1 Oz. Carrot—Danvers.
- 1 Pkt. Carrot—French Forcing.
- 1 Pkt. Cauliflower—Snowball.
- 1 Pkt. Celery—Easy Blanching (Early).
- 1 Pkt. Celery—Winter Queen (Late).
- 1 Pkt. Chervil—For garnishing.
- 1 Pkt. Chicory—Witloof.
- 1/2 Lb. Corn—Country Gentleman (Medium)
- 1/2 Lb. Corn—Golden Bantam (Early).
- 1/2 Lb. Corn—Stowell's Evergreen (Late).
- 1 Pkt. Cucumber—Davis' Perfect.
- 1 Oz. Cress—Extra Curled Garden.
- 1 Pkt. Endive—Giant Fringed.
- 1 Pkt. Each of 5 varieties Kitchen Herbs.
- 1 Oz. Kale—Imperial (Winter Greens).
- 1 Pkt. Kohl Rabi—White Vienna.

Gentlemen:

We have been more than satisfied with your stock and service. You will hear from us quite frequently.

L. C. S. & Sons.

- 1 Pkt. Leek—Carentan (For flavoring soups, etc.)
- 1 Pkt. Lettuce—May King (Early).
- 1 Pkt. Lettuce—Romaine, or Kingsholm Cos.
- 1 Pkt. Lettuce—Salamander (Summer).
- 1 Pkt. Muskmelon—Honey Dew.
- 1 Pkt. Muskmelon—Rockyford.
- 1 Oz. Okra or Gumbo—Perkins' Improved.
- 1 Pkt. Onion—White Bermuda.
- 1 Pkt. Onion—Michell's Winter Keeper.
- 1 Pkt. Parsley—Double Curled.
- 1 Lb. Peas—Michell's Special Early.
- 1 Lb. Peas—Dwarf Champion (Late).
- 1 Lb. Peas—Gradus (Early).
- 1 Pkt. Pumpkin—Japanese Pie.
- 1 Pkt. Radish—Cardinal Globe.
- 1 Pkt. Radish—Long Scarlet.
- 1 Pkt. Radish—White Box.
- 1/2 Lb. Spinach—Bloomsdale.
- 1 Pkt. Squash—Hubbard (Winter).
- 1 Pkt. Squash—White Bush (Early).
- 1 Oz. Swiss Chard—Giant Lucullus.
- 1 Pkt. Water Melon—Tom Watson.

Dear Sirs:

Please let me tell you of the pleasure I have had in results from everything purchased of you, and I wish to thank your salesmen for their prompt attention and many courtesies, even with the smallest order.

Mrs. O. L. C.

The above Garden Collection sent prepaid anywhere in the United States for \$5.00.

## HYBRIDIZED POTATO SEED

Millions never saw a Potato Seed Ball. Thousands have tried in vain to get the seed. Now is your opportunity. This unrivaled seed will produce an endless variety of new kinds. They are as easy to grow as tomatoes.

It is from these that ALL valuable new varieties of Potatoes are produced.

Growing new and distinct Seedling Potatoes from the Seed-Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The product will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer and gardener should plant a few packets. Full directions on every packet.

These rare and curious seeds—from the seed balls—will produce white, yellow,

pink, red, blue, purple, variegated and black potatoes. Often 50 to 200 in a hill. Of shapes, types and qualities innumerable. Early and late, strange freaks, etc. Some may be of no value, while in every batch you are sure to find some tubers with real merit.

Read these extracts from customers' letters to the hybridizer of this potato seed:

"I grew 101 potatoes from one plant of your potato seed. Every plant was a different variety." Mrs. Ellen Keener.

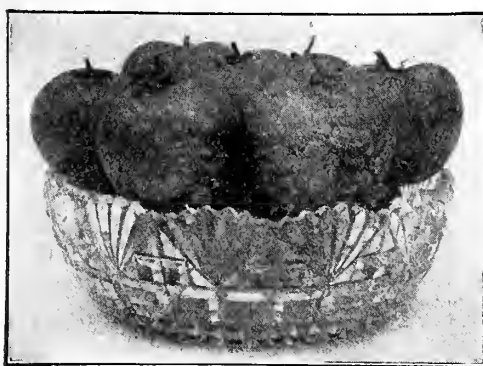
"I raised 50 hills from one packet; many kinds and colors; some early, some late; 94 potatoes in one hill." J. H. Skinner.

"Your remarkable potato seed produced white, pink, red, purple, blue, cream, russet and black potatoes." W. M. Johnson.

"Your potato seed is a wonder. I grew 115 different varieties from one packet—the finest I ever saw." C. E. Flint.

"I grew 45 pounds of seedling potatoes from one packet. I expect wonders from them next year." Thomas Lucas.

Packet, 15c.; 2 for 25c.



Seed Potato Balls

# 6 MICHELL'S VEGETABLE SEED SPECIALTIES

In line with our usual custom, we have taken from our general list certain specially meritorious varieties of vegetable seeds, to which we call on pages 6 to 9, special attention. Planters will do well to include these sorts (as well as the novelties included in the list) in their seed order.

## NEW DWARF GREEN BEAN, "MASTERPIECE" (Stringless)

This is a large, flat-podded variety, especially adapted for growing under glass, though it may be grown successfully outdoors; a very quick grower; plants robust; very prolific; pods long, handsome and very tender. Pkt., 15c.; 45c. per lb.; 2 lbs., 80c.; \$1.85 for 5 lbs.; 10 lbs., \$3.50.

## "WILSON'S IMPROVED" BUSH LIMA BEAN

Claimed to be two weeks earlier than Burpee's Improved Bush Lima. Surely a most important feature in any lima bean, because it is from the early-maturing garden products that money, or at least the most of it, is made. It is also much more prolific than the Burpee's Improved, though neither pod nor bean is quite as large; the latter we believe to be rather an advantage. It is our belief that when this variety is properly known it will meet with general favor. Be sure and plant a supply of them if you want the latest in Bush Limas. Pkt., 15c.; 50c. per lb.; 2 lbs., 85c.; \$2.00 for 5 lbs.; 10 lbs., \$3.75; \$8.75 for 25 lbs.

**BEAN—POLE LIMA—Michell's Evergreen.** (See illustration on page 8.) A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt., 15c.; 50c. lb.; 2 lbs. for 95c.; \$2.25 per 5 lbs.; 10 lbs., \$4.25; \$10.00 per 25 lbs.

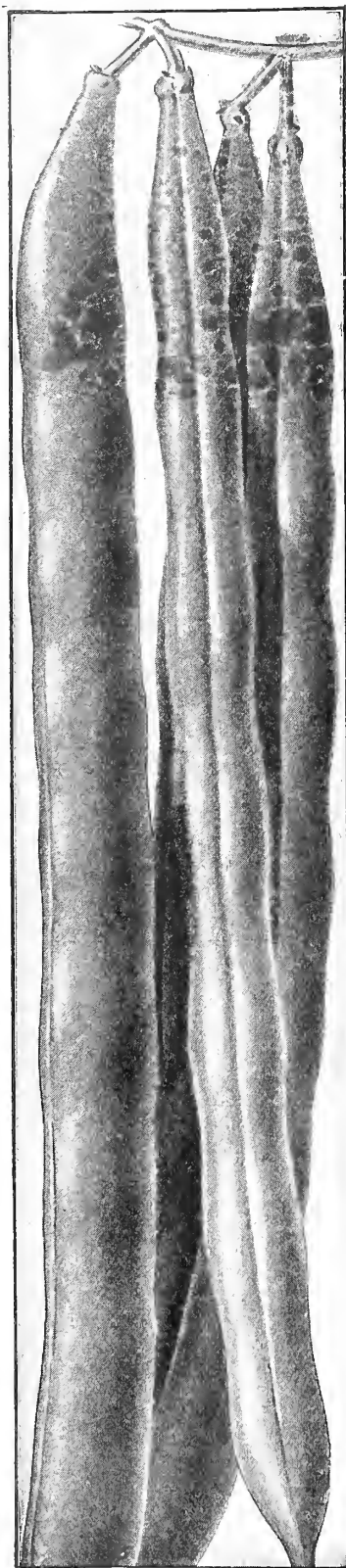
**BEAN—POLE LIMA—Giant Podded.** This variety produces pods frequently 8½ inches long, which are well filled with tender beans, and are of a most delicious flavor when cooked. Its producing qualities are phenomenal; combines a vigorous growth with numerous laterals, which yield quantities of pods in clusters, usually as many as 8 pods. These stand out well from the foliage, so that they can easily be picked. In this variety it is recommended to leave but 2 or 3 stalks to the pole. Giant Podded Pole Limas bear well up to frost. 15c. per pkt.; per lb., 45c.; 85c. for 2 lbs.; 5 lbs., \$2.00; \$3.75 per 10 lbs.; \$8.00 for 25 lbs.

**BEAN—Triumph of the Frames.** For forcing or planting outdoors. The earliest of the French forcing sorts; the plants grow dwarf and compact, and produce a mass of long, well shaped pale green pods, which are thick and of excellent tender quality. Pkt., 15c.; per ½ lb., 50c.; \$1.00 per lb.

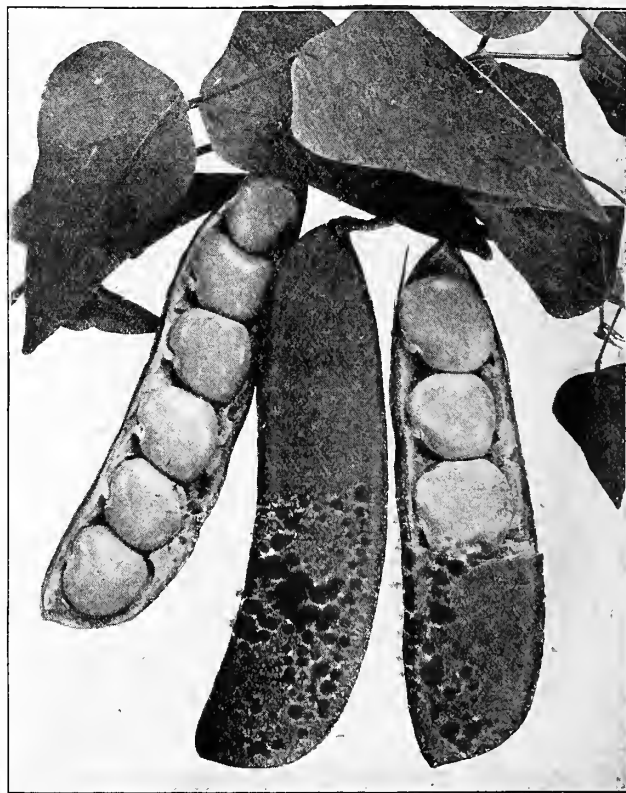
**BEET—Michell's "Winter Keeper."** This grand new beet is almost globe shaped, tapering slightly toward the root. The dark blood red flesh is always tender. The hard, stringy, wooden-like substance, so common in many varieties, is entirely absent in this sort. It is ideal as a late summer cropper, or for use during winter and spring, until new beets are on the market again. Pkt., 10c.; 25c. per oz.; ¼ lb., 85c.; \$3.00 per lb.

### TESTIMONIAL ON MICHELL'S WINTER KEEPER BEET

Wheeling, W. Va.  
Please mail me at once—  
Michell's Winter Keeper Beet.  
I had a trial of these the past  
spring, and want to say that I  
never had such good-tasting  
beets before. I have some grow-  
ing now for my winter supply,  
but I want to be sure of my  
seed for next season, so I can  
also give my friends a taste of  
them. The color and flavor of  
this variety is positively not to  
be beaten. MAX L. HESS.



Bean—Masterpiece



Bean—Wilson's Improved Bush Lima

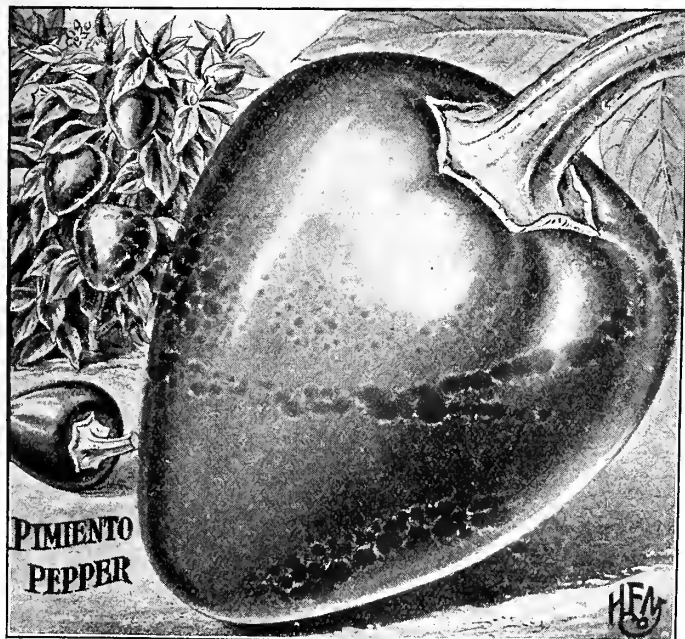


## PE-TSAI (Chinese or Celery Cabbage)

The American gardener as well as housewife will hesitate, in thinking, that anything of Chinese origin would be suited to their taste. This, however, is not the case with the Chinese Cabbage. The plant is of upright growth, about 15 inches high, sometimes more, sometimes less, soil conditions governing. It resembles in appearance and growth a head of Cos Romaine or Celery Lettuce, but possesses the attractive curly feature of Silesian Lettuce, and a broad, wide rib. The heads are very firm, almost like Cabbage. The flavor is delightful, not at all like Cabbage, but rather on the order of Witloof Chicory or French Endive. It may be served like lettuce, tasting better with salad dressing, or it makes excellent Cold Slaw when it is prepared exactly as one would prepare Cold Slaw from Cabbage. It may also be cooked as one would Cabbage, the flavor somewhat resembling Cauliflower. It can be planted as a spring or autumn crop; for latter the seed is sown in July. The head does not become as high then as when sown in spring, and is adapted in that season rather as a Lettuce than as Cabbage. May be forced readily in cold frame. We are convinced that this vegetable will become popular very shortly. The small plants are handled much like Lettuce, except that they should be set out from 15 to 18 inches apart, the rows 2 to 2½ feet apart. They prefer naturally low or moist garden soil, although they will thrive in almost any soil conditions. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

## PEPPER—Pimiento

A sweet species without any trace of burning when eaten alone or used in the preparation of other dishes. The plant is compact and uniform in growth, while the fruits are perfectly smooth and attractive. When fully ripe they are bright red, although they can be used in the green state. For slicing on tomatoes, salads, etc., they are delicious; used stuffed and baked, they are equally pleasing. This may be considered one of the best peppers for the home garden. Pkt., 10c.; 30c. per ½ oz.; per oz., 60c.; \$2.00 per ¼ lb.



## MELON—Delicious Gold Lined

Every one who relishes canteloupes appreciates a good Rockyford melon. "Delicious Gold Lined" is an improved strain of the former. The fruits are medium in size, uniformly oval, while the vines are wonderful resisters of most diseases that attack canteloupes. It is an early maturer and extremely prolific; heartfully netted a light gray. The flesh is green, edible to the rind, while the small seed cavity is surrounded by a tint of light orange overlying the inner part of the fruit. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.25 per lb. (See illustration, page 26.)



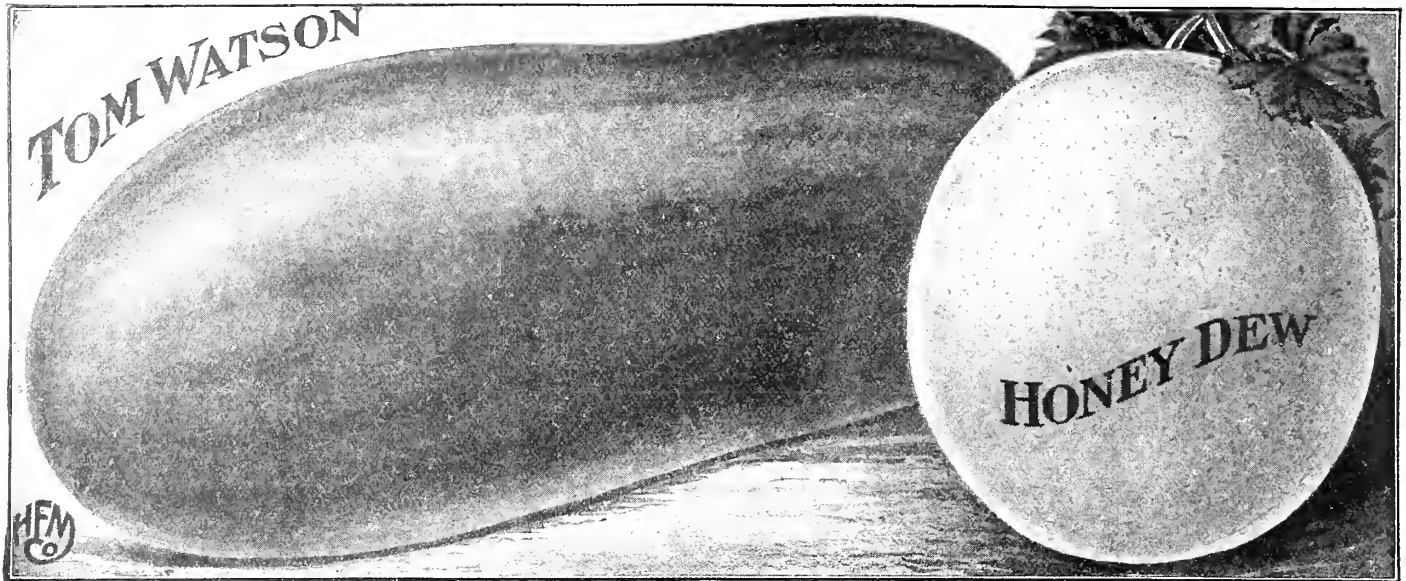
## CELERY—Michell's Easy Blanching

This variety, without exception, is probably the most important celery introduction in recent years. The bunch photographed, from which the illustration above was made, weighed, October 2d, 13½ lbs., measuring about 15 inches through in breadth and about 30 inches high, and realizing that it had at that time fully 30 days to grow and develop, it can instantly be appreciated that it is a remarkable variety. The stalks are broad, fine grained and crisp, with a big heart that blanches a beautiful white with yellow leaf tips. As a celery for early autumn and Thanksgiving, we believe it has no equal. Pkt., 10c.; 40c. per ½ oz.; oz., 75c.; \$2.50 per ¼ lb.

## MELON—Honey Dew

(See illustration on page 8.)

The original seed of this came from Africa, was planted in Rockyford, Colorado, and crossed with the famous Rockyford Melon. It is offered extensively in the Philadelphia markets as late as November, and commands big prices. It might easily be termed a family melon, because one is large enough for a number of people. It is in size about six inches in diameter and from seven to eight inches long. The skin is smooth, with an occasional net, creamy white. The thick flesh is emerald green, melting and of a wonderfully delicious flavor, sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using; in fact, they can be placed in cool storage and kept until Christmas. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 85c. per ¼ lb.



One of these splendid melons is offered on page 7.

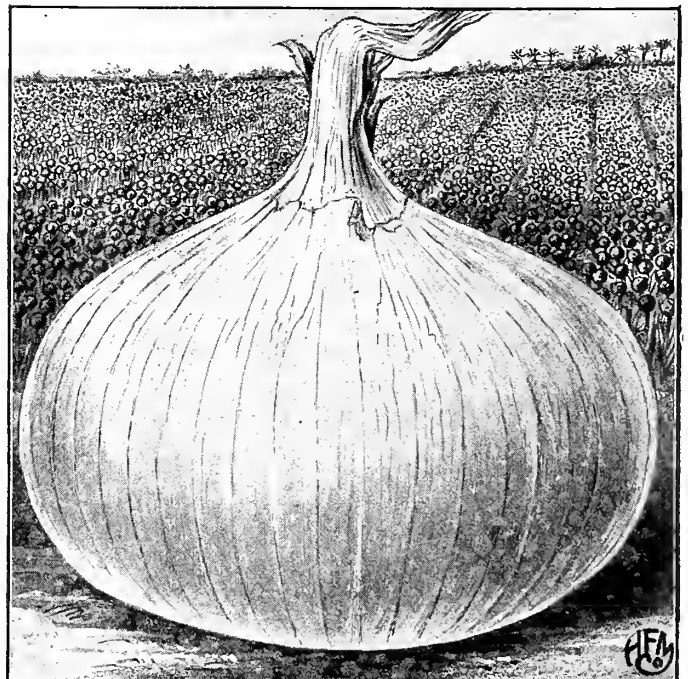
### WATERMELON—Tom Watson

When first introduced a few years ago this variety was heralded as the best yet, and undoubtedly it still deserves this distinction. A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. The interior is solid meat, with no cavity or core, while the flesh extends closer to the rind than most other sorts. Nothing can touch it in the melon line for shipping qualities; the rind being tough it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 45c.; \$1.25 per lb.

### ONION—Michell's White Bermuda

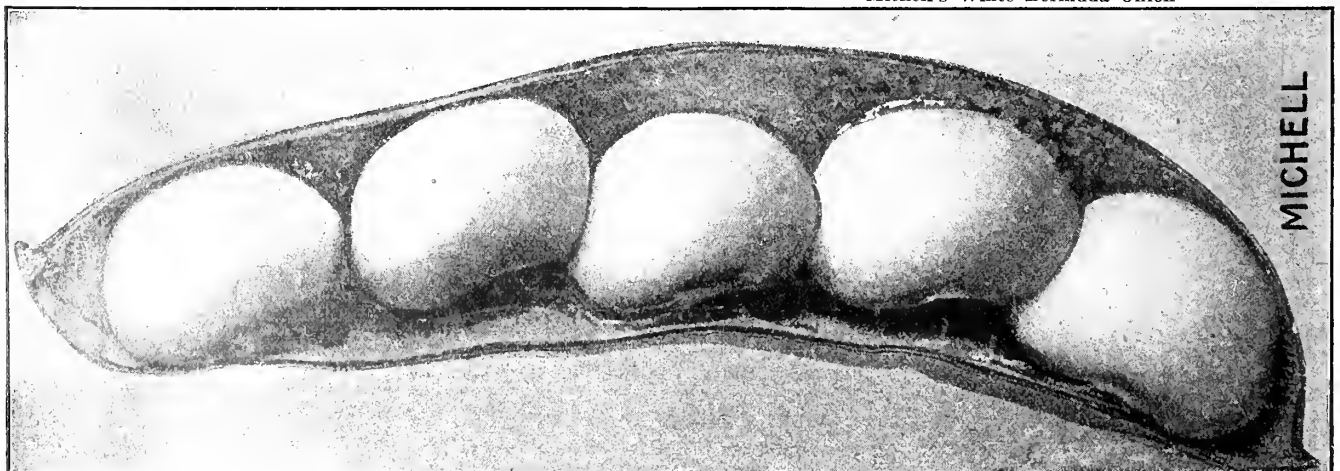
(Illustration is about two-thirds natural size.)

Many people who garden like to sow onion seed that will produce a full-sized onion the first season. The White Bermuda variety combines this feature, in addition to being extremely large, mild-flavored and of wonderful uniformity. For boiling, eating raw on sandwiches, or as garnishing on green salads, it is unquestionably good. To get the best results, the seed should be sown in a bed thinly. When about 3 or 4 inches high, transplant the seedlings in rows about  $1\frac{1}{2}$  feet apart and about 4 or 5 inches apart in the row. A dull day is best for this, when the soil is moist, to insure the seedlings establishing themselves readily. Prior to planting the top should be nipped off, so that the plants will stand about  $2\frac{1}{2}$  inches high. This variety, like all onions, delights in rich soil. They should be well cultivated during the growing period, and when the seed heads appear the plant should be bent over to develop the bulb. Pkt., 10c.; 25c. per  $\frac{1}{2}$  oz.; oz., 40c.; \$1.15 per  $\frac{1}{4}$  lb.; lb., \$4.00.



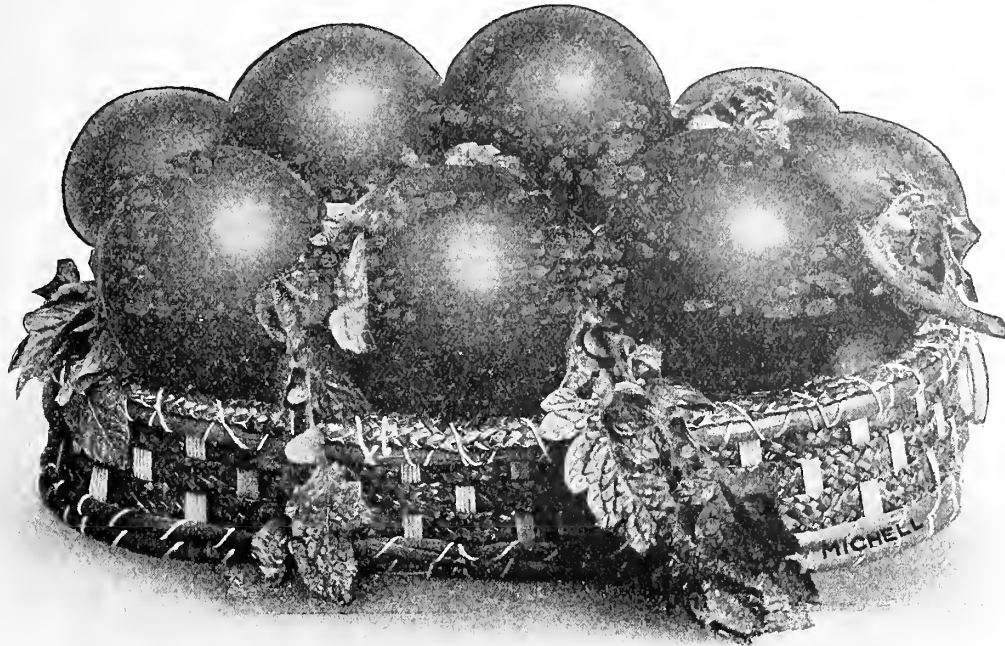
Michell's White Bermuda Onion

Michell's "Evergreen" Pole Lima, offered on page 6, is undoubtedly the best all-around and most prolific pole lima bean in cultivation today.



All prices subject to change without notice.

(oe)



Tomato, Michell's Early Red Wonder. (See first cover page)

## TOMATO—Michell's Early Red Wonder

This variety is the result of a cross between **My Maryland** and **Magnificent**, though it also contains some blood or strain of **Sunnybrook Earliana**, which feature it possesses for earliness; it takes after "My Maryland" for shape and uniformity, and "Magnificent" for great yield. It originated with Mr. W. E. Vail, of Yorktown Heights, Westchester County, N. Y. He has been watching it for a number of years, and finally, thinking so well of it, he asked us if we would not place it on the market, with the right to name it, which we are doing, and we believe the name does it justice. Our

stock of seed is so limited that we really can only offer it in original packets, retaining, as we have, just enough seed for producing stock for another season. The fruits are fairly large, extremely solid, and of a beautiful "tomato red color;" it is a shy seeder, therefore very solid. At first we intended to hold it over for another season, but as most everyone likes the best and latest in tomatoes, we decided to put it out this season. It is a wonderful market variety, being uniform in shape, and, in fact, it possesses about every good attribute that a tomato can have. It is medium early (not extra early), but a winner, and we know you will like it. It is a tomato we believe that can be successfully grown anywhere that tomatoes will grow. In original pkts., only 25c. per pkt.



Witloof Chicory (in growth)

## NEW DWARF EARLY TOMATO, "JOHN BAER"

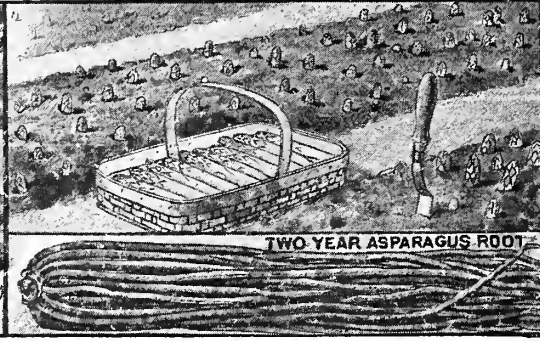
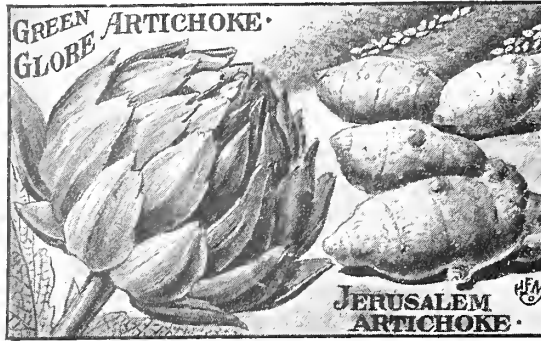
The chief value of this variety lies in its extreme earliness; it was introduced about four years ago and sold readily at \$1.00 per packet of a few seeds. It is gradually becoming very popular. It grows in a dwarf, compact, almost tree form, and frequently has small ripe fruits on the plant while yet in pots indoors awaiting transplanting into the garden. It is medium in size, very smooth and uniform, and of a bright red color. As a distinct novelty in early tomatoes we can recommend it, although it is not a heavy yielder. Pkt., 10c.; 30c. per 1/2 oz.; 50c.; \$1.75 per 1/4 lb.

## WITLOOF CHICORY ROOTS

Every year we find an increasing demand for some of the French (Endive) Salad roots; the salad which is served at all the leading hotels and restaurants under the name of Endive, and is most popular with all lovers of salads in their homes. Most of the French winter salads are varieties of Chicory. A continuous supply of this delicious winter salad may be had from December to April. Used also as a winter vegetable, the top part only being edible, it can be boiled whole and served "braised," the same as celery.

Plant under a bench in the greenhouse, or dry, warm portion of a cellar in a bed of rich garden soil about 12 inches deep, according to the length of the roots; place close together and keep dark, so the tops will blanch and not open or separate, and the top growth remains intact, as the illustration shows. It may be cut any time after 5 inches' growth, or before the heads begin to expand. Roots should be set in the soil six inches below the surface. A cold frame also makes an ideal place for forcing them in the late winter or early spring months.

Price. strong roots. 75 cents per doz.; per 100, \$5.00.



**ANISE**

ANISE. Pkt., 10c.; 15c. per 1/2 oz.; oz., 30c.

**ARTICHOKE**

Artichaut (Fr.); Artichoke (Ger.); Alcachofa (Ital.) One ounce will produce about 500 plants. Sow seeds in January in the greenhouse, or in hot-beds in March. Transplant when large enough, in rows 3 feet apart, 2 feet apart in the row. Cultivate when growing, freely, and protect the plants in winter by taking them in a cellar or putting them in a cold frame, or they may be left outdoors protected by straw in a climate that is not too severe. Artichokes if properly cared for last for several years.

Green Globe. Pkt., 10c.; 35c. per 1/2 oz.; 1 oz., 65c.

**ARTICHOKE PLANTS**

(Ready in April)

Green Globe. We grow a large stock of these, for those who do not care to bother with them from seed; thus they can be assured of an early crop. Pot grown, \$1.75 per doz.; 25 for \$3.00; \$10.00 per 100 (by express).

**ARTICHOKE ROOTS**

Jerusalem (Ready in April.)

Sometimes called the American Artichoke. Used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. 30c. per qt.; peck, \$1.50; \$5.00 per bu. of 60 pounds.

**ASPARAGUS**

Asperges (Fr.); Spargel (Ger.); Esparrago (Ital.) Sow 5 lbs. per acre for roots, or 1 oz. to 100 feet.

Asparagus grows easily in almost any good soil, but best results are obtained in well-enriched, deep, sandy loam. A well-cared-for bed improves with age and lasts for many years. It may be established from seed, but much time is saved by planting roots. Seeds should be sown thinly in early spring in rows 1 foot apart. Thin out the weakest plants so the remainder will be 4 inches apart. When 1 year old transplant in the permanent bed in rows 3 ft. apart, setting the roots 1 ft. to 1 1/2 ft. apart, from where it can be cut three years later. "Michell's Leaflet on Asparagus Culture" gives full information and is mailed free.

Michell's Giant Argenteuil (Special Strain). Of all the varieties that we have extensively tried this has been found to excel, both from a point of productiveness, tenderness, earliness and resistance to diseases. In size it is a giant. A marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. It is the one variety that succeeds well in all soils and climates. Color, white, with a greenish purple tip. Pkt., 10c.; 15c. per oz.; 1/4 lb., 40c.; \$1.25 per lb.

Barr's Mammoth. Produces heavy, stout spears, of delicious flavor. Remains green when cooked. A very popular sort. Pkt., 10c.; 15c. per oz.; 1/4 lb., 30c.; 75c. per lb.

Conover's Colossal. A prolific sort, similar to Barr's Mammoth, but the stalks are a trifle larger and lighter in color. Pkt., 10c.; 15c. per oz.; 1/4 lb., 30c.; 75c. per lb.

Palmetto or Eclipse. One of the earliest; very prolific and finely flavored. Color, green. Pkt., 10c.; 15c. per oz.; 1/4 lb., 30c.; 75c. per lb.

**ASPARAGUS ROOTS**

(Ready after March 1st)

4000 to 6000 roots are required for an acre, according to the distance set apart.

	2-Year-old Roots.		
	Doz.	100	1000
Barr's Mammoth	\$0.30	\$1.50	\$10.00
Conover's Colossal	.30	1.50	10.00
Giant Argenteuil	.30	1.50	10.00
Palmetto or Eclipse	.30	1.50	10.00
	3-Year-Old Roots.		
	Doz.	100	1000
Barr's Mammoth	\$0.40	\$2.00	\$15.00
Conover's Colossal	.40	2.00	15.00
Giant Argenteuil	.40	2.00	15.00
Palmetto or Eclipse	.40	2.00	15.00

**ACCESSORIES TO ASPARAGUS GROWING**

Raffia Tape. A linen and paper composition in 250-yard spools; Nile green color, 85c. per bolt.

Asparagus Tape. Fast cherry red color, waterproof; in 1000-yard spools. Per spool, \$6.00.

Raffia. Ideal for tying asparagus in bunches, in a neat manner.

Natural, 40c. per lb.; 5-lb. lots at 37 1/2 c. per lb. Green, per lb., \$1.50.

Jute Twine. For tying asparagus, 2, 3 and 5-ply, in balls, soft and pliable. Per ball, 25c.; 50c. per lb.

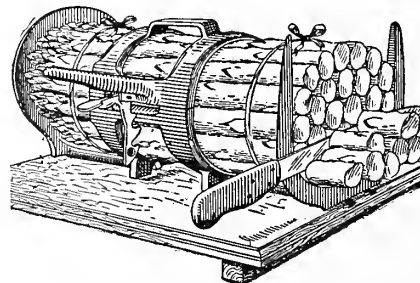
Asparagus Salt. Applied in the spring for destroying weeds, 600 to 800 lbs. per acre. \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$27.50 per ton.

Asparagus Fertilizer. Compounded after a formula recommended by a leading asparagus grower; apply 600 lbs. per acre. In 200-lb. bags, \$6.50; \$55.00 per ton.



**ASPARAGUS KNIVES**

- No. 45. Asparagus Knife, Bateman's ..... \$0.50
- No. 399. Asparagus Knife, American. V-shaped blade; short handle..... .60
- No. 399. Asparagus Knife, American. V-shaped blade; long handle..... .75



**ASPARAGUS BUNCHER**

It pays to use a buncher. Asparagus is quickly tied and looks uniform. With Knife Guard, \$3.50.

A Book, entitled **Asparagus Culture**, by Hexamer, will solve any of the problems that may arise in growing this crop. Price, 75c., postpaid.

# MICHELL'S DWARF BEANS

Haricots Nains (Fr.); Buschbohnen (Ger.); Faginoli Nani (Ital.)

## NOTE—Change of Custom in Ordering

During the past few years the pound unit or system has taken the place of the pint, quart, peck and bushel system, so that it is now recognized as the proper quantity basis unit. We, too, have changed our method and are offering Beans, Sugar Corn and Peas by the pound instead of by the pint, quart, peck and bushel.

Plant 90 lbs. per acre. Two lbs. will plant a 100-foot row.

## By Way of Comparison

1 lb. equals about 1 pint. | 2 lbs. equal about 1 quart.  
5 lbs. equal about 2½ quarts. | 10 lbs. equal about 5 quarts.  
Should you still desire to order by the quart, peck or bushel system, you may do so, and we will send the quantity nearest in pounds thereto. For each quart you desire allow two pounds in weight.

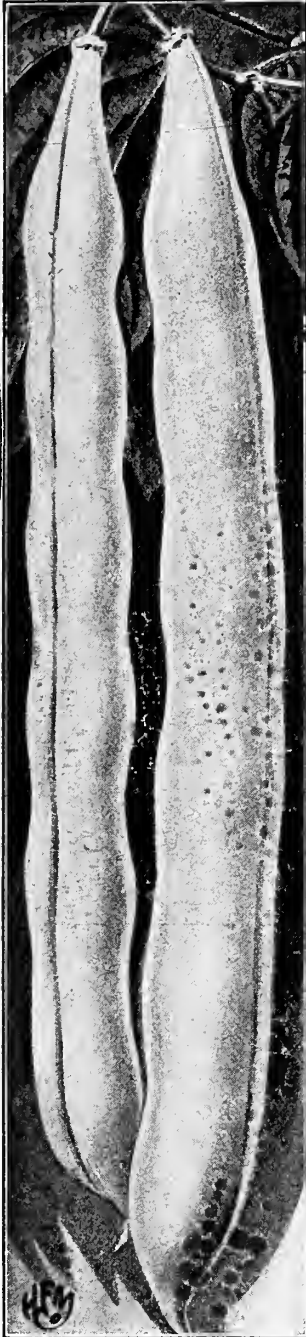
If desired by mail, add postage at the rate of 5c. per lb.

## GREEN PODDED VARIETIES

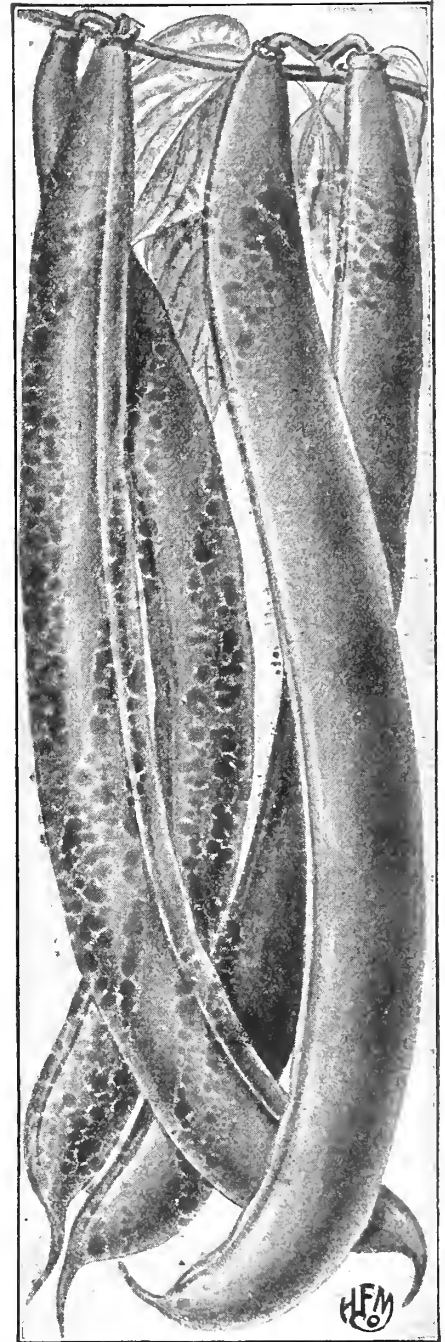
- Black Valentine.** Pods very long and slender, semi-round and well-flavored, slight string when old. 35c. per lb.; 2 lbs., 65c.; \$1.60 per 5 lbs.; 10 lbs., \$3.00; \$6.50 per 25 lbs.
- Early Mohawk.** This variety can be planted before any other sort, being quite hardy; large cropper; flat pod. 35c. per lb.; 2 lbs., 65c.; \$1.60 per 5 lbs.; 10 lbs., \$3.00; \$6.50 per 25 lbs.
- Extra Early Refugee.** An extremely early, fleshy, saddle-back pod variety; slight string as it ages. 40c. per lb.; 2 lbs., 75c.; \$1.75 per 5 lbs.; 10 lbs., \$3.25; \$6.50 per 25 lbs.
- Full Measure.** A prolific stringless variety of excellent quality and great merit. 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.25 per 25 lbs.
- Mammoth Stringless.** An improvement on Burpee's Green Pod; early round pod, free from string and, while not so prolific, makes a much larger pod. 35c. per lb.; 2 lbs., 65c.; \$1.60 per 5 lbs.; 10 lbs., \$3.00; \$6.50 per 25 lbs.
- Masterpiece (Stringless).** This is a large, flat-podded variety, especially adapted for growing under glass, though it may be grown successfully outdoors; a very quick grower; plants robust; very prolific; pods long and very tender. Pkt., 15c.; 45c. per lb.; 2 lbs., 80c.; \$1.85 per 5 lbs.; 10 lbs., \$3.50.
- Red Valentine.** (Michell's Improved.) A carefully selected stock of this well-known variety; its popularity is due to the fact that it is one of the earliest sorts, maturing often in 45 to 50 days. 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.25 for 25 lbs.
- Stringless Forcing.** For culture under glass or for outdoor planting; the pods are long, slender, and round in shape; it grows dwarf and compact, and is a heavy yielder. 45c. per lb.; 2 lbs., 80c.; \$1.75 per 5 lbs.; 10 lbs., \$3.25.
- \*Stringless Green Pod (Michell's Improved Strain).** Even when the pod has become quite old it still retains its stringless qualities. It recommends itself also by its extreme earliness, prolific and continuous bearing qualities and superior flavor. Can be planted successively through the season; round pods often seven inches long. The leading sort for the home or market garden. 20c. per ½ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.50; \$2.75 per 10 lbs.; 25 lbs., \$6.25.

## WAX OR YELLOW-PODDED VARIETIES

- These should not be planted quite as early as the green varieties; they being more tender are liable to rot.
- Black Wax (Pencil Pod Strain).** A round-podded, hardy sort, entirely stringless, very early. 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.25 per 25 lbs.
- Currie's Rust-proof Wax.** An improved type; extra early; a tremendous yielder, with long, thick, flat pods. 40c. per lb.; 2 lbs., 70c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.50 per 25 lbs.
- \*Golden Wax Rust Proof (Michell's Improved Strain).** This type far surpasses the old favorite in many points; the plants are very vigorous and rust-resisting. The thick, flat, stringless pods are formed quite early and in great profusion. 25c. per ½ lb.; lb., 40c.; 75c. per 2 lbs.; 5 lbs., \$1.75; \$3.40 per 10 lbs.; 25 lbs., \$6.75.
- Round-Podded Kidney Wax.** A vigorous grower, producing very fleshy pods, entirely stringless and rust-proof; very early. 45c. per lb.; 2 lbs., 85c.; \$2.15 per 5 lbs.; 10 lbs., \$3.75; \$8.25 per 25 lbs.
- Refugee Wax.** Round-podded, entirely stringless and of exceptional flavor. 40c. per lb.; 2 lbs., 75c.; \$1.75 per 5 lbs.; 10 lbs., \$3.40; \$7.00 per 25 lbs.



Improved Strain Golden Wax



Black Valentine

**Sure Crop Stringless Wax.** Very early and productive and very hardy, resisting rust and disease with impunity. The pods are long, thick and flat; it is a splendid variety. 40c. per lb.; 2 lbs., 75c.; \$1.75 per 5 lbs.; 10 lbs., \$3.40; \$7.00 per 25 lbs.

**Wardwell's Kidney Wax.** A favorite market bean; bears very long, thick, flat pods in great abundance; one of the best medium early sorts; excellent quality; free from rust. 45c. per lb.; 2 lbs., 80c.; \$1.90 per 5 lbs.; 10 lbs., \$3.50; \$8.00 per 25 lbs.

Liberal-sized packets of all varieties of Beans, unless otherwise noted, 10c. pkt.

**MULFORD CULTURE.** A nitrogen bacteria for beans means bigger and better crops; returns its cost many times over. 25c. per trial bottle; ¼-acre bottle, 50c.; \$1.50 per 1-acre bottle. Be sure and specify what crop the culture is desired for when ordering, as it can be furnished for most all legumes.

# 12 MICHELL'S DESIRABLE POLE BEANS (Not Limas)

## NOTE CHANGE OF CUSTOM IN ORDERING

During the past few years the pound unit or system has taken the place of the pint, quart, peck and bushel system, so that it is now generally recognized as the proper quantity basis unit. We, too, have changed our method and are offering Beans, Sugar Corn and Peas by the pound instead of by the pint, quart, peck and bushel.

### By Way of Comparison:

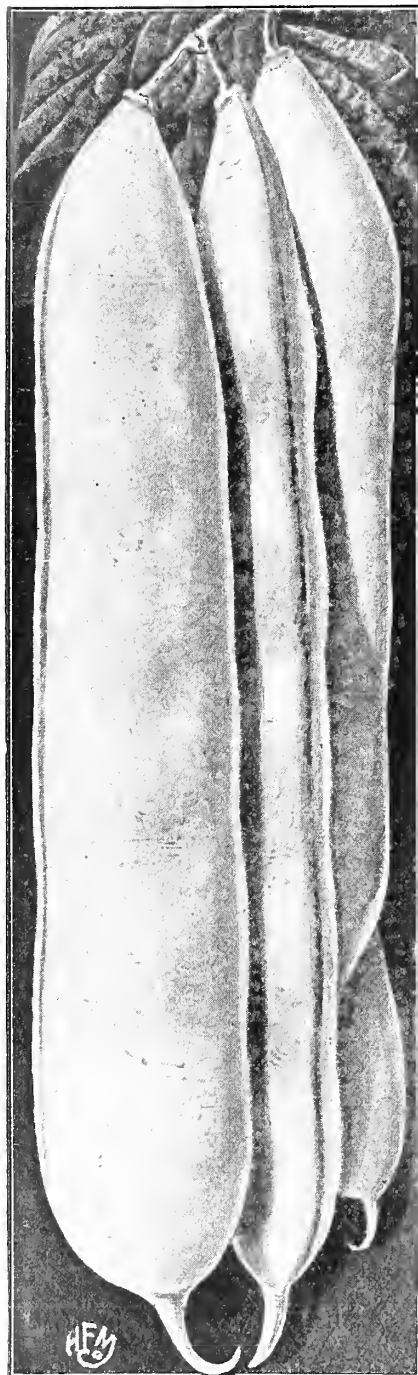
1 lb. equals about 1 pint.

5 lbs. equal about 2½ quarts.

Should you desire to order by the quart, peck and bushel system you may do so and we will send the quantity nearest in lbs. thereto. For each quart you desire allow 2 pounds in weight.

Haricots a Rames (Fr.); Stangenbohnen (Ger.); Fiquoli (Ital.).

LARGE PACKETS of all Varieties, except where noted, 10c. postpaid.



Golden Cluster Wax

Plant when all danger of frost or cold nights is over. Don't be afraid to put a liberal number in a hill, as this is cheaper than replanting; often one bean germinates where another won't, even on the same hill.

Plant as you would limas, in hills 4 feet apart each way, about 4 or 5 beans to the hill, eyes downward. When up and established, thin out to 3 plants in a hill. Plant about 20 lbs. to the acre.

Pole Beans are not accorded in the north the same attention they deserve and receive in the southern part of the United States, where they are found in practically every garden. They are frequently more tender, and yield larger crops than dwarf sorts. One planting lasts usually for the season. The secret of success in growing them is to keep picking them as they mature; they then continue to bear and yield quantities of tender beans of delicious flavor. If you've never known them before try them this season.

**POSTAGE NOTICE**—If Pole Beans are desired by mail, add for postage as per table on page 1.

**\*Early Golden Cluster Wax.** A beautiful deep yellow pod, flat and frequently 8 inches long; makes a delicious dish as a butter bean or for pickling; quite stringless and matures in about 85 days. It is a heavy yielder, the pods being borne in large clusters. The best of the pole beans and a splendid variety for the home garden. 25c. per ½ lb.; lb., 45c.; 5 lbs., \$1.80; \$3.50 for 10 lbs.; 25 lbs., \$8.00.

**Scarlet Runner (Green Pod).** While used principally for its flowering qualities, this makes a splendid winter shell bean. The bright red flowers are an attraction when the vine is used for covering arbors, trellis, fences, posts, etc. 50c. per lb.; 2 lbs., 95c.; \$2.25 per 5 lbs.; 10 lbs., \$4.25; \$9.50 per 25 lbs.

**\*Kentucky Wonder (Old Homestead).** Green Pod. In the South this variety is grown more extensively probably than any other; a tremendous yielder of long, round pods; very tender and practically stringless; the best of the green pole beans. It is quite early, being ready for picking about 85 days from planting. 25c. per ½ lb.; lb., 40c.; 65c. for 2 lbs.; 5 lbs., \$1.50; \$2.75 for 10 lbs.; 25 lbs., \$6.25.

## DWARF VARIETIES OF SHELL BEANS—For Winter Use

If there is any vacant space in the garden it always pays to plant some of these varieties. For soups, baked beans, etc., they are always useful. They can be used in the green state like other sorts when picked very young, but for the first-named purpose they are best.

**\*Boston Navy or Pea.** For soup and baking purposes, 20c. per ½ lb.; lb., 35c.; 60c. for 2 lbs.; 5 lbs., \$1.45; \$2.75 per 10 lbs.; 25 lbs., \$6.25.

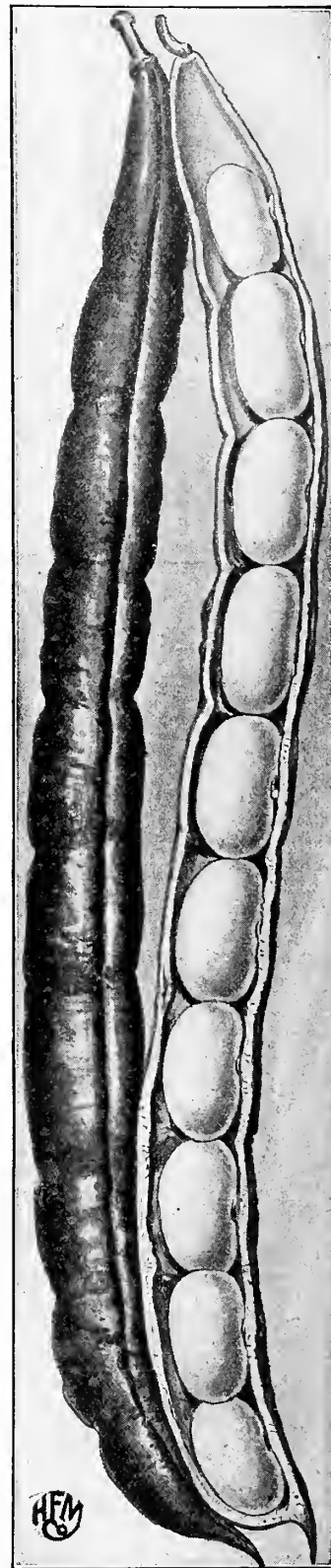
**Broad Windsor.** An English bean used in the dry state shelled. Plant in rows about 3 feet apart, about 8 inches apart in the row. 45c. per lb.; 2 lbs., 85c.; \$2.00 per 5 lbs.; 10 lbs., \$3.90; \$8.00 per 25 lbs.

**White Marrowfat.** 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.25 per 25 lbs.

**Dwarf Horticultural.** One of the best early shell beans grown; the thick, flat, stringless pods are colored red and green; the bean is large, round and speckled. 40c. per lb.; 2 lbs., 70c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.25 per 25 lbs.

**PLEASE NOTE**—Only varieties of Beans marked \* can be supplied in ½-lb. pkgs.

**CEDAR BEAN POLES (Pointed).** Extra selected quality, about 10 feet long. 12 for \$2.25; 25 for \$4.00; 50, \$7.75; 100, \$15.00.



Kentucky Wonder Bean

All prices subject to change without notice.

(oe)



# MICHELL'S LIMA BEANS

Haricots a rames (Fr.); Stangenbohnen (Ger.); Fignoli di Lima (Ital.)

## POLE VARIETIES

2 pounds will plant 100 hills; 25 to 30 pounds per acre.

Plant when all danger of frost or cold nights is over with the eye of the bean down. Don't be afraid to put a liberal number in a hill, as this is cheaper than replanting; often one bean germinates where another won't, even on the same hill. When all the beans have germinated that will grow, thin out to 3 or 4 plants in a hill. The poles should be set as soon as the garden is made in rows about 3 feet apart, with the poles about 3 ft. apart in the row. It is a good plan to put a small shovelful of well-rotted cow manure in each hill when the poles are set, so the beans when started will make rapid growth and mature early.

**POSTAGE NOTE.**—Large Pkts. of all Varieties Lima Beans (except where noted), Postpaid, 10c. If large quantities are wanted by mail, add postage at the rate shown by table on page 1.

**Carpinteria.** A variety that retains its green color in all stages of growth, even after being dried; with this it combines wonderful prolificness, flavor and size; a good early variety; 4 to 5 beans in a pod. 45c. per lb.; 2 lbs., 80c.; \$1.85 per 5 lbs.; 10 lbs., \$3.50; \$8.00 per 25 lbs.

**Dreer's Improved Potato or Challenger.** Early and more prolific than the Large Lima; beans small; extra quality. 45c. per lb.; 2 lbs., 85c.; \$2.00 per 5 lbs.; 10 lbs., \$3.75; \$9.00 per 25 lbs.

**Giant Podded.** This variety is fully a week earlier than King of the Garden. It is a prodigious cropper, producing its pods in large clusters. These are well filled with large beans of excellent quality. Pkt., 15c.; 45c. per lb.; 2 lbs., 85c.; \$2.00 per 5 lbs.; per 10 lbs., \$3.75; \$8.00 per 25 lbs.

**\*King of the Garden.** Vigorous grower, producing a continuous bloom and fruitage to extreme end of season. Pods are of enormous size, many specimens measuring from 5 to 8 inches and producing as high as six beans to the pod, perfectly formed and of superior quality. 25c. per 1/2 lb.; lb., 45c.; 80c. per 2 lbs.; 5 lbs., \$2.00; \$3.50 per 10 lbs.; 25 lbs., \$8.50.

**Michell's Evergreen** (See illustration of this variety on page 8). A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other, and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. Pkt., 15c.; 50c. per lb.; 2 lbs., 95c.; \$2.25 for 5 lbs.; 10 lbs., \$4.25; \$10.00 for 25 lbs.

## BUSH OR DWARF VARIETIES

Bush Limas should be planted for early crops, as they come into bearing much sooner; they are not so prolific as the pole varieties. They are usually planted in rows about 3 feet apart, while the beans are put in hills about 2 feet apart, about 3 beans to the hill.

**Burpee's Improved Bush Lima.** This is so far ahead of the old strain of Burpee's Bush Lima that it should be used instead; the bean is thicker, sweeter and earlier; also more prolific. 50c. per lb.; 2 lbs., 85c.; \$2.25 per 5 lbs.; 10 lbs., \$4.25; \$9.50 per 25 lbs.

**\*Fordhook.** This is the best type of bush lima in cultivation; it has a distinct upright vigorous growth; the pods

are borne in clusters well above the ground and frequently contain as many as 4 thick luscious beans. It matures very early and continues in bearing till frost. 25c. per 1/2 lb.; lb., 50c.; 90c. per 2 lbs.; 5 lbs., \$2.15; \$4.00 per 10 lbs.; 25 lbs., \$9.50.

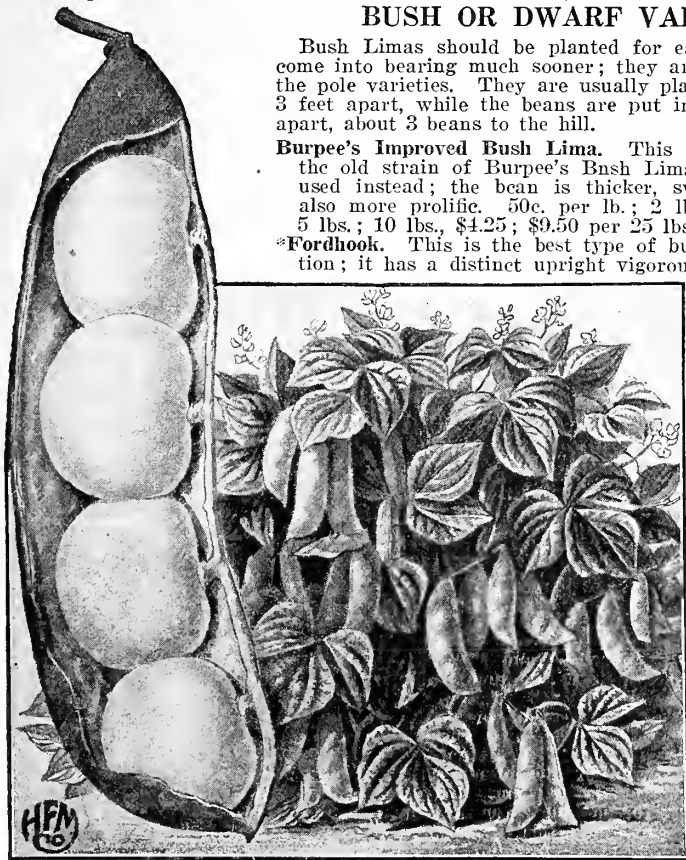
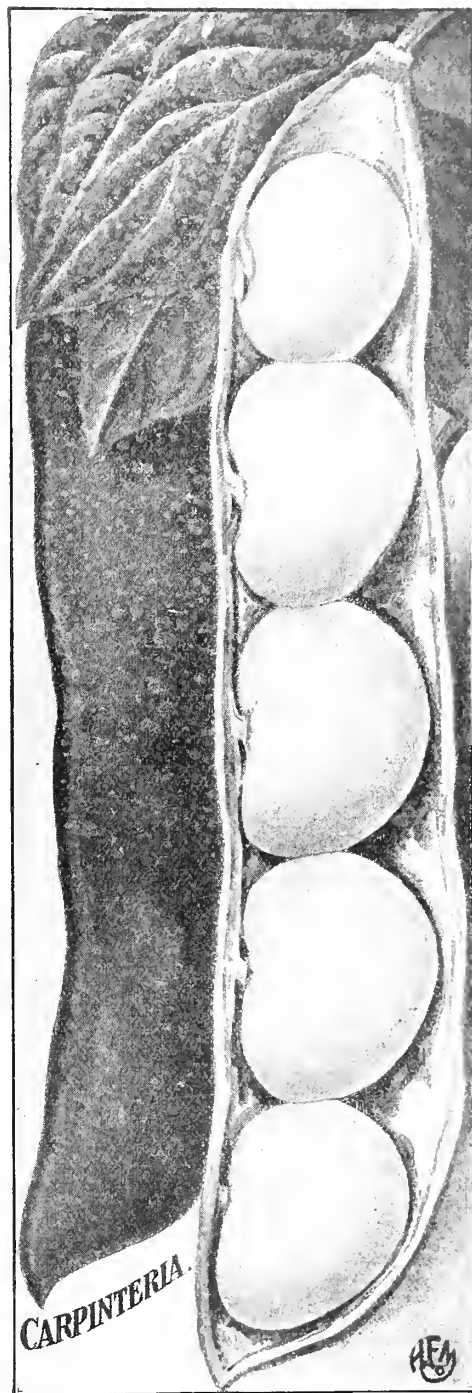
**Wilson's Improved (New).** Claimed to be two weeks earlier than Burpee's Improved Bush Lima; it is also much more prolific, though the pod nor the bean is quite as large. For full description, see page 6. Pkt., 15c.; 50c. per lb.; 2 lbs., 85c.; \$2.00 per 5 lbs.; 10 lbs., \$3.75; \$8.75 for 25 lbs.

Only Varieties of Beans marked \* can be supplied in 1/2-lb. packages.

## MULFORD GERM (Bean Bacteria)

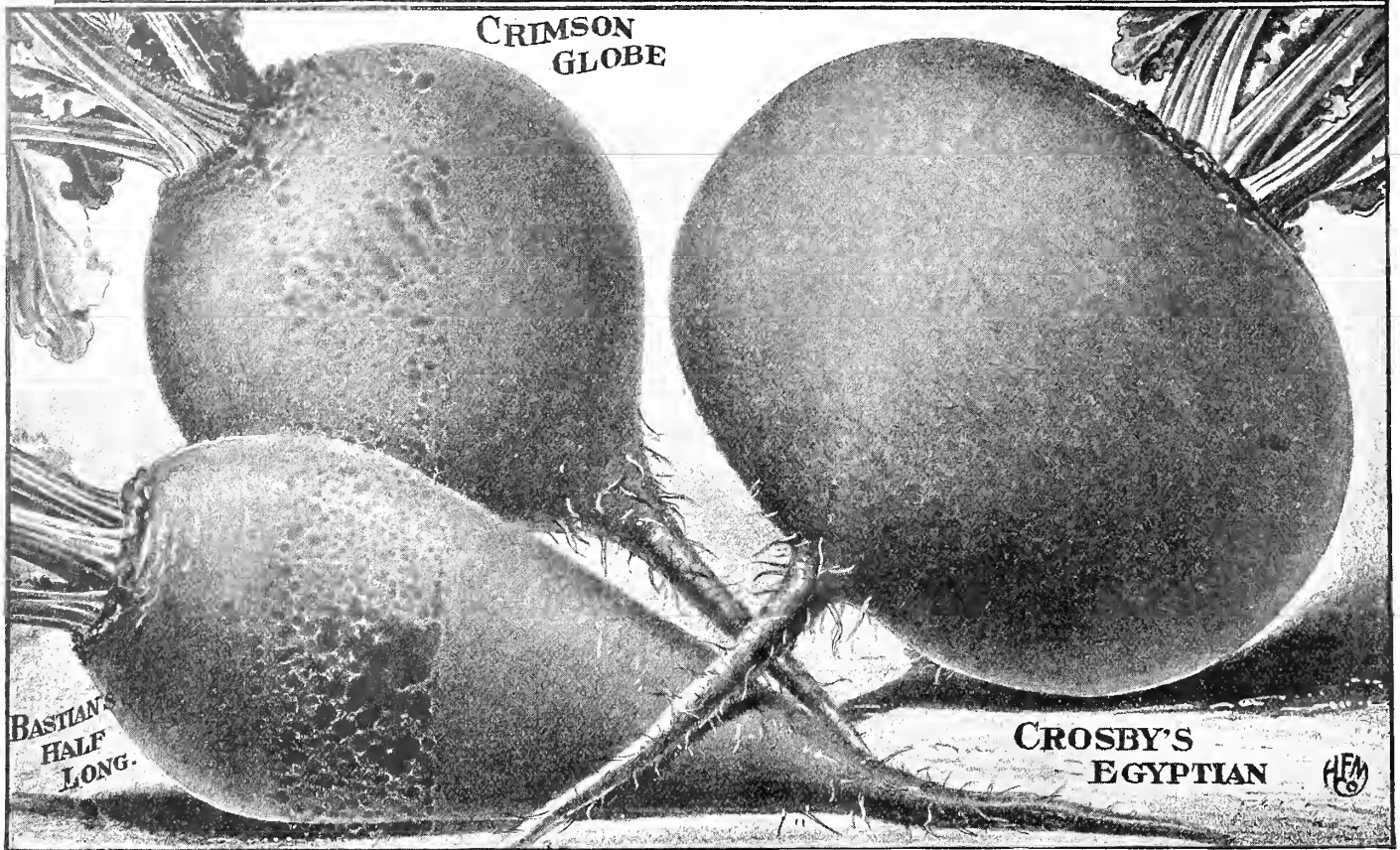
If you want your lima bean patch to yield earlier, better and more beans than usual, inoculate the seed before planting with Mulford Germ; easy to use, effective in results, making the soil richer. Per trial bottle, 25c.; per quarter acre bottle, 50c.

When ordering, be sure and specify wanted for lima beans, as each leguminous crop requires a separate culture.



Fordhook Bush Lima

**CEDAR BEAN POLES (Pointed).** Extra selected quality. About 10 ft. long, 25 for \$4.00; 50, \$7.75; 100, \$15.00.



Betterave (Fr.); Salatrube (Ger.); Barbabietola (Ital.)  
One ounce will sow a row about 50 ft. long; 5 lbs. are required to sow an acre.

Prices of all seeds on this page include mailing charges.

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in rows. For an early crop in hotbeds the seed should be sown in early March, while for a winter supply sow about July 10th outdoors.

**Arlington Favorite.** Extra early; exceedingly sweet, rich blood red, turnip-shaped. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$2.00 per lb.

**Bastian's Extra Early.** The best beet for market and family use; grows quite large; turnip-shaped. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 50c.; \$1.75 per lb.

**Bastian's Half Long Blood.** Used extensively for winter use. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 50c.; \$1.75 per lb.

**Bassano (Extra Early).** A flat variety; flesh white and rose colored; excellent used as a buttered beet. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$2.00 per lb.

**Crimson Globe.** Almost round in shape, of a rich deep red color; it has a distinct delicious flavor and is very tender; good for sowing early for forcing and summer use. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 50c.; \$1.75 per lb.

**Crosby's Egyptian.** One of the earliest beets; especially desirable on account of its rich blood-red color throughout, and its extreme tenderness. An early spring and winter variety and a good keeper. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$2.00 per lb.

**Detroit Dark Red.** A desirable type of turnip-shaped beet, very tender, excellent for winter keeping. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; per  $\frac{1}{4}$  lb., 50c.; \$1.50 per lb.

**Eclipse.** Perfectly smooth and round; skin and flesh intense red. An excellent sort for forcing or for planting in the garden. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$1.75 per lb.

**Edmand's Blood.** A variety for early and late sowing, good flavor, turnip-shaped. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$1.75 per lb.

**Lentz Early.** Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood-red. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$1.75 per lb.

**Michell's Ideal (New).** A splendid turnip shaped beet of rich blood red color; fine grained; very tender. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 65c.; \$2.00 per lb.

**Michell's Winter Keeper (New).** Globe shape; rich red, tender and sweet; one of the best winter varieties. Pkt., 10c.; 25c. per oz.,  $\frac{1}{4}$  lb., 85c.; \$3.00 per lb.

### SWISS CHARD, GIANT LUCULLUS

Pkt., 5c.; 10c. per large pkt.; per oz., 20c.; 65c. per  $\frac{1}{4}$  lb.

### BEETS

Cattle Varieties, or Mangel Wurzel. (See page 27.)

### BASIL (Herb)

Pkt., 10c.; 15c. per  $\frac{1}{2}$  oz.; oz., 30c.

### BORAGE (Herb)

Pkt., 10c.; 15c. per  $\frac{1}{2}$  oz.; oz., 30c.

### BROCCOLI

Broccoli (Fr.); Sparkelkohl (Ger.); Broccoli (Ital.).

One ounce will produce 3000 plants.

A vegetable resembling cauliflower and often grown where the latter does not thrive. Cultural method is much the same.

**White Cape.** Pkt., 10c.; 35c. per  $\frac{1}{2}$  oz.; oz., 60c.; \$2.25 per  $\frac{1}{4}$  lb.

### BRUSSELS SPROUTS

Chou de Bruxelles (Fr.);  
Rosenkohl (Ger.); Berza de  
Brussels (Ital.).

One ounce will produce 3000 plants.

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet apart in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost.

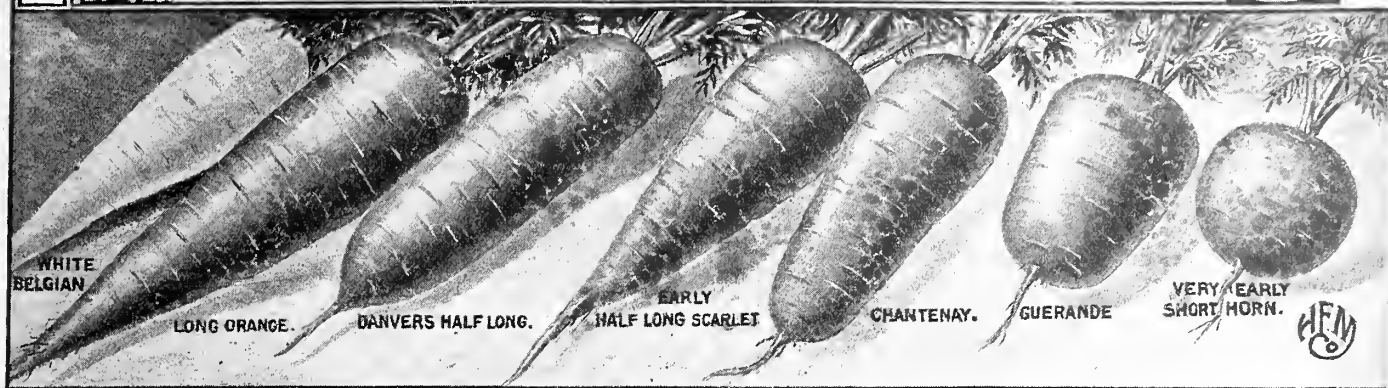
**Matchless Improved.** 5c. per pkt.; large pkt., 10c.; per  $\frac{1}{2}$  oz., 15c.; oz., 30c.; 85c. per  $\frac{1}{4}$  lb.; lb., \$3.00.

**Brussels Sprouts Plants**  
(Ready in July)

25 for 25c.; 75c. per 100 (by mail, 85c.); per 1000, \$6.00.



Brussels Sprouts



All seeds on this page mailed postpaid at quoted prices.

Carotte (Fr.); Mohrruben (Ger.); Carota (Ital.)

One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.

For an early crop sow as soon as danger from frost is over in rows 1 foot apart; when 2 inches high, thin out to stand 2 ins. apart in the row. For a late crop sow in May or June. The long sorts should be sown early; the half-long and round sorts can be sown later.

**Chanteau Half-Long.** Fine orange scarlet color; very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 5 inches long, stump-rooted. 5c. per pkt.; large pkt., 10c.; 15c. per oz.,  $\frac{1}{4}$  lb., 50c.; \$1.50 per lb.

**Danvers Half-Long.** The best variety for general crop; rich orange color; a very heavy yielder and splendid keeper; a first-class carrot for all soils, and valuable both for table and stock; 6 to 7 ins. long, stump-rooted. We have an extra fine strain of this favorite sort. Pkt., 10c.; 15c. per oz.,  $\frac{1}{4}$  lb., 50c.; \$1.50 per lb.

**Early Half-Long Scarlet.** A very desirable pointed root variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color; can be sown in hotbeds for early use, for which purpose it is very good; 5 to 6 inches long. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 65c.; \$2.00 per lb.

**Early Scarlet Horn.** A favorite early red variety; fine grain and good flavor; stump rooted, about 6 inches long; ideal for soups. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 65c.; \$2.00 per lb.

**Guerande or Oxheart.** A desirable variety on soils too hard and stiff for the longer growing sorts, as it is not over 3 to 4 inches long. It has a very fine flavor and is colored a rich orange. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 50c.; \$1.50 per lb.

**Improved Long Orange (Michell's Special Strain).** Deep orange color; 10 inches long; good flavor; yields heavily; is of excellent table quality, and is also the best for stock feeding; point rooted. 5c. per pkt.; large pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 50c.; \$1.50 per lb.

**Orange Beauty.** A first-class carrot in every respect. This variety is a special selection of a popular sort, which it excels in every way; a beautiful shade of orange; point rooted. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 65c.; \$2.00 per lb.

**Rubicon Half-Long.** The best in shape, and its deep red orange-colored flesh is of finest quality; stump-rooted. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing and for growing outside. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 50c.; \$1.50 per lb.

**Very Early Short Horn Scarlet or French Forcing.** An early forcing variety; small round root, not much larger than a radish. For steaming alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 65c.; \$1.75 per lb.

**White Belgian.** Used principally for stock, not being desirable for table; produces a long thick white root. It is also used for soiling or turning under, being a valuable manure maker. It is about 8 to 10 inches long with a green top. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 50c.; \$1.50 per lb.

## CHIVES (Schnittlauch)

Indispensable for flavoring certain dishes, imparting a mild taste of onion. The plants are hardy and will last for years; don't cut the plant too close when gathering. For winter use, lift and plant in a pot or box and place in a sunny window in the kitchen. Seed. Pkt., 10c.

**Strong Plants.** 15c. each; doz., \$1.50; \$10.00 per 100.

## CORIANDER (Herb)

For flavoring, etc. Pkt., 10c.; 15c. per oz.

**ORDER SEEDS EARLY**—Some items are short in supply.

## CHERVIL

One ounce will sow a row 25 feet long.

An aromatic plant used extensively in Europe as a salad garnishing and seasoner. It adds a flavor that is entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles. For a continuous crop, sow every two



Chervil

weeks; if one has heated frames or a greenhouse it can be sown under glass all winter or in hotbeds in February. It can be cut 4 or 5 weeks after sowing.

**Double Curled.** Pkt., 10c.; 15c. per  $\frac{1}{2}$  oz.; oz., 25c.; 80c., per  $\frac{1}{4}$  lb.; \$2.75 per lb.

## CHICORY

**Witloof.** The roots are easily produced from seed, sown in May or June, in rows as one would endive. They are taken up after a few hard frosts and cared for the same as Turnips or similar crops. Used only as a winter vegetable, the top part only being edible. Plant under a bench in the greenhouse or a light, dry, warm portion of a cellar in a bed of rich garden soil 12 inches deep. Place about 6 inches apart each way. The top growth remains intact, as the illustration shows, and may be cut any time after 5 inches growth, before the heads begin to expand. Roots should be set in the soil the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had from December 1st to April 1st. A cold frame makes also an ideal place for forcing them in the late winter or early spring months. Pkt., 5c.; 10c. per large pkt.;  $\frac{1}{2}$  oz., 20c.; 40c. per oz.;  $\frac{1}{4}$  lb. \$1.25.



Chicory

## COLLARDS

Four ounces seed will produce enough to plant an acre.

These are extensively grown in the south and used as greens during the winter months. In that latitude the plant is practically hardy. The lower leaves are pulled off and used, when new ones then form on the upper part of the stem, which increases in height. They are planted much like cabbage. They also make splendid winter food for poultry and lambs.

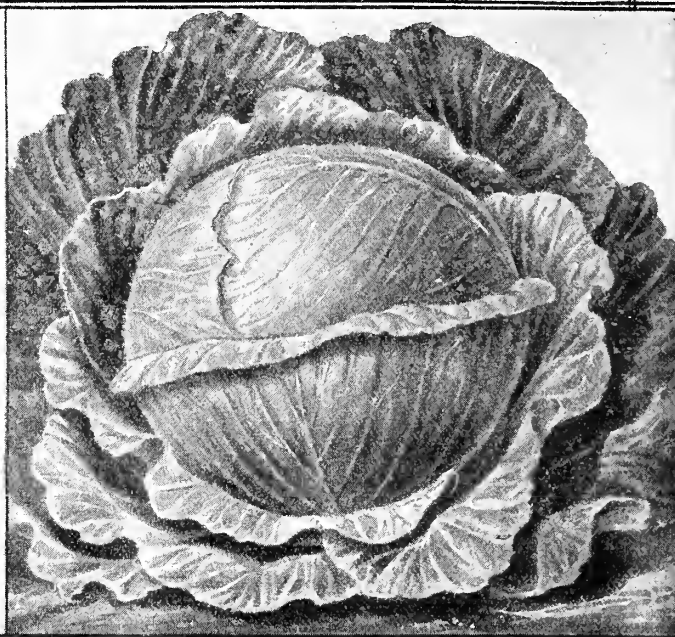
**Georgia or Southern**  
5c. per pkt.; large pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 50c.; \$1.50 per lb. postpaid.



Collards



Early Jersey Wakefield



Early Summer

Chou pomme (Fr.); Kopf Kohl (Ger.); Cavolo Cappuccio (Ital.)

One ounce will produce about 3,000 plants; 4 ozs. will produce enough for an acre.

Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. The second early varieties sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession.

All seeds on this page mailed post free

#### EARLY VARIETIES

**All Head.** The largest of the early cabbages. The head is roundish flat and remarkably solid; excellent for winter as well as early spring. Pkt., 10c; 30c. per ½ oz.; oz., 60c; \$1.75 per ¼ lb.

**Copenhagen Market.** The earliest round variety in cultivation. The heads frequently weigh as much as 10 lbs. In this variety we offer a splendid sort, which should be planted by every cabbage grower. Pkt., 10c; 35c. per ½ oz.; oz., 65c; \$2.00 per ¼ lb.

**Early Jersey Wakefield (Improved Strain).** The finest type of early cabbage in existence. A great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. The outer leaves form a protection for the heads, which enables it to be set out earlier than other sorts. 5c. per pkt.; large pkt., 10c; 35c., per ½ oz.; oz., 60c; \$2.00 per ¼ lb.

**Early Winnigstadt.** A pointed head variety with rather loose outer leaves; small, compact, very early head. Pkt., 10c.; 30c., per ½ oz.; oz., 50c.; \$1.50 per ¼ lb.

**Henderson's Early Summer.** The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. A fine variety for following the early types; makes a splendid solid head. Pkt., 10c.; 30c. per ½ oz.; oz., 60c.; per ¼ lb., \$2.00.

**Large Charleston Wakefield.** Similar to the Early Wakefield, but the heads are more blunt, equally as solid, while it grows almost twice the size and matures one week later. Pkt., 10c.; 30c. per ½ oz.; 60c. oz.; \$1.75 per ¼ lb.

#### MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you. Just say, "Send me 'Practical Garden Pointers'." A post card will do.

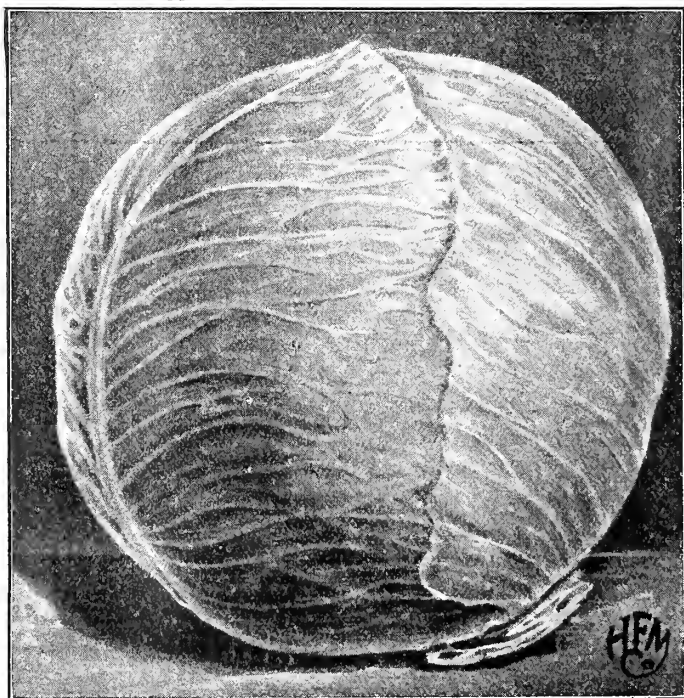
#### Testimonial

325 N. 61st Street, Phila.

We have a garden 119x38 feet which is planted with your seed; everyone who sees it claims it to be the best they have ever laid eyes on.

JNO. C. MONAHAN.

A book on the Culture of CABBAGE AND CAULIFLOWER, comprehensive, interesting and instructive, 75c. postpaid.



Danish Ball Head (See page 17)

#### CHINESE CABBAGE (Pe-Tsai)

Too much cannot be said in favor of this splendid vegetable, because it can be used in a variety of ways, namely, as a salad, raw or cooked. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

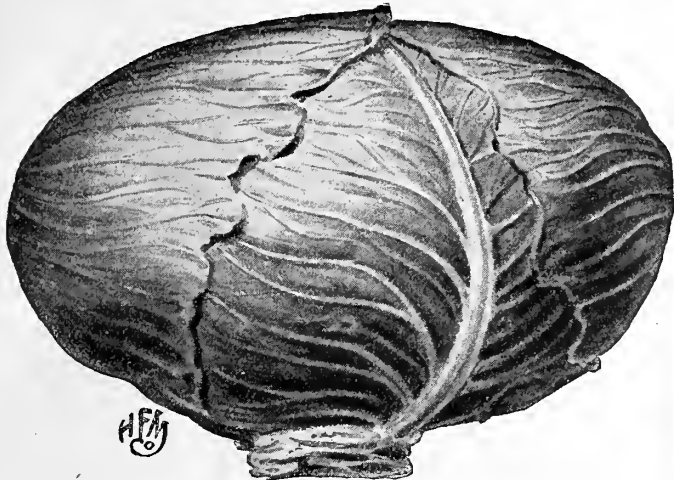
Following is a testimonial from one of our customers, and this voices the sentiment of thousands who have planted it.

#### Testimonial on Pe-Tsai.

Chestnut Hill, Phila.

I grew in my garden some Chinese Cabbage or Pe-Tsai, as it is called. In my opinion it is a remarkable vegetable, and certainly should command a place in every garden. Some specimens I grew weighed as much as 9½ lbs., they were gigantic beauties. When cooked as cabbage this vegetable has no odor and in that respect certainly has one on cabbage for merit.

EDWARD GROVES.



Late Flat Dutch Cabbage

### LATE OR WINTER VARIETIES

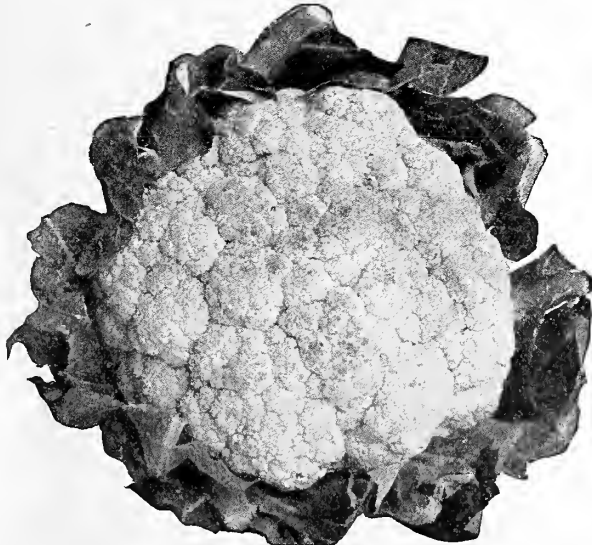
**All Seasons (Vandergaw).** A very large head, round and solid. It is valuable for late summer or winter use. 10c. per pkt.; ½ oz., 25c.; 50c. per oz.; ¼ lb., \$1.35.

**Danish Ball-Head (Michell's Improved Strain).** This excellent winter cabbage is unequalled for its keeping qualities, massiveness and weight. For boiling, cold slaw, sauer kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; heads seldom burst. See illustration page 16. 10c. per pkt.; ½ oz., 40c.; 75c. per oz.; ¼ lb., \$2.25.

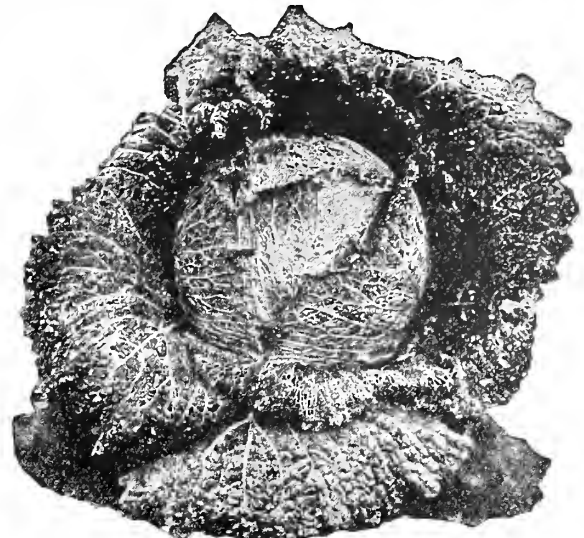
**Late Flat Dutch (Improved Strain).** This has been selected especially for our trade, the seed being taken from the finest types of heads which are selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. For sauer kraut it is unsurpassed. Pkt., 5c.; 10c. per large pkt.; ½ oz., 30c.; 60c. per oz.; ¼ lb., \$1.75.

**Perfection Drumhead Savoy.** A beautifully crimped-leaved sort; color, a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it highly, being one of the best cabbages of its kind grown for either market or home consumption. Pkt., 10c.; 40c. per ½ oz.; oz., 75c.; \$2.25 per ¼ lb.

**Red Dutch.** A red variety, used extensively for pickling. When cooked with a little port wine and sugar added to it, makes a dish fit for a king. Few people can appreciate it because they have never tried it. For cold slaw it has merits over the white kinds. It is principally used as a winter vegetable, keeping well until spring. Pkt., 10c.; 25c. per ½ oz.; per oz., 50c.; \$1.50 per ¼ lb.



Michell's Earliest Snowstorm Cauliflower



Perfection Savoy Cabbage

### PE-TSAI (Chinese or Celery Cabbage)

This resembles in appearance and growth a head of Cos Romaine or Celery Lettuce. The heads are very firm, almost like cabbage. The flavor is delightful, not at all like cabbage, but rather on the order of Witloof Chicory or French Endive. It can be planted as a spring or autumn crop. The head does not become as high then as when sown in spring, and is adapted in that season rather as a lettuce than as cabbage. May be forced readily in a cold frame. The plants are handled much like lettuce, except that they should be set from 15 to 18 inches apart, the rows 2 to 2½ feet apart. Pkt., 10c.; ½ oz., 20c.; oz., 35c.; ¼ lb., \$1.25.

### CABBAGE PLANTS

**Early Sorts.** (Ready in April.) From hotbeds. Early Jersey Wakefield and All Head only. Per 100, 60c.; \$5.00 per 1,000.

**From Cold Frames, Transplanted.** (Ready in April.) Early Jersey Wakefield and All Head only. Per 100, \$1.00; \$7.00 per 1,000.

**Late Sorts.** Danish Ball Head, Late Flat Dutch and Red Dutch only. (Ready July 1st.) Per 100, 60c.; \$4.00 per 1,000.

If cabbage plants are wanted by parcel post add 15c. per 100.

### CAULIFLOWER

**Choux-Fleurs (Fr.); Blumenkohl (Ger.); Cavol-Fiora (Ital.)**

One ounce of seed will produce about 3,000 Plants

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames. When hard frosts are over plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row.

**Danish Giant.** An ideal variety for summer use, as it will stand more drought and heat than most other sorts; the heads are snow white. Pkt., 25c.; \$1.25 per ¼ oz.; per oz., \$4.50.

**Early Snowball.** For either forcing under glass in cold frames or outdoor spring planting, producing magnificent medium size white heads. 25c. per pkt.; large pkt., 50c.; \$1.25 per ¼ oz., oz., \$4.50.

**Half Early Paris.** A well flavored small head, suited to growing outdoors only. Pkt., 15c.; 50c. per ¼ oz.; oz., \$1.75.

**Michell's Earliest Snowstorm.** Colossal heads of purest white, averaging often 10 inches in diameter; especially desirable for its earliness under glass, but does equally well in late spring, summer, or autumn outdoors. Pkt., 25c.; 50c. per large pkt.; ¼ oz., \$1.75; \$3.00 per ½ oz.; oz., \$5.00.

**Michell's Special Strain Selected Erfurt.** One of the earliest in cultivation; the head is not as large as the Snowstorm sort. Pkt., 25c.; 50c. per large pkt.; ¼ oz., \$1.25; \$4.50 per oz.

### CAULIFLOWER PLANTS (Ready about April 1st)

	Dozen	100
Snowball variety only. Spring plants from hotbeds.	\$0.25	\$1.50
Snowball variety only. Pot-grown plants	.75	5.50

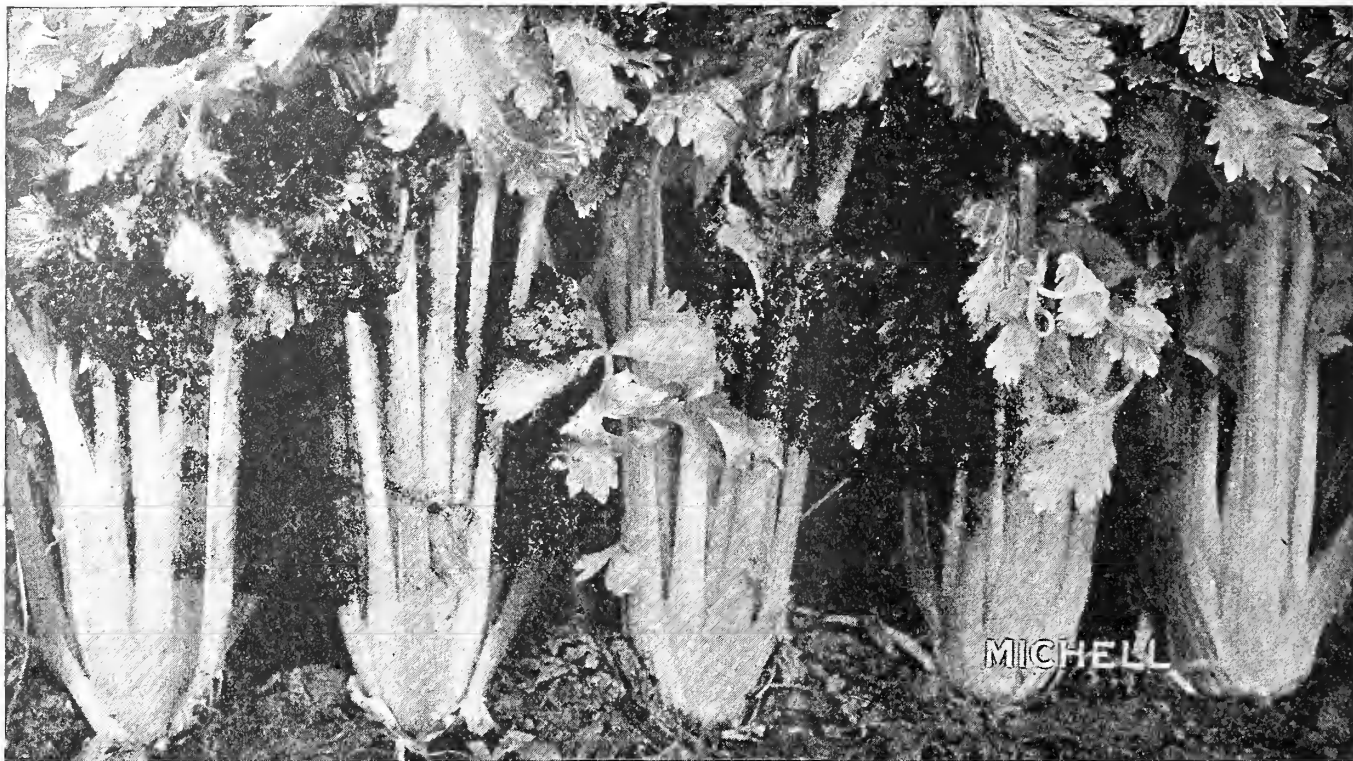
Pot-grown cauliflower plants cannot be sent by parcel post successfully. If hotbed plants are wanted by parcel post, add 5c. per doz. or 15c. per 100 for postage.

### CARAWAY (Herb)

For flavoring, etc. Pkt., 10c.; 25c. per oz.

### CATNIP (Herb)

For making tea, a cat tonic, etc. Pkt., 15c.



Michell's Easy Blanching Celery

## MICHELL'S CHOICE CELERY

Celeri (Fr.)—Sellerie (Gr.)—Sedano (Ital.)

One ounce of Seed will produce 3000 to 5000 plants; half-pound is sufficient for one acre.

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way, let them remain there until July, when they should be planted where they are to mature, in rows 3 feet apart, 6 inches apart in the row. Celery Plants if topped a few times before and when transplanted into their permanent growing place will make shorter, stockier plants.

SEEDS OFFERED ON THIS PAGE MAILED AT QUOTED PRICES

### EARLY VARIETIES

**Easy Blanching.** A splendid first early variety, being ready in October; produces enormous thick stalks which are very crisp. For full details of this variety see Page 7. Pkt., 10c.; 40c. per ½ oz.; oz., 75c.; \$2.50 per ¼ lb.

**Golden Self Blanching** (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which are never pithy, and of excellent flavor; ready in October, but may be kept for early winter use. Pkt., 15c.; 60c. per ½ oz.; oz., \$1.00; \$3.50 per ¼ lb.

**Golden Self Blanching** (American Grown Seed). Pkt., 10c.; 30c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

**Pink Plume.** A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. On the table it is quite an attraction and should be grown more extensively. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

**White Plume** (Michell's Private Stock). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. Our strain of seed is very superior in every way. 5c. per pkt.; large pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

### LATE WINTER VARIETIES

**New York (New).** The earliest Celery in cultivation. Very large and solid and of excellent qualities. Self blanching. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

**Giant Pascal.** It is in its prime for use during February and March, and can be used well up into spring. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.

**Winter Queen.** A medium tall, solid variety; will retain its qualities long through the winter. The heart is very full and large. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 85c. per ¼ lb.

**New Columbia.** A new variety or great merit; a medium tall sort, producing a large, heavy stalk; has splendid keeping qualities. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

Special Note. Attention is called to the variety "Easy Blanching," now regarded as the best early celery in cultivation.

### CELERY PLANTS (Ready in July)

Leading varieties. Per 100, 75c.; \$6.00 per 1000.

### CELERY FOR FLAVORING (Not for Sowing)

¼ lb., 20c.; 50c. per lb.

### CELERY PAPER

For winter protection; 500 sq. ft. per roll, \$3.00.

### CELERY TAPE

Fast red, in 1000-yard spools, \$6.00 per spool.

### CELERICAC

This vegetable is used for two purposes: The leaves are cut when young and used to flavor soups and meats; the roots are boiled, sliced, cooled, and served as a salad.

**Giant Prague.** Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.

### CHAMOMILE (Herb)

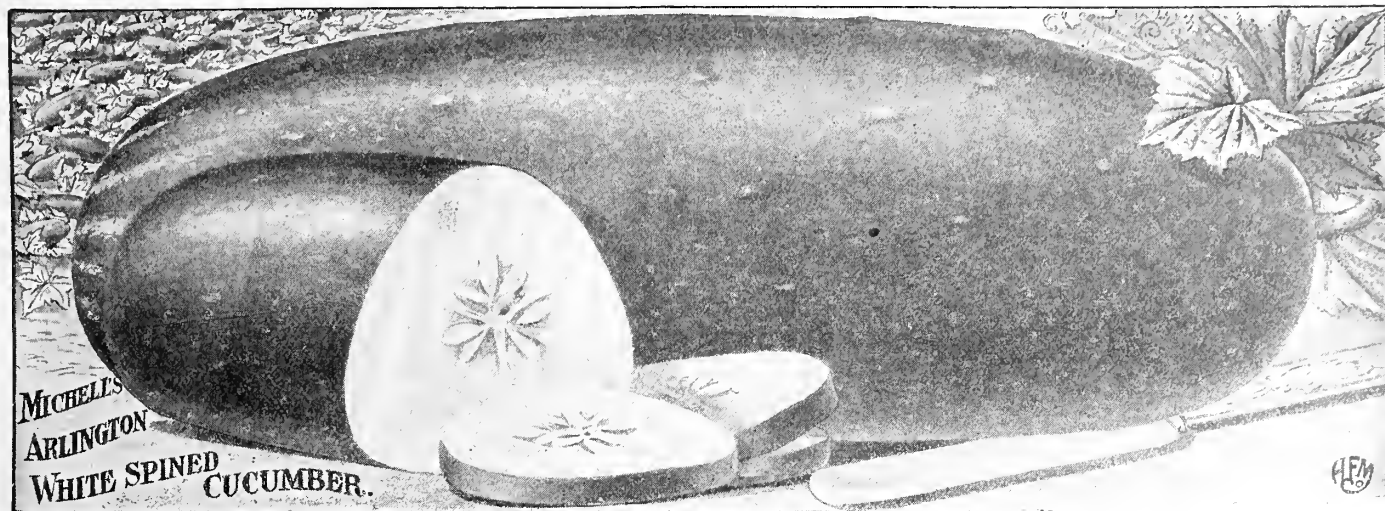
Pkt., 10c.; 15c. per oz.

### CITRON

This will be found described further under the heading of melons; a few hills of this should be grown by all who have space, as dried citron is always useful in making cakes, flavoring, etc. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 40c. per ¼ lb.; per lb., \$1.25.



CHARD. See Swiss Chard, page 36



## CUCUMBERS

Concombre (Fr.); Gurken (Ger.); Cetriolo (Ital.). One ounce of seed will plant 60 hills; 2 to 3 pounds per acre.

Plant when the ground has become thoroughly warmed, in hills 4 feet apart each way, 8 seeds in a hill; when the second set of leaves have formed thin out to 4 plants in a hill. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead; when this is used always wash the fruits thoroughly before using. If the foliage is attacked beneath, by aphid or green fly, a spraying with Black Leaf 40 is usually very effective.

**Davis' Perfect.** This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, often measuring 10 to 12 inches in length. Its color is dark green all over, and it is quite smooth and very productive. Pkt., 5c.; large pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$1.75 per lb.

**Evergreen.** The name is derived from the feature of its dark green color-retaining qualities; thick fruits, measuring about 8 to 9 inches long. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$1.75 per lb.

**Gherkin or Burr Cucumber.** For pickling only; the small fruits are roundish, about 2 inches long; very prickly when green. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 65c.

**Japanese Climbing.** A trellis variety used for shade as well as eating purposes. The vine is very ornamental, and produces extra long light green fruits in abundance. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 50c.; \$1.75 per lb.

**Jersey Pickle or Green Prolific.** This sort can be used for slicing but is best for pickling on account of its size, which averages 5 inches in length; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$1.75 per lb.

All seeds on this page mailed post free at prices quoted.

**Long Green Turkey.** This is one of the large varieties, used principally for slicing. Its dark color makes it desirable for market. The vines are very vigorous and productive; the fruits are formed almost as early as the short sorts; they are firm, crisp and have a fine flavor. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$1.75 per lb.

**White Spined (Michell's Arlington Improved).** This cucumber is absolutely perfect in form, color, size and productiveness, and is therefore the leading sort, not only for the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$1.75 per lb.

### ENGLISH CUCUMBERS

These are splendid for growing in hotbed frames during the summer months, in preference to the open garden ground. They can thus be started earlier and protected during cool nights, as they are more tender than the regular outdoor varieties. They may also be grown under glass in greenhouses during the winter, producing enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

**Lockie's Perfection, Sion House, Telegraph, Tender and True.** Per packet of 12 seeds of either of the 4 sorts above, 30c. per pkt.; 100 seeds, \$2.25.

### WATER CRESS

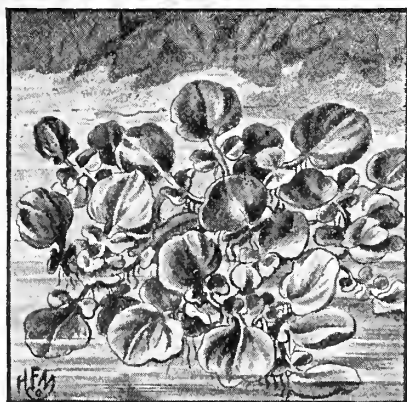
This desirable cress may be sown early in spring near the brink of a pond of spring water or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, reseeding itself.

**True Erfurt.** Pkt., 10c.; 35c. per  $\frac{1}{2}$  oz.; oz., 70c.; \$2.50 per  $\frac{1}{4}$  lb.

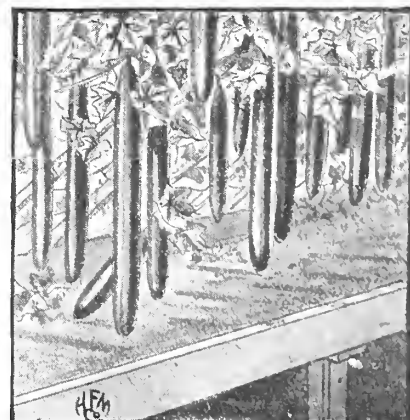
### GARDEN CRESS (Pepper Grass)

Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten prepared with either a little salt and vinegar, or without. Makes a very tasty salad.

**Extra Curled.** Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 40c. per  $\frac{1}{4}$  lb.; lb., \$1.25.



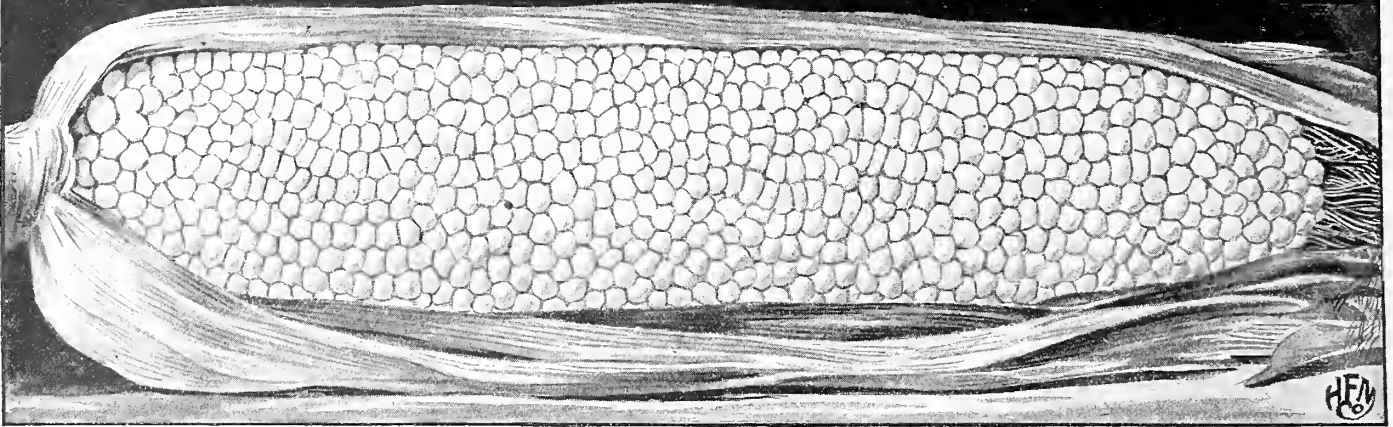
Water Cress



English Greenhouse Cucumbers

All prices subject to change without notice.

# MICHELL'S SELECTED SUGAR CORN.



## Country Gentleman Corn, Michell's Improved Strain

Mais (Fr.); Welschkorn (Ger.); Grano Turco (Ital.)  
 1½ lbs. will plant about 200 hills; 12 to 15 lbs. will plant an acre.

Plant once a week from the time the ground is permanently warm until July 15th, 6 to 8 grains, in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 to 4 strong plants to the hill. The early varieties should be planted for a late crop to be sure of maturity.

NOTE.—If corn is wanted by parcel post, allow for mailing as per parcel post table on Page 1.

Large pkts. Sugar Corn, all varieties, except where noted, 10c. per pkt.

**Bantam Evergreen.** A yellow Sweet Corn noted for its excellent qualities; much larger than Golden Bantam and claimed to be more productive, it is also claimed to be considerably earlier (some say two weeks) than Golden Bantam; it makes also a splendid variety for mid and late season planting. Lb., 40c.; 75c. for 2 lbs.; 5 lbs., \$1.85; \$3.25 for 10 lbs.; 25 lbs., \$7.00.

**Early Evergreen.** This variety is closely allied to Stowell's in shape, flavor and style, but is much earlier; produces large well-shaped ears, with deep grains. Lb., 35c.; 65c. for 2 lbs.; 5 lbs., \$1.50; \$2.75 for 10 lbs.; 25 lbs., \$6.00.

**Early Mayflower.** Slightly earlier than Golden Bantam. The stalk is only about 4 feet high, but the ears are exceptionally long and well filled for such an early Corn. The grains on the ear are very tender and the flavor excellent. The ears average 7 inches in length, growing very close to the stalk. We cannot urge our customers too strongly to become acquainted with Early Mayflower. Lb., 35c.; 65c. for 2 lbs.; 5 lbs., \$1.60; \$3.00 for 10 lbs.; 25 lbs., \$6.50.

**Golden Bantam.** Yellow in color, this is one of the sweetest and earliest corns. The ears are medium size, kernels tender and delicious. The plant is of dwarf growth; we recommend it very highly for the home garden. Plant it for your early picking. ½ lb., 20c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.50 for 25 lbs.

**Golden Cream.** This variety is the result of a cross between Country Gentleman and Golden Bantam and combines the excellent qualities of both. When picked ripe is a very light yellow; after being cooked it turns darker, but not quite so much as Golden Bantam. Lb., 40c.; 70c. per 2 lbs.; 5 lbs., \$1.65; \$3.00 for 10 lbs.; 25 lbs., \$6.25.

**Howling Mob.** A splendid sort for the market gardener, as well as for home use. Might be classed worm-proof, since the husk covers the ear completely and in a tight fashion. It follows the Adams Extra Early types, which are not near so sweet. Lb., 35c.; 65c. for 2 lbs.; 5 lbs., \$1.50; \$2.75 for 10 lbs.; 25 lbs., \$6.00.

PLEASE NOTE.—Only varieties of Sugar Corn marked \* can be supplied in ½ lb. packages.

**Ideal.** The grower of this variety has been carefully selecting it for many years, it is an exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored, and its extra early feature outweighs all other points against it. It comes in sooner than other white-kernel varieties like Adams Extra Early. Lb., 35c.; 65c. for 2 lbs.; 5 lbs., \$1.50; \$2.75 for 10 lbs.; 25 lbs., \$6.50.

**Kendel's Early Giant.** Large ears, deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Just the variety to grow for market garden trade, it gives the housewife a lot of splendid quality for her money. Per lb., 40c.; 2 lbs., 70c.; 5 lbs., \$1.60; \$3.00 for 10 lbs.; 25 lbs., \$6.50.

\***Stabler's Extra Early.** This is the standard sort for the home garden. The large ear is well arrayed with even grains, which cook pure white and are very tender. Per ½ lb., 20c.; 40c. lb.; 2 lbs., 70c.; 5 lbs., \$1.60; \$3.00 for 10 lbs.; 25 lbs., \$6.50.

## A NEW CORN DE LUE'S GOLDEN GIANT

This corn was widely advertised last year by the originator, Dr. De Lue, of Boston, and its sale was phenomenal, with much satisfaction following. From a personal test made of it our own report is as follows:

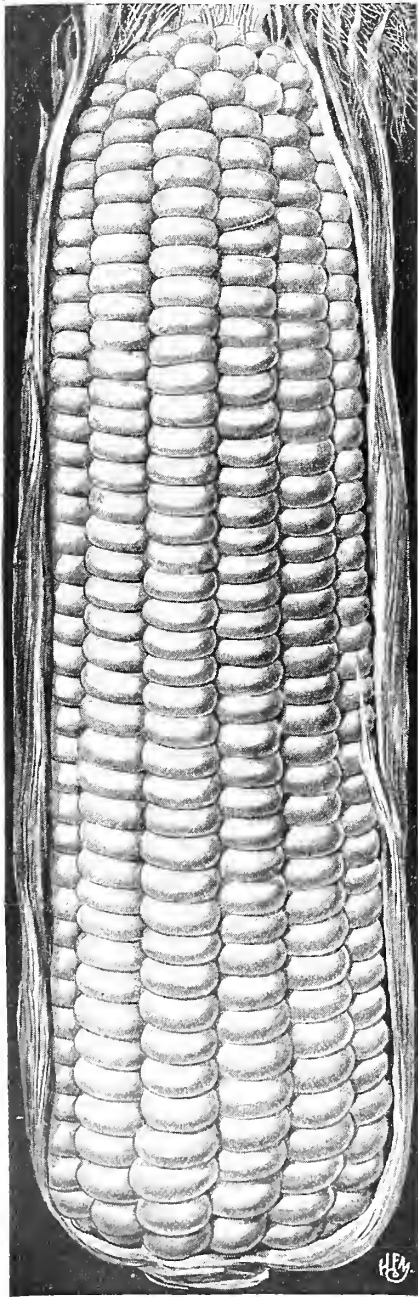
The ear is about 11 inches long, well filled out from butt to tip, and very symmetrical.

This corn cannot be termed absolutely sweet; in fact, we do not think it is so good as Golden Bantam, but it yields at least twice or three times as much as the latter, which is a factor.

The kernels are staged regularly on the cob, and are fairly large. It is easily eaten from the cob, the taste is excellent, and, considering the fact that it is a heavy yielder, we would regard it as a very good variety. The growth is very dwarf and compact, thus assuring early maturity for the ears. We regard it as a variety which will find a big demand. Sold in original packets only, put up on the De Lue Experimental Farm. 2 oz. pkts., 35c.; 50c. per 4 oz. pkt.; 8 oz. pkt., 85c.; \$1.50 per lb.

### CHOICE FIELD CORN FOR SEED

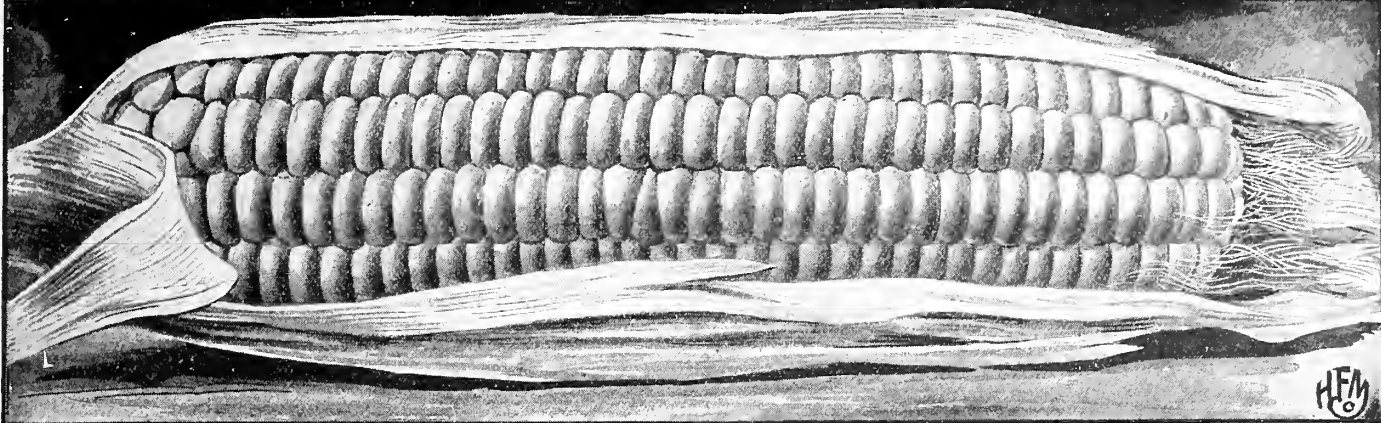
We are headquarters for the leading varieties. (See page 42.)



Michell's Delicious (See page 21)



# MICHELL'S SELECTED SUGAR CORN



Golden Bantam

**NOTE.**—Re-change in custom of ordering. Beans, Sugar Corn and Peas are now offered by the pound system instead of by the pint, quart, peck and bushel.

1 lb., equals about 1 pint.  
2 lbs. equal about 1 quart.

5 lbs. equal about 2½ quarts.  
10 lbs. equal about 5 quarts.

If you still desire to order by the pint, quart, peck and bushel system you may do so and we will send the quantity in pounds nearest to your order.

**NOTE.**—Large packets of all varieties Sugar Corn, 10c. postpaid. If larger quantities are wanted by parcel post, allow for postage charges as per table on page 1.

## MEDIUM OR LATE VARIETIES

**Black Mexican.** A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium-sized and are produced abundantly. 40c. per lb.; 2 lbs., 70c.; \$1.60 per 5 lbs.; 10 lbs., \$3.00; \$6.50 per 25 lbs.

**\*Country Gentleman** (Michell's Improved Strain). A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached, and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high; a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type of ears from stalks, making a larger than usual yield and will give splendid satisfaction. 25c. per ½ lb.; lb., 40c.; 75c. per 2 lbs.; 5 lbs., \$1.60; \$3.00 for 10 lbs.; 25 lbs., \$6.75.

**Little Gem or Shoe Peg** (Ne Plus Ultra). This variety is closely allied to Country Gentleman and resembles it so closely that it is difficult to separate the two. 40c. per lb.; 2 lbs., 70c.; \$1.60 per 5 lbs.; 10 lbs., \$3.00; \$6.75 per 25 lbs.

**Michell's Delicious.** The name hardly describes this sort. Some twenty years ago it was selected by an old-time Philadelphia gardener, who bred it until he had it perfect. Ever since we acquired control thereof we have placed it with our best sugar corn grower in New England, with instructions to grow it for us exclusively and keep re-selecting it. The ears are well filled, medium in size and mature after the early varieties. 40c. per lb.; 2 lbs., 75c.; \$1.60 per 5 lbs.; 10 lbs., \$3.00; \$6.75 per 25 lbs.

**\*Stowell's Evergreen** (Michell's Improved Strain). The best late corn grown. The ears are extra large, and produced in great abundance; stalks often grow to a height of 7 feet. In sweetness it is unexcelled, and for this reason it is the great favorite of the market and home gardener. Our strain has been re-selected and represents not only a superior quality, but a most distinct advance in every way of this splendid variety. 20c. per ½ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.60; \$2.75 for 10 lbs.; 25 lbs., \$6.50.

## POP CORN (Shelled)

There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long, dreary evenings of winter. When popped, huttered and sugared it is not only delicious, but healthful. Not all popcorn is in the right condition for popping. What we offer, however, can be relied upon for planting and popping.

**Queen's Golden** (Pops white). Lb., 25c.; 65c. for 3 lbs.

**White Rice.** Lb., 25c.; 65c. for 3 lbs.

## CORN POPPERS

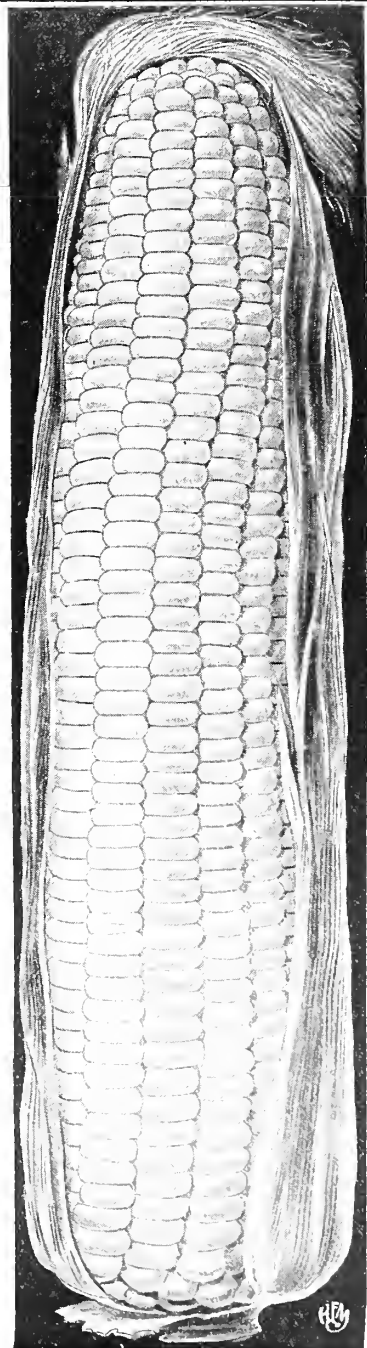
Made of the best quality wire. Price includes handle and lid. 1 qt. size, 25c. each; 2 qt. size 35c. each.

## CORN SALAD (Fetticus)

**Mache Ronde** (Fr.); **Ackersalat** (Ger.).

This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover with a litter of leaves or long manure or straw, and upon approach of spring the covering can be taken off entirely. It can also be gathered on mild days during winter.

**Large Leaved, Round Seeded.** 5c. per pkt.; large pkt. 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.25 per lb.



Stowell's Evergreen

# MICHELL'S VEGETABLE SEEDS

All seed on this page mailed postpaid to purchaser at prices quoted.

## DANDELION

Pissenlit (Fr.); Löwenzahn (Ger.); Amargon (Ital.)

While this name applies to what is generally considered the most obnoxious of weeds, in a cultivated form it is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing, but very healthy and highly recommended by physicians. Seed should be sown in spring, thickly, in a bed in the garden, where the plants should remain for the season; late in the fall cover the bed with a moveable sash, or leaves, or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed, unless it is desired to make wine from the flowers. A new bed should be made each season.

Thick Leaved or Cabbaging. Pkt., 10c.; 60c. per ½ oz.; oz., \$1.00; \$3.00 per ¼ lb.

## DILL. Herb (Annual)

Used extensively for culinary purposes and for putting with cucumbers when pickling, producing the famous "Dill Pickles." Pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.50 per lb.

## EGG PLANT

Aubergine (Fr.); Eierpfanze (Ger.); Petonciano (Ital.)

One ounce will produce about 2000 plants.

Sow seed in March in hotbeds, and when 3 inches high transplant into small pots or otherwise. Plant outdoors in May or June or after the weather has become permanently warm, in rows 3 feet apart, with the plants set 2 feet apart in the row.

### SELECTED NEW JERSEY GROWN SEED

**Black Beauty.** An extra early, large variety, almost black in color; very prolific and with few seeds. Pkt., 5c.; 10c. per large pkt.; ½ oz., 35c.; 65c. per oz.; ¼ lb., \$2.25.

**Michell's New York Improved.** An old standard; quite large and more elongated than the Black Beauty, with a rich purple color. Pkt., 10c.; 30c. per ½ oz.; oz., 60c.; \$2.25 per ¼ lb.

### EGG PLANT PLANTS

(Ready May 15th)

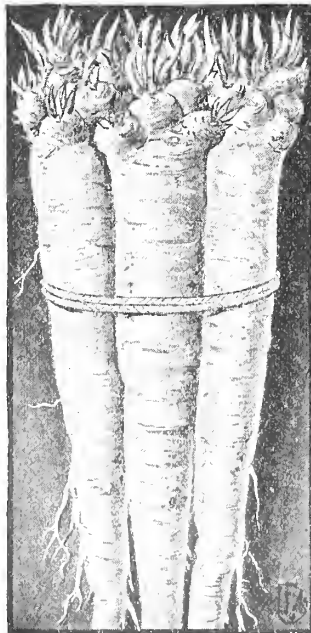
**New York Improved, Black Beauty.** Pot grown. 7c. each; doz., 75c.; \$5.50 per 100. Egg Plants cannot be mailed satisfactorily.

### FENNEL (Herb)

10c. per pkt.; oz., 20c.

### HERBS

(For culinary and medicinal purposes; list will be found on page 38.)



Horse Radish

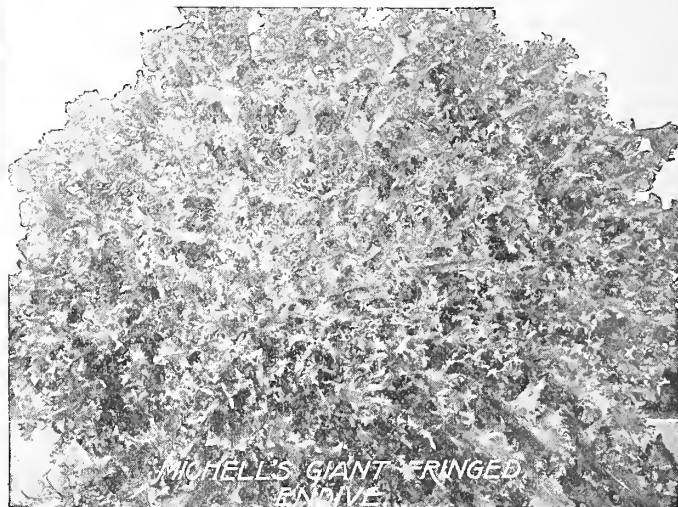
## HORSERADISH ROOTS

(Ready in March)

Set the roots in spring, in rows 6 inches apart, about the same distance in the row. Late in the fall lift as many roots as you think you will use, cut off the top, place them in a cool cellar, covered with soil or sand; grate as wanted. A bed once planted remains for years.

**Maliner Kren (Bohemian).**

Quick-growing variety; now the very best horse radish grown, and far superior to the common variety, which we have discontinued. Large, strong cuttings, 30c. per doz.; per 100, \$1.00 (postpaid, \$1.10); \$7.50 per 1000.



## ENDIVE

(Sometimes called Chicory.)

Chircoree (Fr.); Endivien (Ger.); Indivia (Ital.)

One ounce will sow a row of 200 feet.

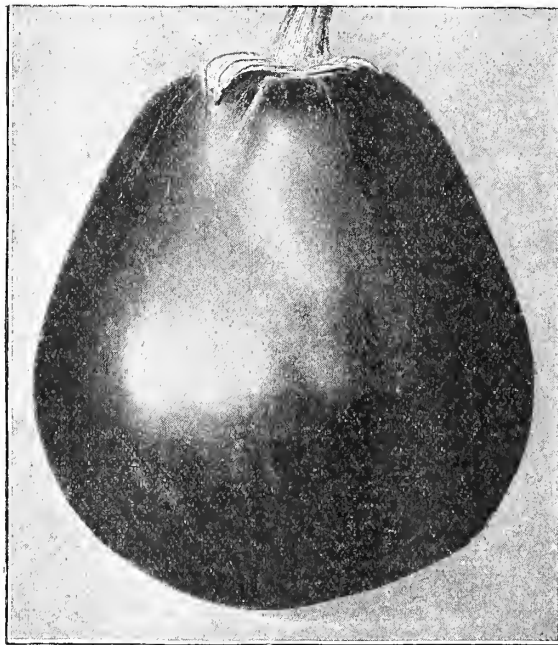
Sow from June to August in shallow drills, and when 2 inches high thin out and transplant so the plants stand 10 inches apart. When fairly well developed, toward autumn, tie the plants together at the top with twine, but do this at a time when the leaves are dry. This is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in autumn and placed in a dry, cool cellar, covering the roots with soil.

**Broad-Leaved Batavian (Escarolle).**

Leaves broad, light green, nearly plain. Pkt., 10c.; 20c. per oz.; per ¼ lb., 60c.; \$1.75 per lb.

**Giant Fringed (Oyster Endive).** A variety with a large white heart and broad fringed leaves; heads measure 15 inches in diameter. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**Improved Green Curled.** An improvement over the common green variety, producing a larger head and thicker leaves. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per ¼ lb.; lb., \$1.75.



Egg Plant, Black Beauty

**White Curled (self-blanching).** This is the finest White Curled variety; always crisp and tender. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

## GARLIC SETS

Ail (Fr.); Knoblauch (Ger.); Aglio (Ital.)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort, as this produces large bulbs. Plant and harvest the same as onions. 65c. per lb.; 5 lbs. for \$3.10.

## HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellises, etc. It is hardy and rarely winter kills. The hops are gathered about September and stored for use on a dry floor, or hung in bags.

**Pot-Grown Plants, Green Variety.** 25c. each; doz., \$2.50; \$15.00 per 100.

# MICHELL'S VEGETABLE SEEDS

ALL SEEDS ON THIS PAGE MAILED POSTPAID AT PRICES QUOTED

## KALE OR BORECOLE

**Chou Vert (Fr.); Grun Kohl (Ger.) Cavolo Verde (Ital.)**

One ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre.

For early use it may be sown in May; when desired for winter use, sow in September, broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition. One of the finest nutritious greens for winter and early spring use.

**Dwarf Green Curled.** This variety is very dwarf and compact, rarely attaining a height over six inches. The color is dark green, very curly. Pkt., 10c.; 15c. per 1/2 oz.; oz., 25c.; 75c. per 1/4 lb.; lb., \$2.75.

**Imperial Long Standing.** The leaves are very crimped and of a dark green color. It stands quite tall, and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 5c.; 10c. per large pkt.; 1/2 oz., 15c.; 25c. per oz.; 1/4 lb., 65c.; \$2.00 per lb.

## KOHL-RABI

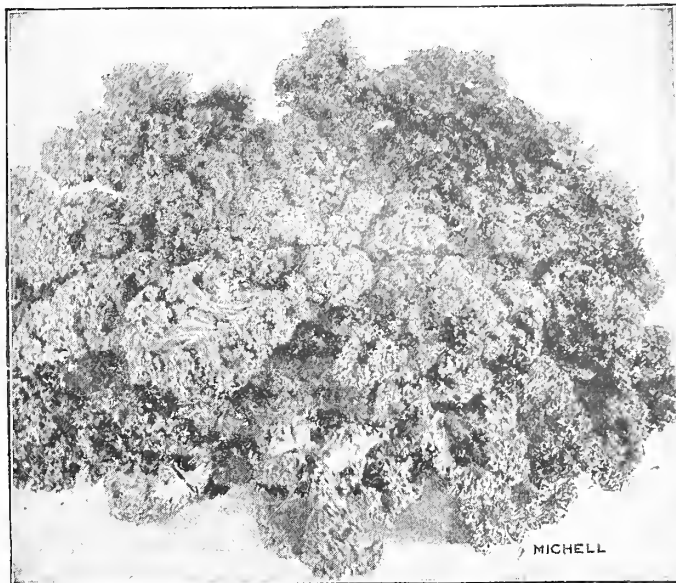
**Chou Rave (Fr.); Kohl-Rabi (Ger.); Cavolo rapa (Ital.)**

One ounce will produce about 2500 plants.

It is regrettable that this splendid vegetable is not more widely used. We would suggest to those who have not given it a trial that they do so. Sow seed in early spring, in hotbeds or outdoors, and transplant when 3 inches high in rows 18 inches apart, 6 inches in the row. The edible part is the root, which grows above the ground; this should be used when it attains a size of 2 1/2 inches in diameter or less, at this stage it is extremely tender and delicious, while if allowed to get larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root.

**Blue or Purple Vienna.** The flesh is white, with a bluish skin. Principally used for outdoor sowing. Pkt., 10c.; 15c. per 1/2 oz.; oz., 30c.; \$1.00 per 1/4 lb.

**Early White Vienna.** This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring early maturity. Very finely grained and of excellent quality. Pkt., 5c.; 10c. per large pkt.; 1/2 oz., 15c.; 30c. per oz.; 1/4 lb., \$1.00.



Dwarf Green Curled Kale

## LEEK

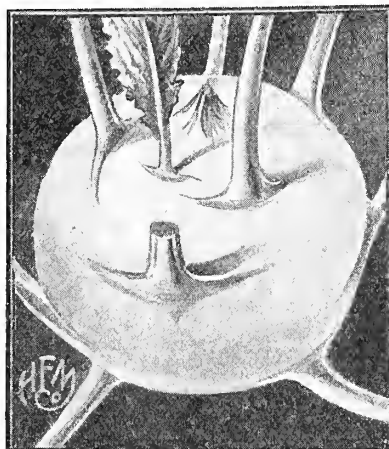
**Poireau (Fr.); Lauch (Ger.); Porro (Ital.)**

One ounce of seed will furnish about 2500 plants.

Allied to the onion family but producing no bulb; the stalks are cut and used for flavoring soups, also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows 1 foot apart, covering the seed about an inch, when about 4 inches high transplant where it is to develop in rich soil in rows 18 inches apart, 6 inches in the row. When fully grown, hill soil against them to blanch them; about November 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches; thus a supply may be had all winter.

**Giant Carentan.** A variety which produces colossal stalks of tender quality; splendid for exhibition purposes. 5c. per pkt.; large pkt., 10c.; 20c. per 1/2 oz.; oz., 35c.; \$1.20 per 1/4 lb.

**London Flag.** Popular for the home garden. Makes a longer but narrower stalk than others. Pkt., 10c.; 20c. per 1/2 oz.; oz., 35c.; \$1.20 per 1/4 lb.



Kohl-Rabi

## LAVENDER

Seed. Pkt., 10c.; 1/2 oz., 30c.; 60c. oz.

Plants. Each, 25c.; \$2.50 per doz.; per 100, \$15.00.

## MINT

Pkt., 25c.; 65c. for 3 pkts.

## MINT PLANTS

Spearmint, 20c. each; doz., \$1.50; \$10.00 per 100.

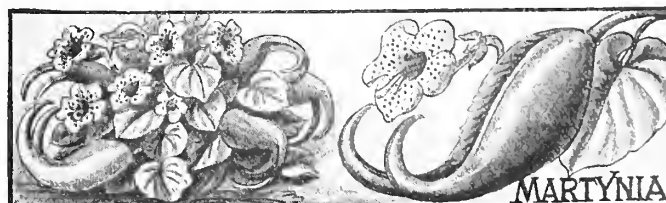
Peppermint, 20c. each; doz., \$1.50; \$10.00 per 100.

## MANGEL-WURZEL (See page 27)

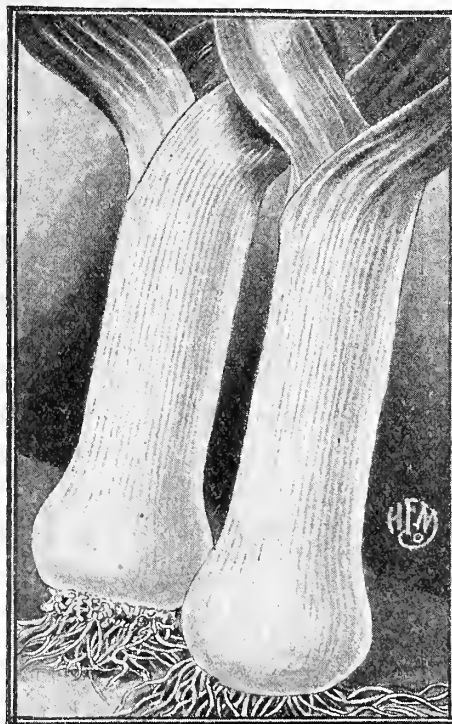
## MARTYNIA (Unicorn Plant)

A bushy plant growing two feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked are pickled the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so the plants stand 2 feet apart each way.

**Proboscidea.** Pkt., 10c.; 20c. per 1/2 oz.; oz., 35c.

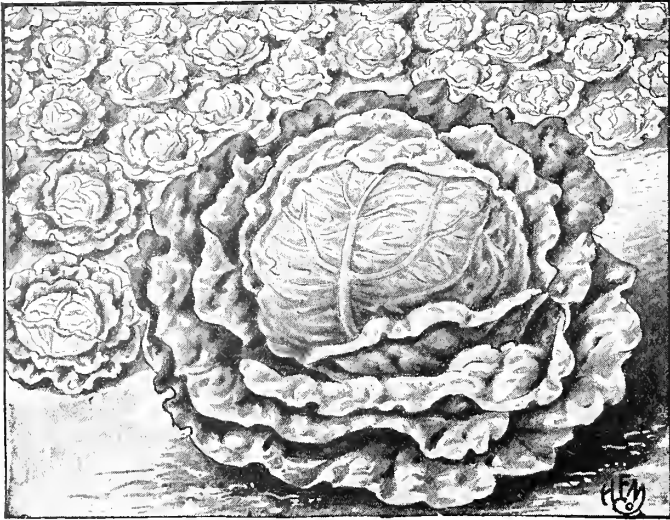


MARTYNIA



Giant Carentan Leek

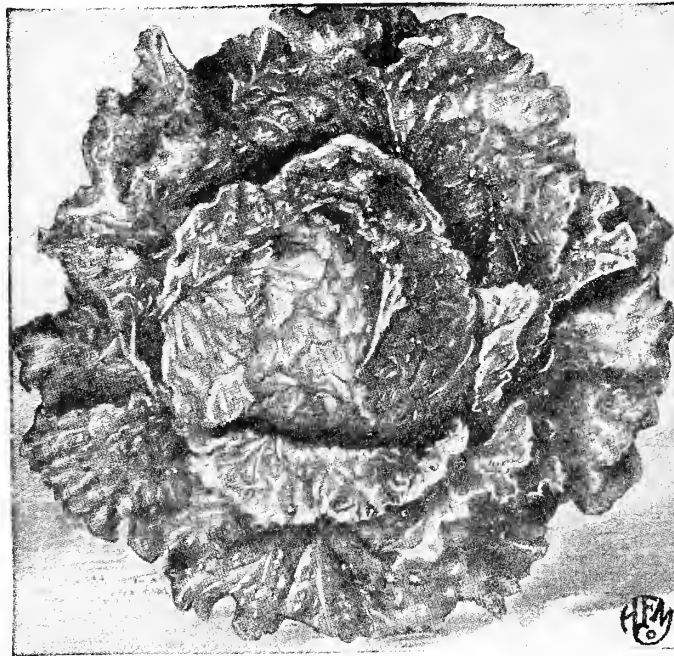
All Prices on this page are Postpaid



**Cabbage Head Giant**

**All Heart.** An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor; can be used for sowing in frames, or in spring and early summer outdoors. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 65c. per ¼ lb.; lb., \$2.00.

**All Right.** (Michell's.) This is not a variety for forcing, but rather for an early spring crop in the hotbed or outdoors, and for sowing in August for late autumn under sash or outside; it is not affected by cold, which, with some sorts, turns them brown. On the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 65c. per ¼ lb.; lb., \$2.00.



**Prize Head Lettuce**

**Big Boston.** A large, flat, cabbage-headed variety; splendid for midsummer or fall use, or under glass in the early spring and autumn; a delightful shade of light green, tinged light brown on the outer leaves. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**Big Boston.** (Davey's Improved.) (See illustration page 25.) Gigantic solid heads; excellent for under glass. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.

**Boston Market.** (White Seeded Tennisball.) Early, small heading variety; one of the best for forcing; the heart is very solid and crisp. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**Dutch Butter.** (Private Stock.) A medium-sized head; light green leaves, with delicate yellow heart. The outer leaves are tinged brown on the edges. Suitable for forcing or outdoor planting. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**HEADING VARIETIES**

Laitue (Fr.); Lattich Garten Salat (Ger.); Lattuga (Ital.)

One ounce of seed will produce about 2500 plants.

**Hanson Improved.** Tremendous solid heads; the outer leaves are curled, the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces probably the heaviest head of lettuce of any variety. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

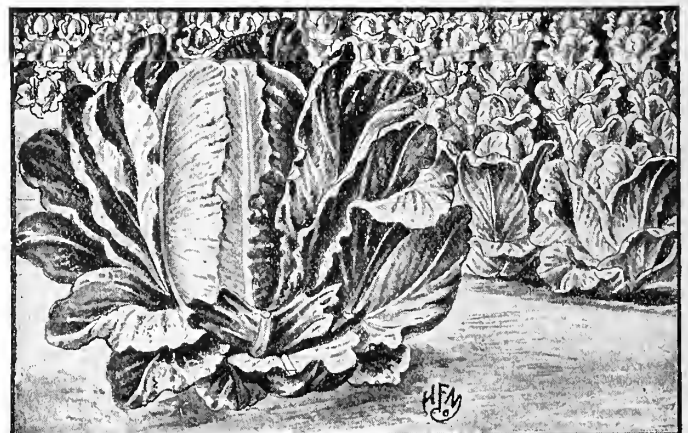
**May King.** The first solid head lettuce to mature outdoors, hence its name; it is of good size, with tender, full heart. Suitable for sowing under sash in early spring. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.25.

**Prize Head.** A splendid loosely-formed head, claimed to do well where all others fail; desirable for outdoor planting only; has a dark tinge on the outer leaves; good for spring and summer use. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**Salamander.** (Mammoth.) One of the best midsummer varieties, resisting heat and drought, and remains in heading condition longer than many others. The heads are enormous, a fresh green color; loose leaves can all be used, as they are brittle and tender. This strain is an improvement on the usual form. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**Wayahead.** The earliest hard heading lettuce in cultivation, doing well either under glass or in the open, in spring or autumn. The heart is a golden buttery color, and of delicious flavor. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

**Wonderful.** Of the cabbage-headed sorts this is a leader; the color is dark green, with white interior; the heads are large, having curled outer leaves; popular kind for summer. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.00 per lb.



**Trianon Self-Folding Cos Lettuce**

ALL SEEDS on this page mailed postpaid at prices quoted.



MICHELL

Lettuce—Davy's Improved Big Boston

## LETTUCE PLANTS

We can supply these (at all seasons) in heading varieties only of our selection. 25 for 15c; 50c. per 100 (postpaid, 60c.); per 1000, \$4.00.

## LETTUCE GARNISHINGS

**Chervil.** One of the most delicious flavoring plants in cultivation. The leaves are finely cut and mixed with the lettuce, or distributed as gathered, on top. Seed, 10c. per pkt; ½ oz., 15c.; 25c. per oz.; ¼ lb., 80c.; \$2.75 per lb.

**Chives.** Possess a delicate onion flavor; adds a piquancy without being objectionable like onion. The top is cut off the plant (not too close) and chopped finely and added in small quantities to the dish of salad. Strong plants, 15c. each; doz., \$1.50; \$10.00 per 100.

**Tarragon (Estragon).** Perfectly hardy, and once established remains for years; the foliage is finely cut and spread over the lettuce. It is also put into vinegar, to which it imparts a flavor. Plants, 25c. each; doz., \$2.50; \$17.50 per 100.

## THE BALL PLANT PROTECTOR

Not less than 6 Protectors of a size can be supplied. Not mailable.



The Ball Plant Protector

For tomato, cucumber, melon, egg plants, etc. It allows you to set these out several weeks earlier than would otherwise be possible. Made with strong wooden frames and good muslin; when not in use can be nested and put away, taking up very little space. They will last many years. The invention of (and have been in use) by a practical gardener for a number of years.

No. 1. 9 in. diam. 12 in. high.

Per 6 ..... Per 12  
\$2.00 ..... \$3.80

No. 2. 12 in. diam. 15 in. high.

Per 6 ..... Per 12  
\$2.35 ..... \$4.50

## LOOSE LEAF OR CUTTING VARIETIES

For early or midsummer use, seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class of lettuce is always tender and is preferred by many to the heading varieties.

**Black Seeded Simpson.** Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**Grand Rapids (Special Strain).** The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. 5c. per pkt; large pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

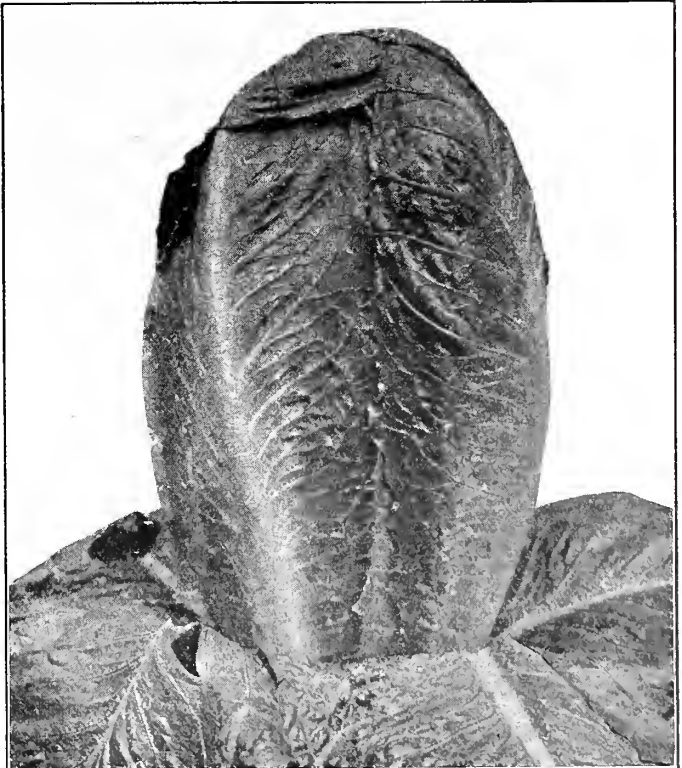
**Silesian.** This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color, and when given plenty of room will form a large loose head. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

## COS, ROMAINE, OR CELERY LETTUCE

Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth; it has a decided flavor. To have it tender the heads must be tied together at the top so that the inner leaves blanch. It is best adapted to outdoor planting and stands the heat well. When thinning out remember that they require less room than the regular heading varieties.

**Kingsholm Cos.** The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. 5c. per pkt; large pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**Trianon Self-Folding.** The peculiarity of this sort lies in the fact that the crown of leaves overlap each other which closes over the heart, thus rendering it self-blanching. It is very early and ready for use sooner than the Kingsholm variety. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.



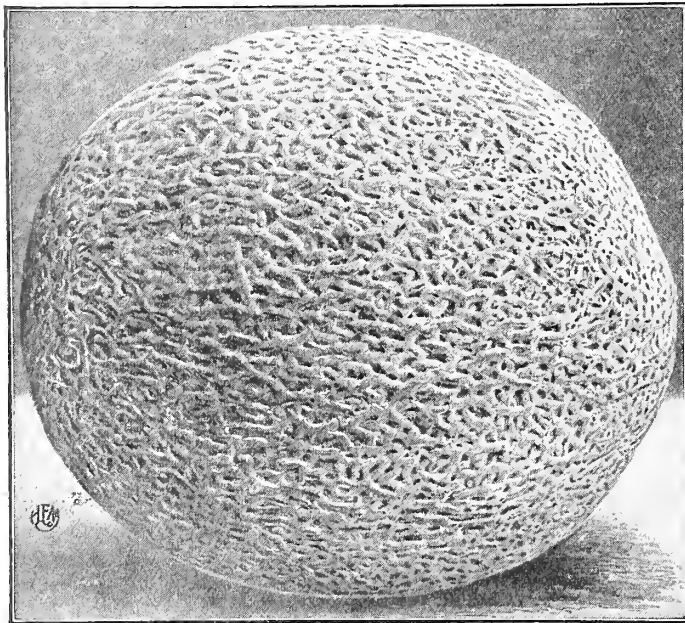
Lettuce—Kingsholm Cos

# MICHELL'S MUSKMELON or CANTALOUPE

Melon Muscade (Fr.); Melone (Ger.); Popone Melone (Ital.)  
One ounce will plant about 50 hills; 2½ lbs. are required for an acre

All Prices Quoted  
are Postpaid

While these do best to reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants in a hill. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with "Black Leaf 40," Pyrox. Arsenate of Lead, or some of the various Nikoteen preparations. When the vines have made a good start, they are not bothered with insects thereafter.



Delicious Gold Lined Melon

**Delicious Gold Lined.** Flesh thick, fine-grained and sweet; color green, with a gold margin next to the seed cavity; slightly oval and heavily netted. A variety which every melon planter should not overlook to include in his list. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.25 per lb.

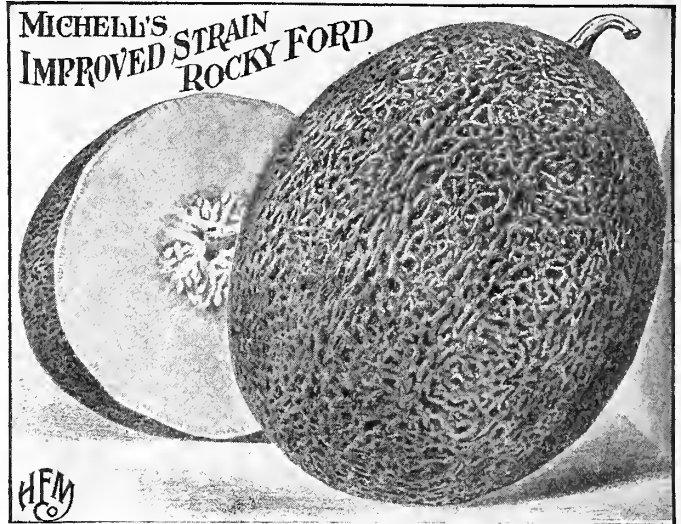
**Emerald Gem.** Among the standard varieties, this has long been a leader. The flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons when you eat once of you remember for a long while. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.00 per lb.

**Fordhook.** This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is claimed to be an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; an early variety, and always prolific. The netted rind is very thin and the melon can be eaten very close thereto. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.00 per lb.

**Honey Dew.** A late maturer, it might easily be termed a family melon because one is large enough for a number of people. It is large in size, being 6 inches in diameter and from 7 to 8 inches long. The skin is smooth with an occasional net, and creamy white. The thick flesh is emerald green, melting, and of a wonderfully delicious flavor, sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using. In fact, they can be placed in cool storage and kept until Christmas. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 85c. per ¼ lb. (See illustration, page 8.)

**Jenny Lind.** A small, flat, very early sort, heavily netted and ribbed, green flesh, an altogether good variety to plant with others, using this for the first picking. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 70c. per ¼ lb.; lb., \$2.00.

**Michell's Delicious.** This deservedly enjoys a good name, it is one of the very large, irregular pumpkin-shaped melons, with a smooth, silver-gray rind. The flesh is very deep orange-salmon. Pkt., 15c.; 25c. for 2 pkts.; ½ oz., 65c.; \$1.25 per oz.



**Michell's Rockyford (Improved Strain).** The outside is a light green, well-netted, changing to a grayish color. It is mostly all meat, with a very small seed cavity, and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt., 10c.; 20c. oz.; ¼ lb., 70c.; \$2.00 per lb.

## FORCING MELONS (English Varieties)

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers.

**Blenheim Orange, Invincible-Scarlet, Windsor Castle.** Each variety per pkt., 30c.

**Sutton's A1.** In original packets, 70c. per pkt.

**MELON NETS.** For supporting forcing melons in greenhouses; made very strong; will last for a number of crops. \$2.25 per oz.; per 100, \$15.00.

## "BLACK LEAF 40"

This is perhaps the best destroyer of aphids and melon lice that we know of, it is a 40 per cent. solution of Nikoteen, and when used according to directions, being sprayed under the foliage of melon vines, it will destroy practically every garden pest. Prices (subject to change): 1 oz., 25c.; \$1.00 per ½ lb.; 2 lbs., \$3.25; \$13.75 for 10 lbs.

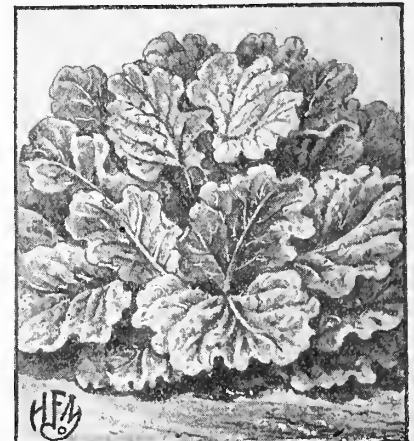
## MUSTARD

One ounce will sow a row 75 feet long. It makes a delicious green salad, pungent in taste, highly palatable and healthy. Sow every two weeks in rows the same as spinach. It must be used while young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce for flavoring. The seed can be harvested if the plant is allowed to stand and used for other culinary purposes.

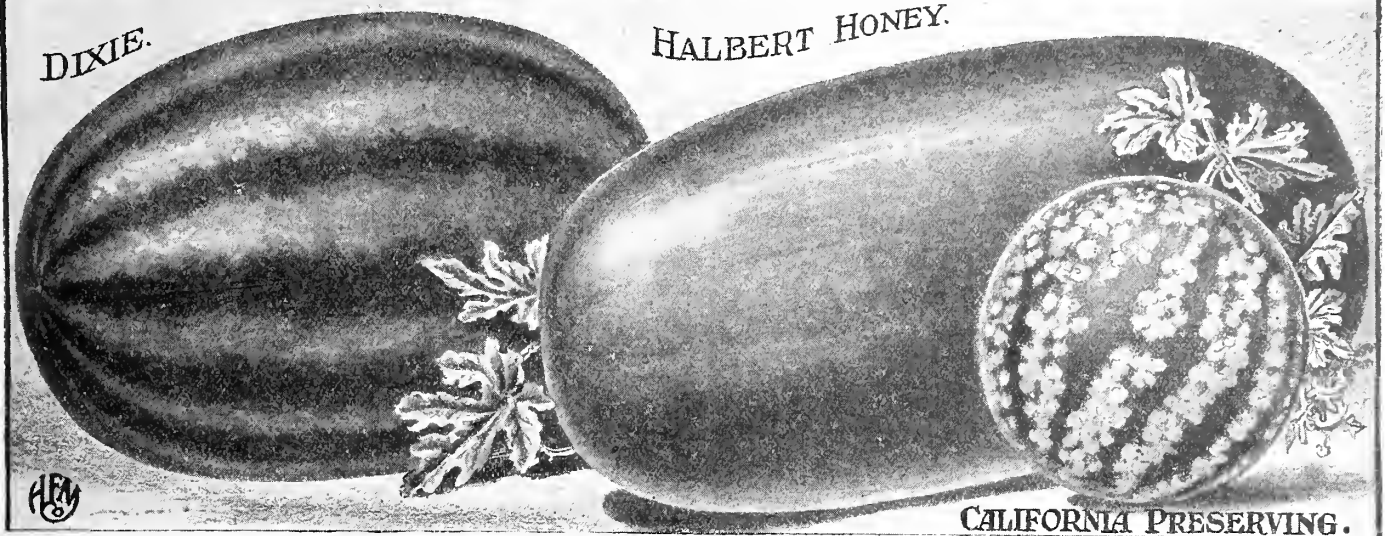
### Southern Giant Curled.

The best of the curled mustards; of sweet flavor; matures very early and produces abundant foliage. Pkt., 10c.; 15c. per oz.; ¼ lb., 35c.; \$1.25 per lb.

**White or Yellow.** Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 35c. per ¼ lb.; lb., \$1.25.



Mustard



Melon d'eau (Fr.); Wasser Melone (Ger.); Cocomero (Ital.)  
 One ounce will plant thirty hills, four pounds for an acre.

Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every 3 feet. A little land plaster dusted over the young plants will keep beetles away. Watermelons require planting after the soil has become thoroughly warm, say about May 10th in the latitude of Philadelphia. Our list of watermelons is limited, as we offer only the varieties which from experience we know are the better ones. Note.—Watermelon seed sent postpaid at prices quoted.

**Dixie.** The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the old-time favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt., 5c.; large pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb.

**Halbert Honey.** An ideal family garden, or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green, while the flesh is a rich crimson. It tastes like a sugar stick and it melts under pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb.

**Kleckley Sweets.** A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.25 per lb.

ALL SEEDS offered on this page mailed at quoted prices except Mangel-Wurzel.

**Tom Watson.** A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh, which is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities. The rind being tough, it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb.

**PRESERVING MELON, OR CITRON**

A large-fruited variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

California Red Seeded. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 40c. per ¼ lb.; lb., \$1.25.

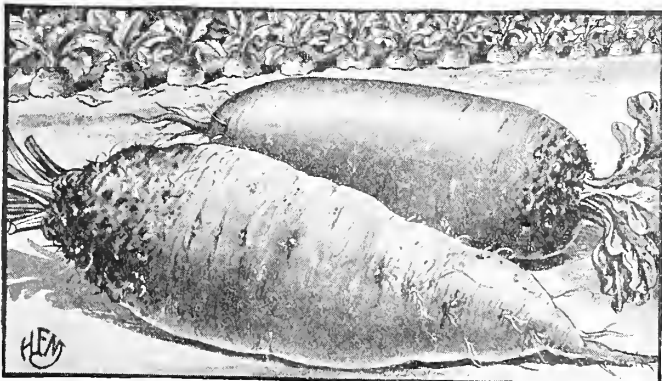
**"BLACK LEAF 40"**

A splendid nikoteen preparation for spraying under the foliage of melon vines, for destroying the aphid, green fly and melon louse. Oz., 25c.; \$1.00 per ½ lb.; 2 lbs., \$3.25; \$13.75 per 10 lbs. If wanted by parcel post allow for mailing.

**MANGEL-WURZEL OR CATTLE BEETS**

Seed selected from specimen roots.

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills about 24 inches apart. Thin out to 12 inches apart in the row, and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzels. They provide excellent winter food for cattle, sheep, hogs and poultry.



Michell's Mammoth Long Red and Golden Tankard Mangels

**Golden Tankard.** The best long yellow mangel in cultivation. Relished by cows, sheep and hogs. Matures earlier than other large sorts. Pkt., 5c.; 15c. per oz.; per ¼ lb., 30c.; \$1.00 per lb.; 5 lbs., \$4.00.

**Lane's Improved White Sugar.** This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. Pkt., 5c.; 15c. per oz.; ¼ lb., 30c.; \$1.00 per lb.; 5 lbs. for \$4.00.

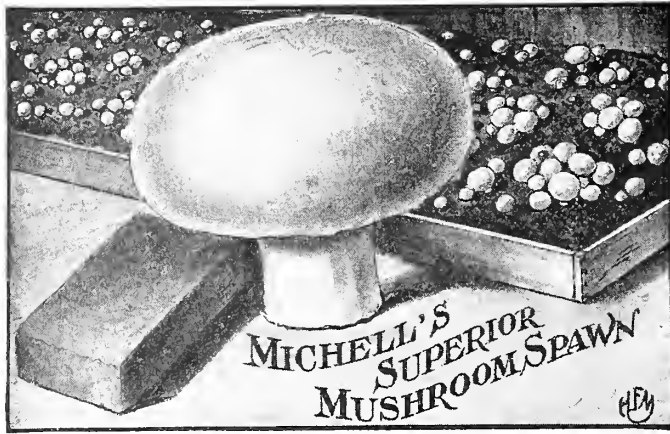
**Mammoth Long Red.** This is an enormously productive variety, yielding from 50 to 75 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. Pkt., 5c.; 15c. per oz.; ¼ lb., 30c.; \$1.00 per lb.; 5 lbs., \$4.00.

**Red Globe.** An excellent sort, very prolific, good for late planting. Pkt., 5c.; 15c. per oz.; ¼ lb., 30c.; \$1.00 per lb.; 5 lbs., for \$4.00.

**Yellow Globe.** Contains a large amount of sugar properties, and can be used for replanting quite late. Pkt., 5c.; 15c. per oz.; ¼ lb., 30c.; \$1.00 per lb.; 5 lbs., \$4.00.

Note.—If Mangel-Wurzel is desired by parcel post, please allow 5c. per lb. for mailing charges.

# MICHELL'S VEGETABLE SEEDS, ETC.



## MICHELL'S "SUPERIOR" MUSHROOM SPAWN

If wanted by mail, allow for postage at rate of 10c. per brick.

Mushrooms are within the reach of anyone who has a greenhouse or a cellar. A crop is produced with good spawn, and a little care and patience in about 4 to 6 weeks, and continues bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well. Ask for our Free Booklet on Mushroom Culture, which also describes, further, these different spawns. 1 Brick will spawn 8 to 10 sq. ft.

### BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain, originating in the section of Pennsylvania that supplies New York and Eastern markets with mushrooms. It appears to be especially full of life and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per Brick .....\$0.35 Per 10 Bricks.....\$2.75  
Per 5 Bricks..... 1.50 Per 25 Bricks..... 6.50  
Per 50 Bricks.....\$12.50

### AMERICAN SPORE CULTURE SPAWN

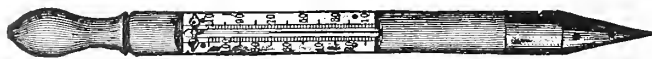
This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by the spore process, now regarded as the very best method of making. Pure culture bricks of spawn, which, when planted, produce mushrooms all of one type.

Direct No. 8. Cream White. For use from April to October.  
Direct No. 9. Pure White. For use from October to April.

Per Brick .....\$0.35 Per 10 Bricks .....\$2.75  
Per 5 Bricks ..... 1.50 Per 25 Bricks ..... 6.50  
Per 50 Bricks.....\$12.50

### Books on Growing Mushrooms

Pamphlet (gratis for a postal card asking for it).  
Robinson's Book (postpaid) .....\$0.75  
Falconer's Book (postpaid) ..... 1.50



## MUSHROOM OR HOT BED THERMOMETERS

Heavy Galvanized Iron Point .....\$2.25  
Brass Point Wood Case Paper Scale ..... 2.00  
Thermometers should, wherever possible, be sent by express. We do not guarantee safe arrival if forwarded by parcel post.

Rydal, Pa.

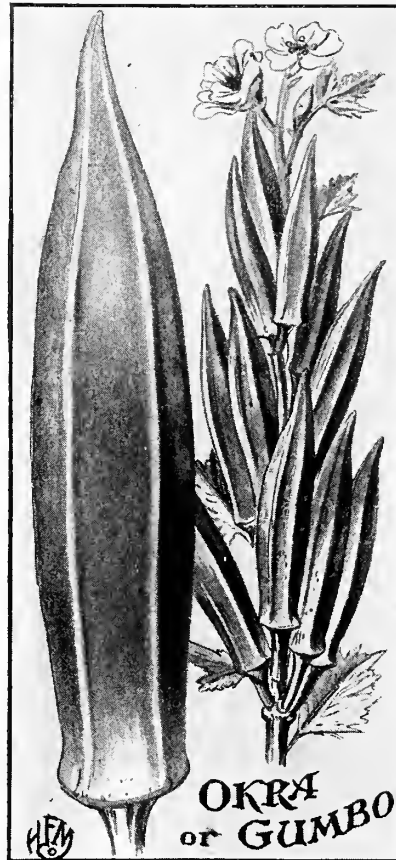
The last Mushroom Spawn I got from you is giving us the most delicious mushrooms I ever tasted.  
M. BAYARD.

Prices of all seeds quoted on this page (except Mushroom Spawn and Onion Sets) postpaid.

## OKRA OR GUMBO

Gombo (Fr.); Essbarer Hibiscus (Ger.); Ibisco (Ital.)  
One oz. will plant a row about 200 feet long; 1 lb. required for 3000-foot row.

The seed is sown in rows, thickly like peas (in ground that is rich), after the frost and cold have disappeared, the rows, 3 feet apart; when about 6 inches high the plants should be thinned out to stand 6 inches apart in the row. The pod is used when young and tender sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun; after being cured in this way it should be put on the pantry shelf for use during the winter. In this way one may have delicious Chicken Gumbo soup any day of the year.



**Perkins' Long Pod (Improved Strain).** A wonderful dwarf type, setting pods when the plants are only a foot high. It can be planted somewhat earlier than other sorts. The pods are exceedingly long and tender and of a dark green color. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 40c. per 1/4 lb.; lb., 85c.

**White Velvet or Creole.** The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green, almost white in color. Pkt., 10c.; 15c. per oz.; 1/4 lb., 30c.; 75c. per lb., postpaid.

## ONION SETS

One quart will plant a row about 50 feet

Plant just as soon as the ground can be worked. Press the bulb in the ground lightly (and do not cover); in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion, on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in the locality of Philadelphia for winter storage as early as July 10th. The advantage in planting onion sets lies in the fact that the young onion is ready often in 5 weeks from the time of planting, while those grown from seed cannot be used until well in the autumn. For illustration see page 29.

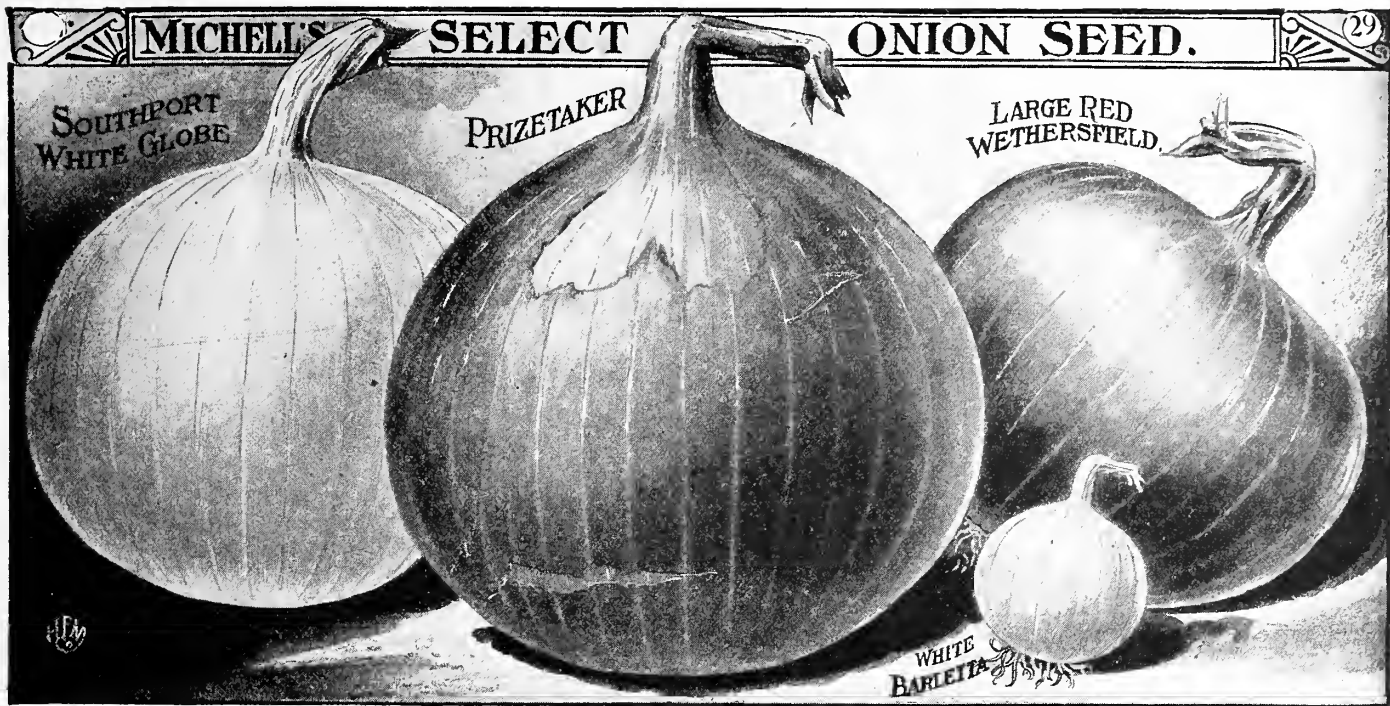
Shipped on Local Orders about March 10, unless otherwise requested.

If wanted by mail, add 5c. per pint and 10c. per quart for postage.

	Pint	Quart
Yellow .....	\$0.15	\$0.30
White .....	.20	.40
Red .....	.20	.40
White Multiplier .....	.20	.40
Potato Onions .....	.20	.40
Shallots .....	.30	.60
Tree or Top Onions. Can be supplied in September and October.		
Garlic Sets. Per lb., 65c.; \$3.10 per 5 lbs.		
We give 32 lbs. per bushel on Onion Sets.		

Prices change constantly. Prices for larger quantities than here quoted on application.





Ognon (Fr.); Zwiebel (Ger.); Cipolla (Ital.)

To grow full size onions, one ounce of seed will sow a 100-foot row; 5 to 6 pounds are required per acre. If it is desired to grow onion sets, sow 25 to 30 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when 3 inches high, so that they stand about 2 or 3 inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping.

**Ailsa Craig.** The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at the top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplant where they are to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. Pkt., 15c.; 40c. per ½ oz.; oz., 75c.; \$2.00 per ¼ lb.

**Bermuda White.** An early variety, producing an immense flat partially globe-shaped bulb, producing (when transplanted about 4 inches apart) gigantic onions the first season. In the raw state it is very mild, while, when cooked, the flesh is tender and of a delicious flavor. For slicing it is one of the best. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.15 per ¼ lb.; lb., \$4.00.

**Danvers Yellow Globe.** This almost round shaped onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to a large size. 5c. per pkt.; large pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

**Giant Gibraltar.** While not a new variety it is a splendid sort for the home garden. It grows to a mammoth size, some claim it to be even larger than Ailsa Craig under the same growing conditions. It is a light straw-yellow color, in shape not quite so globular as the former. It is rather mild in flavor and a splendid keeper. (Crop failed.)

**Large Red Wethersfield.** A flat, large growing variety. The red onions are excellent winter keepers; flavor much like the yellow sorts; full-size onions can be grown in one season. Pkt., 10c.; ½ oz., 20c.; oz., 35c.; \$1.00 per ¼ lb.; lb., \$3.25.

**Prizetaker.** A mammoth yellow variety; if sown thinly it produces full-size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. or more each. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.; \$3.75 per lb.

**Southport Yellow Globe.** Similar to the Danvers except larger in size, more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

All seeds offered on this page sent postpaid at quoted prices.

**Southport White Globe.** A beautiful type of an almost round onion, growing to enormous size. This is perhaps the best onion of all for family use. The flesh when cooked is of a rich milky color, of tender and delicious flavor, and in the raw state it is one of the mildest. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.50 per ¼ lb.; lb., \$5.00.

**White Barletta.** Extra early small round variety, used principally for pickling. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.50 per ¼ lb.; lb., \$4.75.

**Winter Keeper.** A new round-shaped yellow variety of good size; a wonderful keeper, lasting well into the summer. For home garden or market purposes it should prove to be a winner. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.25.

**White or Silver Skin.** The standard white onion for market or home use; it is of very mild flavor; semi-globe shaped and very uniform in growth and size. Pkt., 5c.; 10c. per large pkt.; ½ oz., 20c.; 40c. per oz.; ¼ lb., \$1.35; \$4.50 per lb.

**Yellow Strasburg or Dutch.** A dark straw color skinned sort; almost flat in shape, but a large onion. Its fine keeping qualities is what recommends itself to the home, as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets, more of this variety is sold than any other. One of the best winter keepers. Pkt., 10c.; ½ oz., 15c.; 30c. per oz.; ¼ lb., \$1.00; \$3.25 per lb.



We make a specialty of Choice Onion Sets (see Page 28).

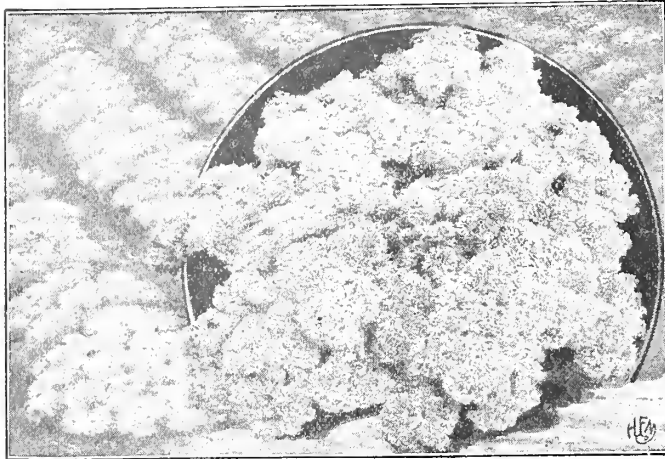
**ONION CULTURE.** A good book by a Practical Grower, 75c. per copy.

### BOOKS ON GARDENING

The pleasures of gardening are materially increased with the aid of a good book on the subject. On page 175 of this catalog is offered a comprehensive list of them, which cover almost every phase of gardening. Add a few copies to your library.

All prices subject to change without notice.

# MICHELL'S VEGETABLE SEEDS



Double Curled Parsley

## PARSLEY

Persil (Fr.); Petersilie (Ger.); Prezzerolo (Ital.)

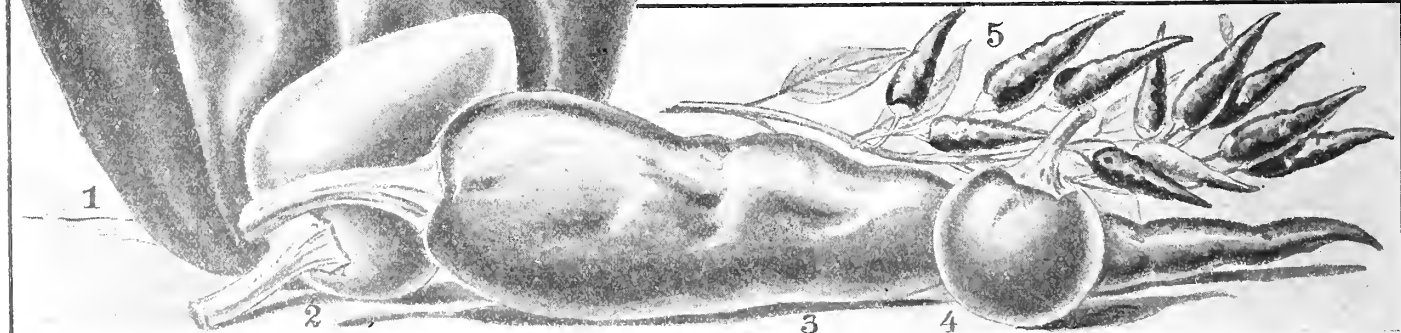
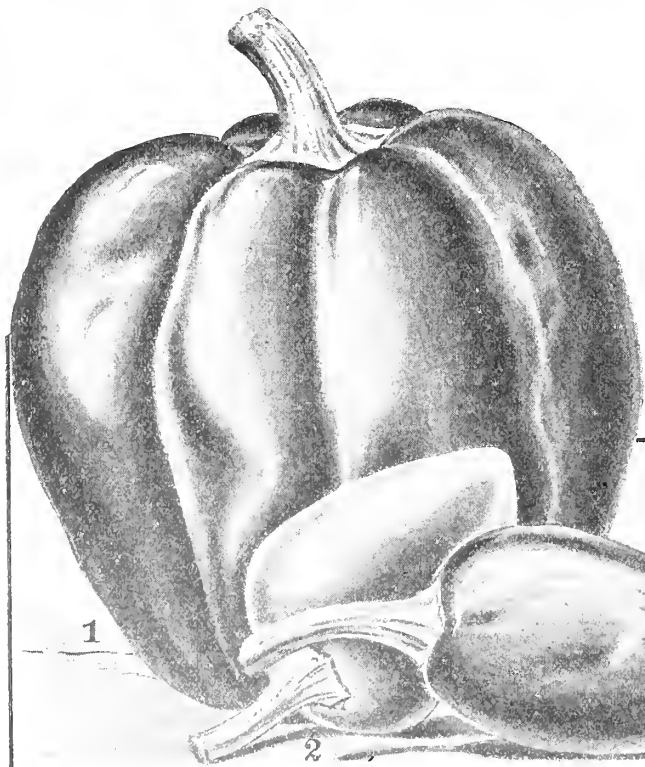
One ounce will sow a row 100 ft. long.

After soaking the seed for a few hours in warm water, it should be sown in rows 18 inches apart, and when 2 inches high thinned out so the plants will stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is necessary. Parsley can be continued over winter, if given a heavy covering of long manure.

**Champion Moss Curled.** Beautifully crimped and curled. It can be cut the year round. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 45c. per  $\frac{1}{4}$  lb.; lb., \$1.50.

**Double Curled or Covent Garden.** A great improvement over all other varieties; nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 45c.; \$1.50 per lb.

**Hamburg or Rooted.** The fleshy roots are used for flavoring soups, stews, etc. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 45c.; \$1.50 per lb.



PEPPERS. 1, Chinese Giant. 2, Celestial. 3, Cayenne. 4, Cherry. 5, Chili

All seeds offered on this page (not plants) mailed postpaid at quoted prices.

## PARSLEY PLANTS (Ready in April)

Large specimens; pot-grown, ready for use. Doz., 75c.; \$5.50 per 100. These plants cannot be mailed satisfactorily.

## PARSNIP

Panais (Fr.); Pastinake (Ger.); Pastinaca (Ital.)

One ounce will sow a row 150 feet long; 5 lbs. per acre.

Sow early in the spring in drills about 24 inches apart, covering the seed slightly; when the plants are 2 or 3 inches high, thin out so the roots will develop; cultivate well during the growing season.

**Improved Sugar or Hollow Crown.** A very thick, broad-topped root, which makes it lift easily. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white. It yields enormous crops. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per  $\frac{1}{4}$  lb.; lb., \$2.00.

## PEPPER

Piment (Fr.); Pfeffer (Ger.); Peperone (Ital.)

One ounce produces 1200 plants.

Sow the seed in a hothed or window box about March 1st. Transplant to the open when all danger from frost is over, in rows 3 feet apart, 15 inches apart in the row.

**Bell or Bull Nose (Sweet).** Very thick flesh, perfectly mild and a great producer. The large fruits are green, turning to vivid scarlet; fine for slicing on tomatoes, or stuffed as mangoes. Pkt., 5c.; 10c. per large pkt.;  $\frac{1}{2}$  oz., 30c.; 60c. per oz.;  $\frac{1}{4}$  lb., \$2.25.

**Cayenne.** A long red variety; very hot and used principally for bunching with pot herbs. Pkt., 10c.; 25c. per  $\frac{1}{2}$  oz.; oz., 40c.; \$1.50 per  $\frac{1}{4}$  lb.

**Chinese Giant.** A monster pepper; perfectly sweet; green fruit, turning bright scarlet; matures very late; a very shy seeder. Fine for stuffed mangoes. Pkt., 10c.; 45c. per  $\frac{1}{2}$  oz.; oz., 85c.; \$2.75 per  $\frac{1}{4}$  lb.

**Golden Dawn.** A large yellow variety, shaped like the Chinese Giant; very sweet. Pkt., 10c.; 20c. per  $\frac{1}{2}$  oz.; oz., 40c.; \$1.50 per  $\frac{1}{4}$  lb.

**Pimiento.** See page 7 for illustration and full description. A splendid, uniformly shaped, sweet variety. Green fruit, changing to red when fully ripe. Pkt., 10c.; 30c. per  $\frac{1}{2}$  oz.; per oz., 60c.; \$2.00 per  $\frac{1}{4}$  lb.

**Red Cherry.** Round, very small; bright red berries or fruit. Pkt., 10c.; 20c. per  $\frac{1}{2}$  oz.; oz., 40c.

**Red Chili.** Very small miniature peppers; long fruit. Pkt., 10c.; 20c. per  $\frac{1}{2}$  oz.; oz., 40c.

**Ruby King.** A large red variety resembling Bull Nose. Pkt., 10c.;  $\frac{1}{2}$  oz., 30c.; 60c. oz.;  $\frac{1}{4}$  lb., \$2.00.

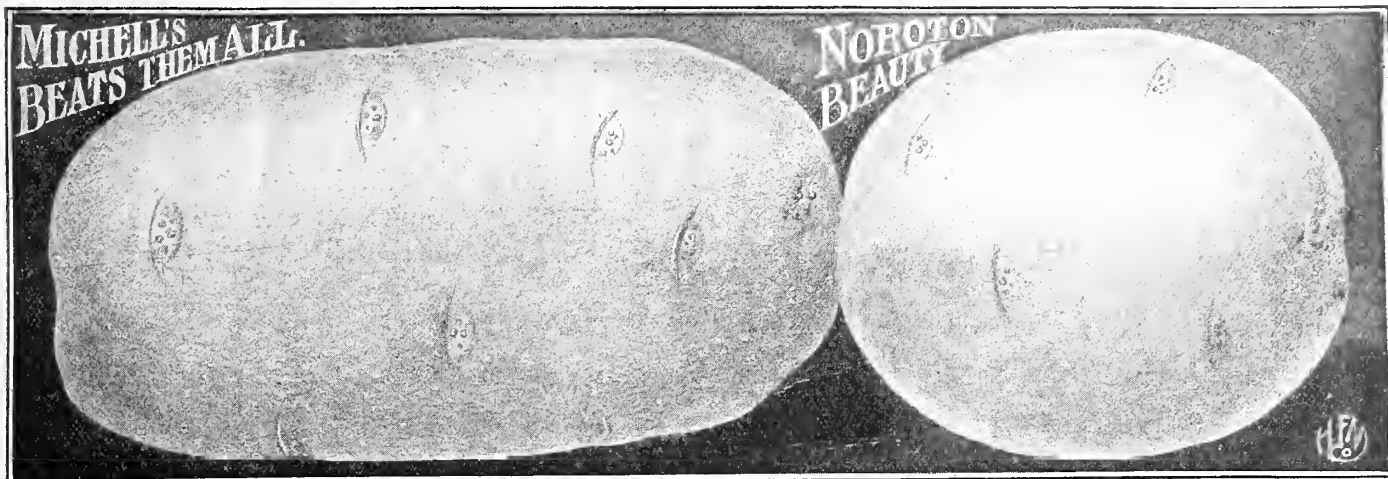
**Ruby Giant.** Very large; adapted for stuffing; mild flavor. Pkt., 10c.; 30c. per  $\frac{1}{2}$  oz.; oz., 60c.; \$2.25 per  $\frac{1}{4}$  lb.

**World Beater.** This variety is very similar to Ruby Giant, in fact some claim it to be an improvement over that variety. Choice seed, grown in New Jersey. Pkt., 10c.; 35c. per  $\frac{1}{2}$  oz.; oz., 70c.; \$2.50 per  $\frac{1}{4}$  lb.

## PEPPER PLANTS (Ready in May)

Pot Grown Plants. Per doz., 75c.; \$5.50 per 100.

Pomme de Terre (Fr.); Kartoffel (Ger.); Patata (Ital.)  
Our Potatoes are Grown Expressly for Seed Purposes in the Best Districts of Maine.



**TIME OF SHIPMENT.**—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship at customer's risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each. Shipping in barrels can be made at a cost of 75c. each for barrels.

**Beats Them All (Michell's).** This famous variety has given the best results wherever tried, yielding more than any other early potato; quality fine, extremely early, coming in about one week or ten days earlier than Early Rose. Oblong in shape.

**Beauty of Hebron.** Somewhat earlier than Early Rose, otherwise very similar. Good yielder.

**Bliss Triumph, or Red Bliss.** A very early thin-skinned variety; they are frequently offered as Southern or Bermuda potatoes.

**Dibbles Russet.** A splendid late variety; claimed to be absolutely rust and blight proof; medium size; oval or flat in shape.

**Early Ohio.** A seedling of the Early Rose; ripens about a week earlier; slightly round in shape.

**Early Rose (Houlton or Maine).** A leading variety for earliness, quality and productiveness; pink skin; oblong shape.

**Gold Coin.** This potato seems to be in great demand, though by no means a new one. It is large, somewhat roundish flat and a wonderful cropper; a late maturer.

**Green Mountain.** An excellent general crop variety; white, roundish flat.

**Irish Cobbler.** A splendid sort, almost round in shape.

**Jersey Red Skin.** These are especially adapted for planting in light, sandy soil late in June and in early July. They are oval shaped, medium size and cook pure white.

**Noroton Beauty.** The earliest and most productive potato grown, and of superb table qualities. Red skin; round in shape.

**State of Maine.** An old favorite, grown by every gardener; good keeper; flat in shape.

### POTATO CULTURE (By Rogers).

A practical treatise on this very important crop. Per copy, 60c.; postpaid.



### PEANUTS

Arachide (Fr.); Erdnuss (Ger.);  
Cece de terra (Ital.)

One bushel nuts unshelled will plant an acre, but shell must be removed beforehand.

It is generally believed peanauts cannot be grown anywhere north of Virginia, but this is a mistake; most any well-drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen. Selected Virginia. 1/2 lb., 25c.; 45c. per lb.; 5 lbs., \$1.75.

**PENNYROYAL (Herb).** Pkt., 10c.; 35c. per 1/2 oz.; oz., 70c.

### REGARDING POTATO PRICES

At the time of printing this catalog prices for potatoes could not be anticipated. We can, however, assure our customers that we will fill their orders at the market price for first-class quality. Please do not compare Maine-grown Seed Potatoes, which we handle exclusively, with New York State grown stock.

There are more varieties of Seed Potatoes than those we offer, but those listed here are tried and proved.

### SWEET POTATO PLANTS (Ready in May)

Yellow and Red Nansemond. Per 100, \$1.00; \$7.50 per 1000.

We regret we cannot supply tubers of sweet potatoes.

### HYBRIDIZED POTATO SEED

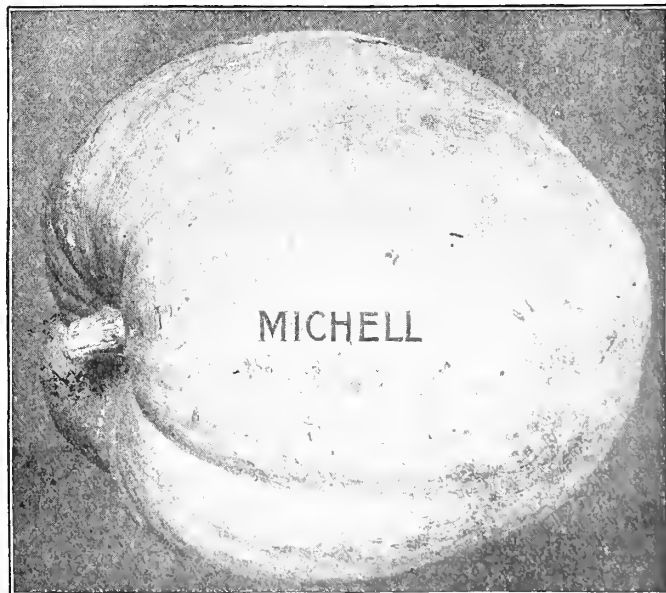
Growing new and distinct Seedling Potatoes from the seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The product will astonish you. Some may be of immense value and bring you a splendid harvest. Full directions on packet. Pkt., 15c.; 25c. for 2 pkts.

### CONCAVE POTATO KNIVES

For cutting out the eyes of seed potatoes prior to planting. Made of best steel with concave blade. Price, 45c.

### POTATO SCAB DESTROYER (A Formaldehyde)

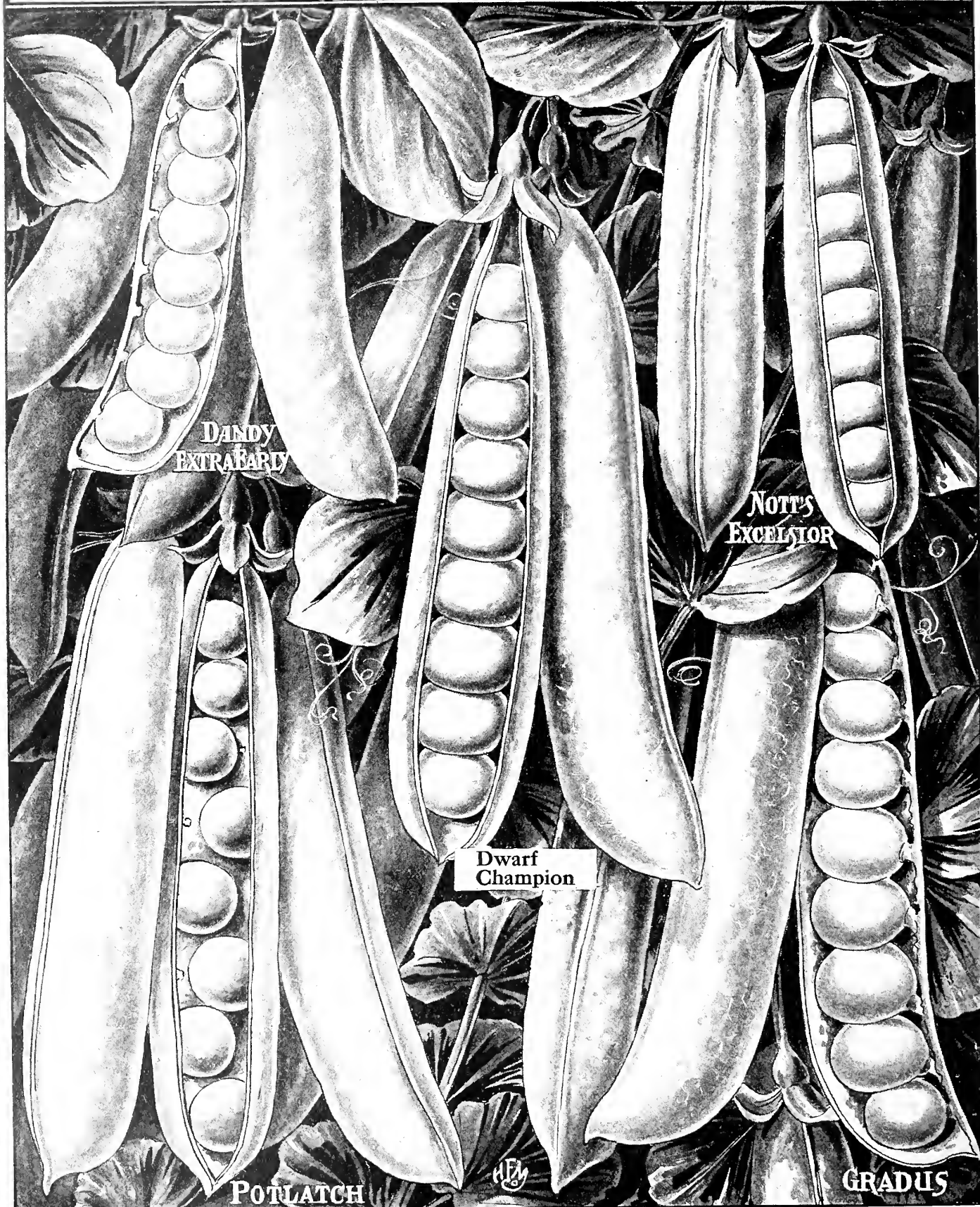
Dilute 1 quart in 25 gallons of water and soak the seed potatoes in this solution for 2 hours before cutting. They should then be taken out and dried; 25 gallons treating liquid is sufficient for approximately 15 bushels of potatoes. 85c. per pt.



Pumpkin—Large Tours or Mammoth

(For list of varieties of Pumpkin, see page 34.)

# MICHELL'S CHOICE GARDEN PEAS \*



DANDY  
EXTRA EARLY

NOTT'S  
EXCELSIOR

Dwarf  
Champion

POTLATCH



GRADUS

# MICHELL'S CHOICE GARDEN PEAS 33

Pois (Fr.); Erbsen (Ger.); Pisello (Ital.)

2 lbs. will plant 100 ft. of row; 90 to 120 lbs. per acre.

**NOTE.**—If Peas are wanted by parcel post, allow for mailing charges as per table on Page 1.

Large Pkts. of all Varieties of Peas, 10c. Postpaid.

The smooth-seeded varieties may be sown as soon as the ground can be worked; the wrinkled sorts when the ground has become warmer. The distance apart for planting depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and a final planting again about August 15th. For the last planting use the dwarf early varieties.

## EXTRA EARLY VARIETIES

**Alaska.** Smooth seeded; very early; height 2½ feet. 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.00 per 25 lbs.

**Dandy Extra Early.** This is a selection of the Eureka, but will be found far superior; smooth seeded, very prolific and desirable for the kitchen and market garden; height 24 inches. 35c. per lb.; 2 lbs., 65c.; \$1.60 per 5 lbs.; 10 lbs., \$3.00; \$6.50 per 25 lbs.

**Early June.** A green seeded, smooth pea, desirable for first planting, an improvement on Alaska; height, 2½ feet. 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.00 per 25 lbs.

**Early Morn.** One of the earliest of wrinkled peas, earlier and better, it is claimed, than Gradus or Thomas Laxton. The pods are large and well filled, mature in 60 days; very prolific. 35c. per lb.; 2 lbs., 65c.; \$1.60 per 5 lbs.; 10 lbs., \$3.10; \$7.25 per 25 lbs.

**Gradus or Prosperity.** Never was there a pea offered which is so greatly demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. 55c. per lb.; 2 lbs., \$1.05; \$2.50 per 5 lbs.; 10 lbs., \$4.75; \$11.25 per 25 lbs.

**Little Marvel.** Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Crop failed.

**Michell's Special Ex. Early.** Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender, a grand yielder; height, 24 inches. 40c. per lb.; 2 lbs., 75c.; \$1.80 per 5 lbs.; 10 lbs., \$3.50; \$7.50 per 25 lbs.

**Not's Excelsior (Improved Strain).** A splendid early wrinkled pea, producing heavy crops of full pods very early. One of the leading varieties for the home or market garden. Height, 15 inches. 50c. per lb.; 2 lbs., 95c.; \$2.25 per 5 lbs.; 10 lbs., \$4.00; \$9.50 per 25 lbs.

**Sutton's Excelsior.** This wrinkled variety is quite hardy and can be planted earlier than most other wrinkled sorts; very early. It grows about 16 inches high, and makes a long, broad pod, well filled; it follows the extra early sorts and is a great producer. 55c. per lb.; 2 lbs., \$1.05; \$2.50 per 5 lbs.; 10 lbs., \$4.75; \$11.25 per 25 lbs.

**The Pilot or Leader.** The earliest of round-seeded varieties. The pods and peas are nearly as large as those of Gradus. It can be planted, of course, much earlier. The vines are of vigorous growth, 3 feet high, and produce an abundance of pods. The peas are of finest flavor. 50c. per lb.; 2 lbs., 95c.; \$2.25 per 5 lbs.; 10 lbs., \$4.25; \$10.00 per 25 lbs.

**Thos. Laxton.** On a par with Gradus in quality; heavy producer; wrinkled; exceedingly early. The pods are large and filled to the tip with large peas of excellent flavor. Its strong vine and heavy cropping qualities make it very suitable for an early crop in the private garden; height, 36 inches. 55c. per lb.; 2 lbs., \$1.05; \$2.50 per 5 lbs.; 10 lbs., \$4.75; \$11.25 per 25 lbs.

## SECOND EARLY VARIETIES

**Bliss Abundance.** Produces very large pods containing six and even more peas of a delicious flavor; a great yielder; wrinkled; height, 20 inches. 35c. per lb.; 2 lbs., 65c.; \$1.60 per 5 lbs.; 10 lbs., \$3.00; \$7.00 per 25 lbs.

**Daisy or Dwarf Telephone.** One of the best medium early sorts, bearing large pods in the greatest abundance; wrinkled and very sweet; height, 18 inches. 55c. per lb.; 2 lbs., \$1.05; \$2.50 per 5 lbs.; 10 lbs., \$4.75; \$11.25 per 25 lbs.

**Pottlatch.** A wrinkled variety, similar to Daisy, very sweet, produces pods well filled with peas. 40c. per lb.; 2 lbs., 75c.; \$1.85 per 5 lbs.; 10 lbs., \$3.50; \$7.75 per 25 lbs.

## SUGAR OR EDIBLE POD PEAS

This type produces large, well-filled pods. They are cooked with the peas intact; very tender and exceedingly sweet. Many people are disappointed in using these for the first time; they cook rather to brownish finish, but make a delicious vegetable; we recommend that the cook experiment with them before condemning them.

**Dwarf Gray Sugar.** Gray seed; height, 2 feet. 40c. per lb.; 2 lbs., 70c.; \$1.75 per 5 lbs.; 10 lbs., \$3.25.

**Tall Melting Sugar.** Gray seed; height, 4 feet. 40c. per lb.; 2 lbs., 70c.; \$1.75 per 5 lbs.; 10 lbs., \$3.25.

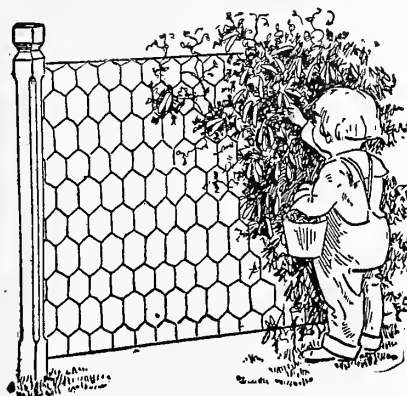
**NOTE.**—Peas are an exceptionally scarce item in the seed business this year, owing to the very poor crop harvested. It is important that one covers their requirements early, as there will not be nearly enough seed to fill normal needs.

## GENERAL OR LATER CROP VARIETIES

**Champion of England.** A very tall, rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Many of the old-time gardeners still cling to this as their favorite. 45c. per lb.; 2 lbs., 85c.; \$1.90 per 5 lbs.; 10 lbs., \$3.60; \$8.00 per 25 lbs.

**Dwarf Champion.** Possesses most all the good qualities of the famous Champion of England, and has the further advantage of being dwarf; a very delicious pea which should be planted extensively; height, 2 feet. 40c. per lb.; 2 lbs., 75c.; \$1.85 per 5 lbs.; 10 lbs., \$3.50; \$7.75 per 25 lbs.

**Telephone (Tall).** The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, 3½ feet. 45c. per lb.; 2 lbs., 85c.; \$2.00 per 5 lbs.; 10 lbs., \$3.75; \$8.50 per 25 lbs.



## WIRE PEA TRELLIS

The ideal support for garden peas and sweet peas; neater, more economical than brush; can be rolled up when the season is over and stored. Made of strong galvanized netting and substantial uprights, neatly painted and finished. Ten-ft. sections, 48 inches high. Price upon application.

## IMPROVED WATER SEAL CANNER



## REDUCE YOUR HOUSEHOLD EXPENSES

Put up your own Vegetables and Fruits with an Improved Water Seal Canner. It gives the necessary rapid application of heat, and maintains it uniformly as long as required. Therefore it insures canned fruits and vegetables that retain their natural color, delicious flavor, rich food value and firmness. Strongly built of galvanized iron, with brass fittings. The Water Seal Canner is portable and adapted to kitchen stove, gas range or open fireplace.

No. 1, capacity 13 one-quart glass jars, or 17 three-pound cans, \$12.50 each.

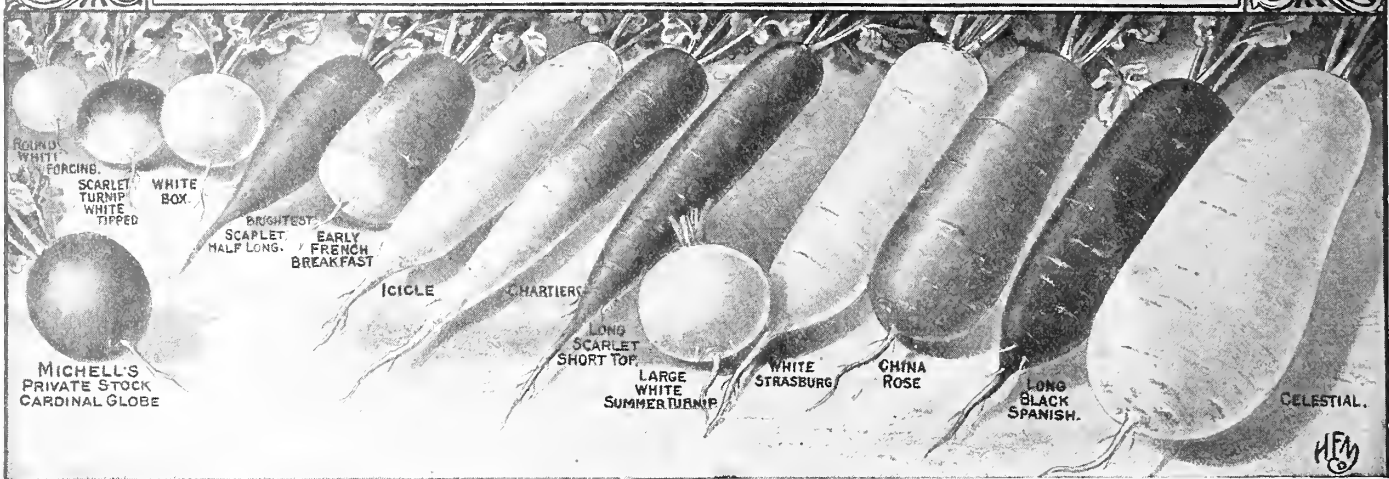
No. 7, capacity seven one-quart glass jars or 10 one-pint glass jars, \$7.00 each.

Write for special circular.

## MULFORD CULTURE (Legume Bacteria)

For promoting the growth of peas and big crop yields Mulford Culture will be found of great advantage; it encourages vigorous vines, well-filled pods, and makes it possible for the plants to withstand drought and disease better. 25c. per trial bottle; ¼-acre bottle, 50c.; \$1.50 per acre bottle. For complete details see page 41.

# MICHELL'S SELECT RADISH SEED



Radis (Fr.); Radieschen (Ger.); Ravanelli (Ital.)

One ounce of seed will sow a row about 75 feet long; 8 to 10 lbs. are required for an acre.

Radishes should be sown in good rich ground, where they can make rapid growth, for they only do they produce the best results. The winter radishes are sown in July and are developed by autumn, at which time they may be taken up and stored in cool cellars and covered with sand.

## EARLY VARIETIES

- Cardinal Globe (Improved Strain).** This popular radish will be welcomed readily in an improved form. The color and shape, a vivid scarlet oval form, are perfect. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per ¼ lb.; lb., \$1.75.
- Early French Breakfast.** Oblong shape; rapid grower; very mild and tender; of a beautiful scarlet color, tipped with white. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.
- Icele (Improved Strain).** A magnificent white variety of fine taste; grows 3½ to 4 in. long in 22 days. Also suitable for summer sowing. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.
- Long Scarlet Short Top, or Salmon.** A favorite variety; long, bright scarlet with small top. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.
- Round Red Forcing, or Button.** Very quick in maturing; splendid for hot bed or garden culture. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.
- Scarlet Turnip, White Tipped.** Fine early scarlet variety with white tip. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.
- White Box, Felton's. (Private stock.)** A selection of the old reliable White Box radish; more perfect form, producing shorter tops, and does not have a tendency to grow long in shape. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per ¼ lb.; lb., \$1.75.

NOTE.—All seeds offered on this page are mailed postpaid at prices quoted.

## PUMPKIN (See illustration on page 31)

Potiron (Fr.); Grosse Kurbis (Ger.); Zucca (Ital.)

One ounce will plant 25 hills; 4 to 6 lbs. for an acre.

- Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines, they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working.
- Cashaw, or Golden Crook Neck.** A very meaty sort; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; lb., \$2.00.
- Connecticut, or Common Field.** Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.
- Japanese Pie.** A crook-necked variety; deep green with darker stripes, which turn to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed, which is curiously marked like Japanese letters of the alphabet. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 lb.
- Large Tours, or Mammoth.** The biggest pumpkin in cultivation, producing fruits that often weigh 200 lbs. When fully ripened it is of a golden orange color, free from stringiness and ideal for pie-making or cooking. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.75.

## SUMMER AND WINTER VARIETIES

- China Rose.** Bright rose color; flesh firm. One of the best for winter use. Half-long in shape with a scarlet blunt tip. Winter radishes should be cultivated more extensively than they are. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.
- Celestial, or White Chinese.** Large size. Pure white; excellent keeper. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.
- Half Long Black.** A great improvement on the old Long Spanish Radish. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.
- White Strasburg.** Oblong; of a pure white color, and mild flavor; a splendid variety for summer. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per ¼ lb.; \$1.75 per lb.

### TESTIMONIAL.

Absecon, N. J.

Please send me the enclosed order. All seeds I have bought of you are A 1, and I am perfectly satisfied.

CHAS. FOSTER.

- Large Cheese.** A very large, flat-ribbed fruit, of a beautiful, buff yellow color; the interior is of fine quality. An enormous producer; ideal for market, home gardens and canning purposes. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 lb.
- Tennessee Sweet Potato.** An oblong-shaped, medium-sized fruit, with a very light buff yellow skin. For pies it is delicious, while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 65c. per ¼ lb.; lb., \$2.00.
- Winter Luxury.** Known as the New England pie pumpkin. No Thanksgiving dinner there is complete without the palatable pumpkin pie, made from this variety. This is also used for making Jack-o'-Lanterns, for which purpose it is well suited, on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh golden orange when ripe. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 per lb.

### MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you. Just say, Send me "Practical Garden Pointers."



## RHUBARB (See illustration above)

Rhubarb (Fr.); Rhabarber (Ger.); Rabarbaro (Ital.)

Seed should be sown outdoors in April in rows 3 ft. apart. The following spring the roots should be transplanted into permanent beds and placed 3 feet apart each way; the year following that, or two years after sowing the seed, the rhubarb may be used. Do not cut rhubarb, pull it so that it comes out whole from the crown. After it starts to seed the plants should be allowed to rest and develop further for succeeding years. Roots may be planted in October or in the spring up to May 15th.

**Victoria.** Immense long stalks of a cherry red color; a most popular variety. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 50c. per 1/4 lb.; lb., \$1.50.

## RHUBARB ROOTS

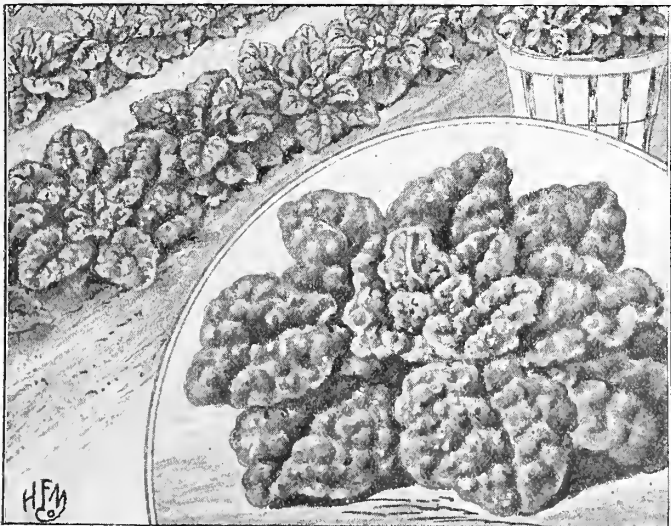
**Victoria, First Size Roots.** 15c. each (by mail, 20c.); doz., \$1.50; \$10.00 per 100.

**Victoria, Mammoth Roots.** For forcing, or outdoor planting. 25c. each (not mailable); doz., \$2.50; \$4.25 for 25; 100, \$15.00.

## RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart, and when 3 inches high, thinned out to get the greatest root development. They need to be cultivated liberally and hilled up when about 6 inches high.

**Private Stock Purple Top Yellow.** This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 45c. per 1/4 lb.; lb., \$1.50.



Spinach, Michell's Improved Strain Bloomsdale

NOTE—All seeds on this page sent postpaid at quoted prices.

## VARIOUS HERBS

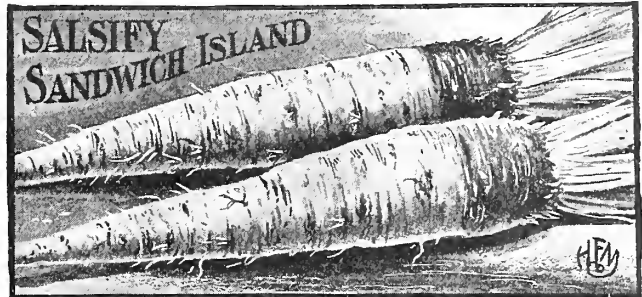
Partial list, in alphabetical order. For complete, condensed list see page 38.

	Pkt.	1/2 oz.	oz.
Rosemary .....	\$0.10	\$0.30	\$0.50
Saffron .....	.10	.15	.25
Sage .....	.10	.25	.45
Summer Savory .....	.10	.20	.35
Savory (Winter) .....	.10		
Sweet Basil .....	.10	.15	.30
Sweet Marjoram. American-grown Seed....	.10	.40	.75
Sweet Marjoram. Imported Seed.....	.10	.25	.45

## SORREL

Oseille (Fr.); Saucrampf (Ger.); Acetosa (Ital.)

Relished principally by the French people, who use it as a spinach dressing; also as a salad. Has an acid flavor. A sowing lasts a number of years. The seed stalks should be cut off when they appear. Pkt., 5c.; large pkt., 10c.; 20c. per oz.; 65c. per 1/4 lb.; lb., \$2.25.



## SALSIFY (Oyster Plant)

Salsifs (Fr.); Hafer Wurzel (Ger.); Salsafia (Ital.)

One ounce of seed to 50 feet of drill. 10 lbs. per acre. Sow in early spring, in drills fifteen inches apart and one to two inches deep; when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest vegetables stewed and served with a cream dressing.

**Mammoth Sandwich Island.** This variety is of enormous size, twice as large as the ordinary white variety; very tender and delicious. Pkt., 5c.; 10c. per large pkt.; 15c. per 1/2 oz.; oz., 30c.; \$1.00 per 1/4 lb.; lb., \$3.50.

## SHALLOTS (French Flavoring Onions)

(For prices see page 28.)

## SPINACH

Epinaud (Fr.); Spinat (Ger.); Spinaccio (Ital.)

One ounce will sow a row about 75 feet long; 10 to 12 pounds are required for an acre. Sow for spring use, in drills one foot apart (covering the seed about one-half inch) as early as the ground can be worked, and continue to sow every two weeks till May 15th. Spinach seed seldom germinates during June, July or August, so we do not recommend sowing again until September, which is the season to provide an early winter and spring crop. Seed sown then is generally broadcasted and on approach of cold weather is covered with long manure, salt hay, straw or other suitable litter. On mild winter days it may be gathered, but it should not be disturbed while the plant is frozen. For a supply of spinach during summer, the New Zealand variety is sown in April or May. Spinach can also be grown successfully under hot bed sash.

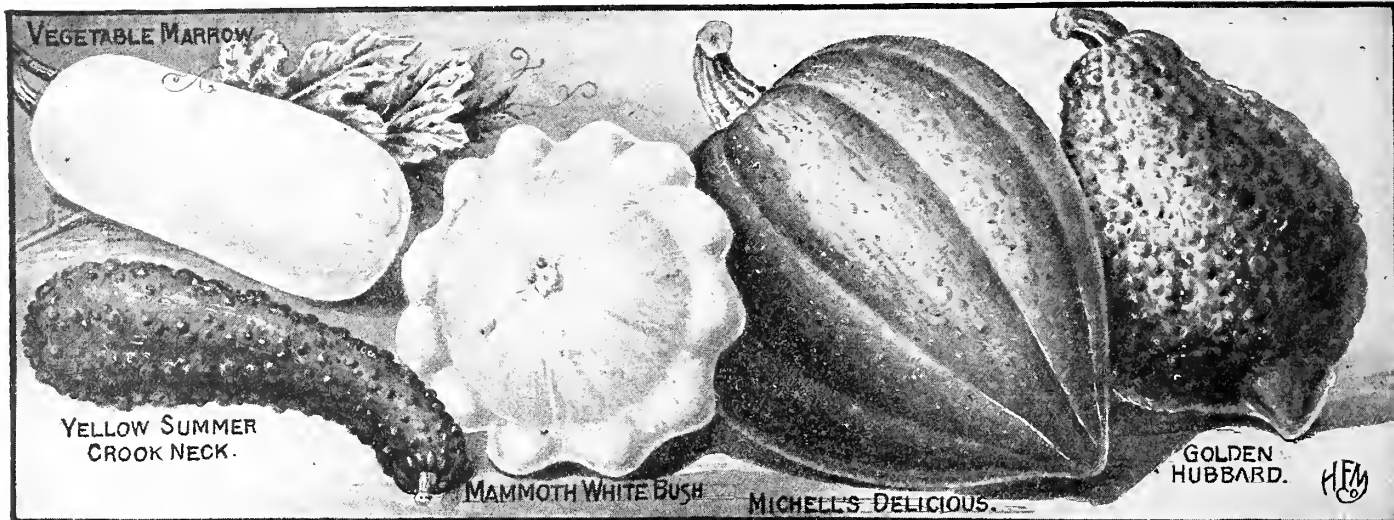
**Bloomsdale Round-Seeded Savoy (Improved Strain).** The hardest variety; curled and crimped; thick, fleshy leaves; the best for early spring and fall sowing. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 30c. per 1/4 lb.; per lb., 75c.

**Long Season.** A cross between the Bloomsdale and the Victoria Long Standing. It produces tremendously large plants and leaves, which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled and are tender. Color, a beautiful dark green. Pkt., 10c.; 15c. per oz.; 1/4 lb., 30c.; 85c. lb.

**New Zealand.** This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is a heavy yielder, growing upright; one sowing can be picked from the entire summer. A very distinct variety. Pkt., 5c.; per large pkt., 10c.; oz., 20c.; 50c. per 1/4 lb.; lb., \$1.75.

# MICHELL'S VEGETABLE SEEDS

NOTE—All seeds on this page are sent postpaid at prices quoted



## SQUASH

Course (Fr.); Speisse Kurhis (Ger.); Zucca (Ital.)  
 One ounce will plant 20 to 50 hills, 3 to 4 lbs. are required for an acre.

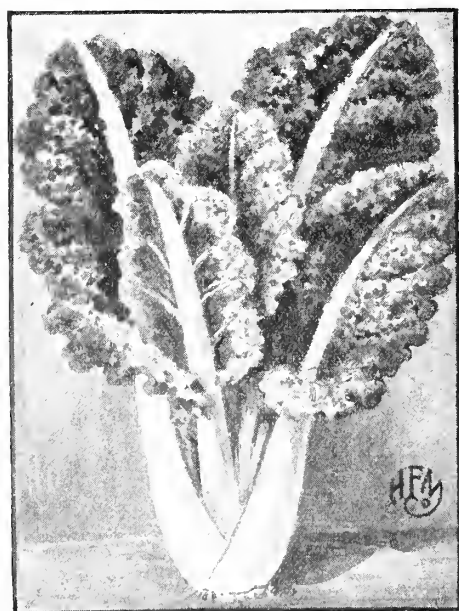
This vegetable is a popular one for summer and winter use, and being susceptible to cold it should not be planted until the ground is thoroughly warm. There are two varieties, the bush sort being planted in hills 4 to 5 feet apart each way; the running varieties require planting 8 to 15 feet apart in order that the fruits may develop properly. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill.

### SUMMER VARIETIES

**Cocozelle.** This is a bush variety with smooth fruits, dark green in color, striped deeper. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 per lb.

**Golden Custard.** A flat scalloped type, like the white Bush; the skin is of a light yellow color, which is very thin, leaving plenty of meat in the centre; a bush or compact growing kind. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.50 per lb.

**Mammoth White Bush.** Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 65c. per ¼ lb.; lb., \$2.00.



Giant Lucullus Swiss Chard

## SUMMER SQUASH (Continued).

**Yellow Summer Crook Neck.** Shaped like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred on account of its very dry meat when boiled. This is a running variety. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.50 per lb.

### FALL AND WINTER VARIETIES (Running Sorts)

**Boston Marrow.** Shaped similar to Hubbard; golden orange; fine for canning for winter use; cooked as a vegetable or in pie. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**Delicious.** Well named, as it has the finest flavor of any squash; of oblong shape, with a deep green skin and thin rind, and with a seed cavity so small that it almost meets in the centre. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 lbs. and is in its prime during the early winter; one of the very best. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; lb., \$2.50.

**Golden Hubbard.** Used extensively for pie, but also served as a vegetable; it is very dry and delicious. The outside is a deep orange red, while the flesh is very tender. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

**Vegetable Marrow.** A long, greenish white variety; fine for cooking; very sweet and tender. This is the favorite squash with the English people. Pkt., 10c.; 25c. per oz.; per ¼ lb., 75c.; \$2.25 per lb.

## SWISS CHARD (Spinach Beet)

Poireau (Fr.); Mangold Kohl (Ger.); Porro (Ital.)

1 oz. will sow a row about 50 feet long.

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground; large leaves with broad ribs grow from the centre of the plant; the outer leaves only should be carefully pulled from the plant and the foliage part separated from the rib in preparing to cook. The former when cooked is served like spinach, which it resembles in taste; the ribs when boiled and served with melted butter are the equal of finest asparagus. When hard frosts strike the plants down, they can be taken up and placed in a cool cellar; the roots may be carried over this way with an occasional watering, and if planted in a hothe about March 1st they will produce early spring greens.

**Giant Lucullus.** Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 65c. per ¼ lb.; lb., \$2.00.

## TARRAGON

Fine for flavoring. Plants, 25c. each; doz., \$2.50; \$17.50 per 100.

## THYME (Herb) SEED

Pkt., 10c.; 50c. per ½ oz.; oz., 85c.

### THYME PLANTS

20c. each; doz., \$1.50; \$10.00 per 100.

## TOBACCO

Many people like to have a few plants of this in the garden. It attracts butterflies. The flower is very sweet scented, while the leaves may be dried, cured and made into smoking tobacco and cigars. Sow in a box indoors and set outdoors in May.

	Pkt.	½ oz.	Oz.
Connecticut Seed Leaf .....	\$0.10	\$0.20	\$0.40
Havana Seed Leaf .....	.10	.20	.40
Pennsylvania Seed Leaf .....	.10	.20	.40

All Prices subject to change without notice

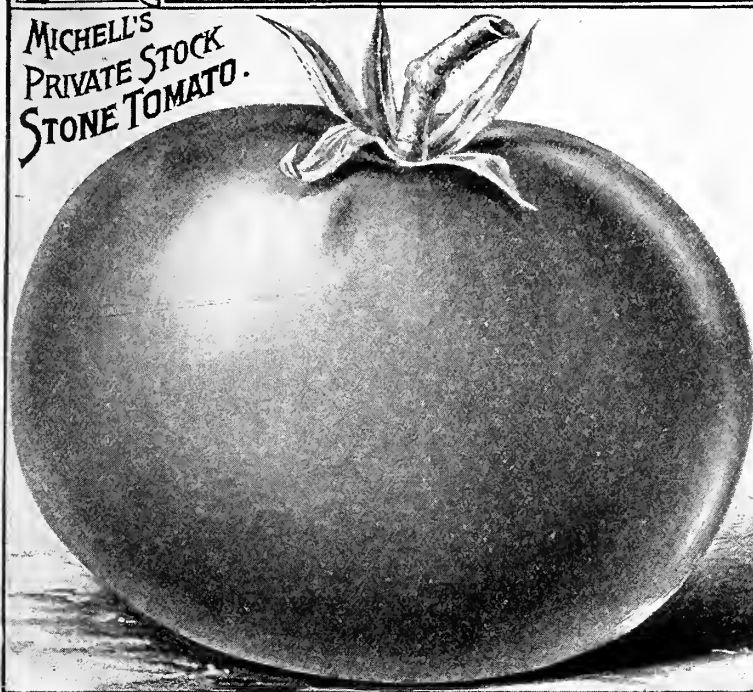
(oe)



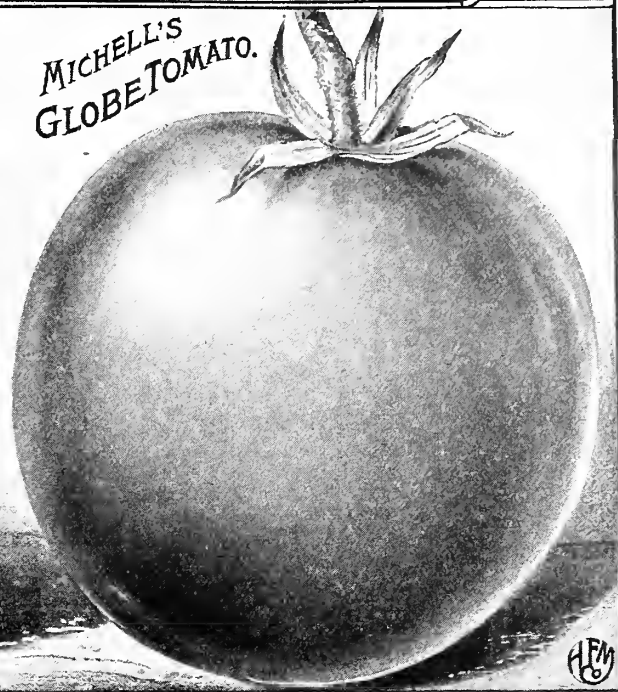
# MICHELL'S SELECT TOMATO SEED ..

37

MICHELL'S  
PRIVATE STOCK  
STONE TOMATO.



MICHELL'S  
GLOBE TOMATO.



Pomme d'Amour (Fr.); Liebes Apfel (Ger.); Pomo d'oro (Ital.)

One ounce will produce 3500 plants; ¼ lb. will provide enough plants for an acre.

Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row, or in hills 4 feet apart each way. Properly grown tomato plants should be supported.

Note.—All seeds on this page mailed postpaid at prices quoted.

**Michell's Early Red Wonder.** A splendid early, new variety; for complete description see page 9. In original pkts, only, 25c.

**Beauty.** One of the largest bright red tomatoes; solid and meaty; quite early. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.40 per ¼ lb.

**John Baer.** This variety was introduced a few years ago, and commanded when first placed on the market \$1.00 per small packet. It is positively without exception the earliest tomato that we know of. The plant is very dwarf, growing in tree form and frequently the plants have small tomatoes on while yet in pots ready to be set out. The fruit is bright red and of medium size; its chief value lies in its earliness. Pkt., 10c.; 30c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

**Bonny Best.** One of the most prolific of early tomatoes. The size is not so large, but it is very solid and evenly formed. Color, a beautiful bright red. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

**Crackerjack (Michell's).** This is one of the best early tomatoes for the home garden, its productiveness being wonderful; quite free from acid and of a convenient size. Color, rich red and produced in clusters. Be sure and try it if you have not already done so. Pkt., 10c.; ½ oz., 30c.; 60c. per oz.; ¼ lb., \$2.25.

**Dwarf Champion.** A distinct type, the plant looks like a miniature tree; very dwarf and compact; color of fruit, bright red and very solid; late maturer. Pkt., 10c.; 25c. per ½ oz.; per oz., 50c.; \$1.75 per ¼ lb.

**Dwarf Stone.** A dwarf, compact growing plant, yielding a large crop of medium-sized, very solid tomatoes. Color, bright red. The plant is very distinct and upright; late cropper. Pkt., 10c.; 25c. per ½ oz.; per oz., 50c.; \$1.75 per ¼ lb.

**Earliana (Spark's)** A very prolific tomato. Grows in clusters; medium in size; solid and very desirable. Pkt., 5c.; 10c. per large pkt.; ½ oz., 25c.; 50c. per oz.; ¼ lb., \$1.75.

**Globe.** A handsome variety, especially adapted to slicing; very solid; color, a handsome red, and a great producer; one of the best general crop varieties. Pkt., 10c.; 25c. per ½ oz.; per oz., 50c.; \$1.75 per ¼ lb.

**Golden Queen.** Large yellow fruit; very sweet, almost free from acid; splendid for preserving or for slicing; to those who generally (on account of acidity) do not eat tomatoes, we can recommend this variety. Pkt., 10c.; 25c. per ½ oz.; per oz., 50c.; \$1.75 per ¼ lb.

**Matchless.** Large red fruit; general crop variety. Pkt., 10c.; 25c. per ½ oz.; 50c. per oz.; \$1.75 per ¼ lb.

**Ponderosa.** The largest tomato in existence; a beautiful deep pink; rather uneven at times in shape. Pkt., 10c.; 30c. per ½ oz.; per oz., 60c.; \$2.25 per ¼ lb.

**Red Rock.** One of the most solid varieties; medium early and of a brilliant red color; a fine one for the home or market garden. Pkt., 10c.; 20c. per ½ oz.; per oz., 40c.; \$1.50 per ¼ lb.

**Stone (Michell's Private Stock).** A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced in greater abundance. Pkt., 5c.; 10c. per large pkt.; 25c. per ½ oz.; per oz., 50c.; \$1.75 per ¼ lb.

## FORCING TOMATOES

	Pkt.	½ Oz.	Oz.
Best of All	\$0.10	\$0.30	\$0.50
Comet	10	30	50
Eclipse			
(Orig. pkts.)	.85		

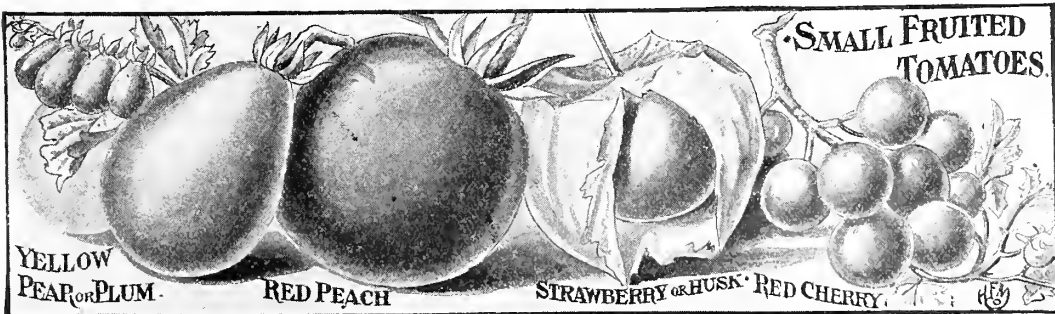
## SMALL FRUITED TOMATOES

	Pkt.	½ Oz.	Oz.
Red Cherry	\$0.10	\$0.25	\$0.50
Red Peach	10	25	50
Yellow			
Plum	10	25	50
Strawberry			
or Husk	10	25	50

## TOMATO PLANTS

(Ready in April)  
(See page 39)

Pot Grown, leading Doz.	100
sorts	\$0.75 \$5.00



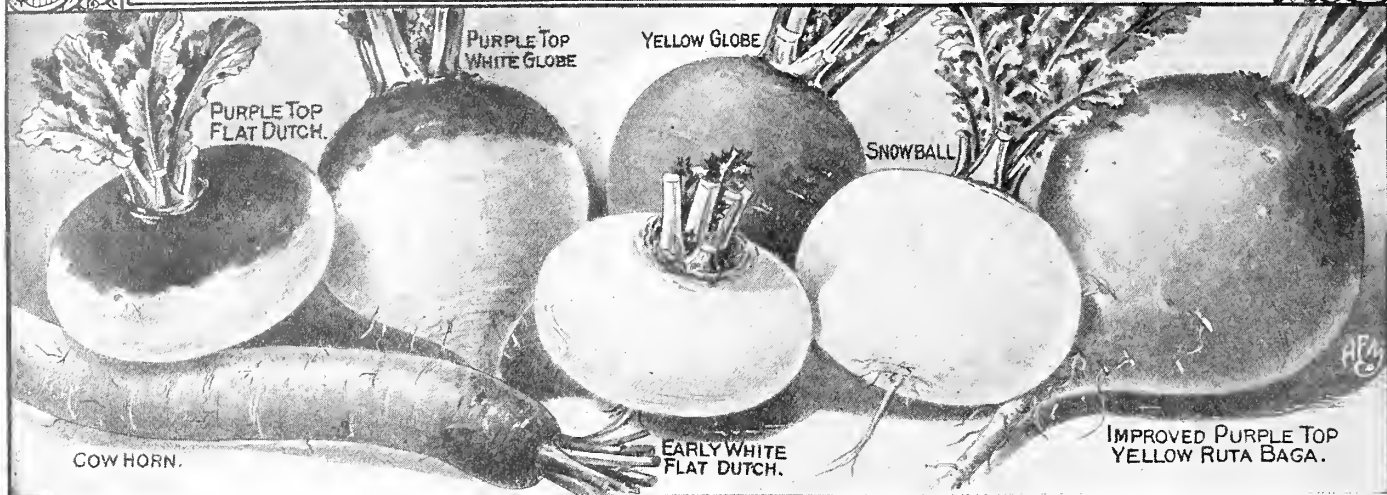
YELLOW  
PEAR or PLUM.

RED PEACH

STRAWBERRY or HUSK

RED CHERRY

# MICHELL'S TURNIP AND RUTA BAGA SEED.



Herbst Ruben (Ger.); Navet (Fr.); Navone, Rapa (Ital.)  
 One ounce of seed for 100 feet of drill; two lbs. per acre, broadcast.

For early use sow the small sorts as soon as the ground can be worked in the spring in drills 14 inches apart. Ruta Bagas should be sown in drills 30 inches apart. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly, so the roots can develop. For fall and winter use sow broadcast from the middle of July to the middle of August, and Ruta Bagas in drills from the middle of June to the fifteenth of August. Ruta Bagas sown early have a tendency to grow long in shape, while seed sown in August usually develops roots of a uniform globular shape.

## TURNIP

- Aberdeen.** A flat yellow variety; a good winter keeper. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.
- Cow Horn.** A long white variety, used for soiling and stock feeding. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.15 per lb.
- Early Purple Top Flat.** The most popular variety in cultivation; a large yielder; well flavored. 5c per pkt.; large pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.
- Purple Top White Globe.** (Private stock.) This is a careful selection of the popular Purple Top Globe variety; it is very uniform in shape and one that should be grown by all who grow turnips. Our strain of seed is especially fine. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.
- Snowball.** A pure white globe variety; very early. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.15 per lb.
- Southern Seven Top.** For winter greens chiefly; extensively sown in the South. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.
- Yellow Globe, or Amber.** Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.15 per lb.

**NOTE.**—All seed offered on this page mailed free at quoted prices.

## RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart and when 3 inches high thinned out to get the greatest root development. They need to be cultivated liberally and hilled up when about 6 inches high.

Customers frequently complain that Ruta Bagas grow too long in shape, rather than in a round form. Careful inquiry has developed the fact that this is caused by sowing the seed too early.

In the locality of Philadelphia and New York the seed should not be sown until August 1st, when it will invariably develop perfectly globular formed roots. Seed sown earlier than this invariably produces the long shaped roots with long stems.

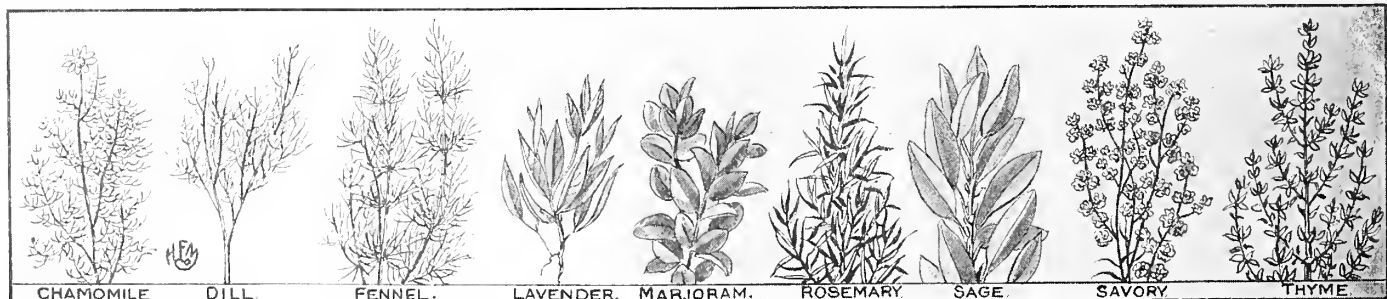
**Private Stock Purple Top Yellow.** This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 45c. per ¼ lb.; lb., \$1.50.

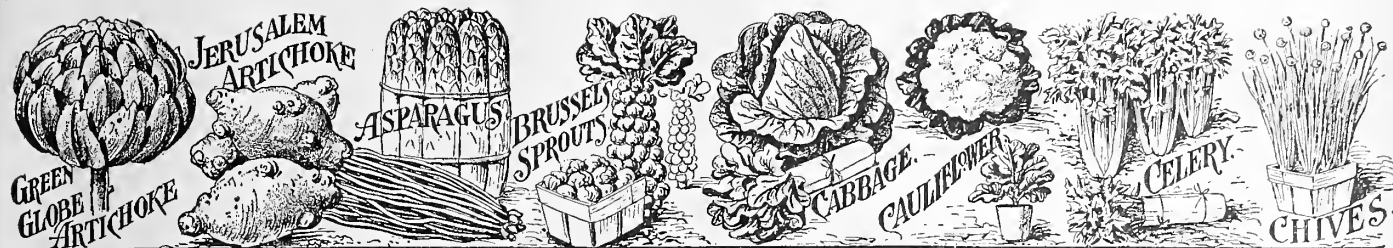
## SEEDS OF CULINARY AND MEDICINAL HERBS

A few herbs in the garden will be found very convenient, there being so many uses to which they can be put in the green and also dry state. For winter use, they should be cut just as they come into flower, tied in bunches and hung in a light, airy place indoors, where they can be available any time.

	Pkt.	½ Oz.	Oz.		Pkt.	½ Oz.	Oz.		Pkt.	½ Oz.	Oz.
Anise	\$.010	\$.015	\$.030	*Fennel (Sweet)	\$.010		\$.020	*Savory, Winter	\$.010		
Basil (Sweet)	.10	.15	.30	*Lavender	.10	.30	.60	Sweet Marjoram	.10	.25	.45
Borage	.10	.15	.30	*Mint, Peppermint	.25			Sweet Marjoram			
Caraway	.10	.15	.25	*Pennyroyal	.10	.35	.70	American	.10	.40	.75
*Catnip	.15			*Rosemary	.10	.30	.50	*Thyme, Broad Leaved	.10	.50	.85
Chamomile	.10		.15	Saffron	.10	.15	.25				
*Chives	.10	.15	.25	*Sage	.10	.25	.45				
Coriander	.10		.15	Savory, Summer	.10	.20	.35				
Dill	.10		.15								

\*Varieties are hardy or perennial, while others must be sown each season.





## VEGETABLE AND HERB PLANTS AND ROOTS

We have fresh supplies of this stock in daily, during the season of planting; we grow them at our own nurseries, and in extra good quality.

### ARTICHOKEs (Ready in April)

**Green Globe.** Pot grown. \$1.75 per doz.; 25 for \$3.00; \$10.00 per 100 (by express only).  
**Jerusalem.** Used for table and stock feeding. 30c. per qt.; peck, \$1.50; \$5.00 per bu.

### ASPARAGUS ROOTS (Ready from October 15th to May 15th)

The two-year-old roots usually produce two years after planting, the three-year-old may be cut lightly one year after planting.

	2 Year Old Roots	Doz.	100	1000
Barr's Mammoth.....	\$0.30	\$1.50	\$10.00	
Conover's Colossal.....	.30	1.50	10.00	
Giant Argeuteuil.....	.30	1.50	10.00	
Palmetto, or Eclipse....	.30	1.50	10.00	
	3 Year Old Roots	Doz.	100	1000
Barr's Mammoth.....	\$0.40	\$2.00	\$15.00	
Conover's Colossal.....	.40	2.00	15.00	
Giant Argeuteuil.....	.40	2.00	15.00	
Palmetto, or Eclipse....	.40	2.00	15.00	

### BRUSSELS SPROUTS (Ready in July)

**Matchless Improved (Hot-Bed Grown).** 25 for 25c.; 75c. per 100; per 1000, \$6.00. If wanted by mail, add 10c. per 100 for postage.

### CABBAGE PLANTS

(Ready in season beginning April 1st)

**Early Sorts.** From hot beds. Wakefield and All Head only. Ready April 15th. 60c. per 100; per 1000, \$5.00.

**Early Sorts.** Sturdy plants from cold frames. Ready April 1st, in Wakefield and All Head varieties only. \$1.00 per 100; per 1000, \$7.00.

**Late Sorts.** Ready July 1st in Late Flat Dutch, Danish Ball Head and Red Dutch Drumhead varieties only. Per 100, 60c.; \$4.00 per 1000. If cabbage plants are wanted by mail, add 15c. per 100 for postage.

### CAULIFLOWER PLANTS (Ready April 1st)

**Snowball variety only.** From hot beds. 25c. per doz.; per 100, \$1.50.

**Snowball variety only.** Pot-grown. 75c. per doz.; per 100, \$5.50.

If hot bed Cauliflower are wanted by mail, add 5c. per doz., or 15c. per 100 for postage charges.

### CELERY PLANTS (Ready in July)

**White Plume, Giant Pascal, Winter Queen and Golden Self-Blanching.** 75c. per 100; per 1000, \$6.00.

If Celery Plants are wanted by mail, allow 4 lbs. weight per 100 for postage.

### CHIVES (Ready in April)

**Strong Plants.** 15c. each; doz., \$1.50; \$10.00 per 100. Allow 5c. each for mailing if wanted by parcel post.

### EGG PLANTS (Ready after May 15th)

Sold in pot-grown stock only.  
**New York Improved and Black Beauty.** 7c. each; doz., 75c.; \$5.50 per 100.

### HOP VINE (Hardy)

This makes a valuable shade plant, grown on arbors, trellis, etc.

**Strong Pot-Grown Plants.** 25c. each; doz., \$2.50; \$15.00 per 100.

### HORSE RADISH ROOTS (Ready in March)

**Maliner Kren (Bohemian).** Large, strong cuttings, 30c. per doz.; per 100, \$1.00; \$7.50 per 1000.

If Horse Radish are wanted by mail, add 10c. per 100 for postage.

### LAVENDER (Ready in April)

Pot-grown plants. 25c. each; per doz., \$2.50; \$15.00 per 100. If wanted by mail, add 5c. for postage.

### LETTUCE PLANTS

Heading Varieties; our selection only. 25 for 15c.; 50c. per 100; per 1000, \$4.00. If wanted by mail, add 10c. per 100 for postage.

### MINT (Hardy) (Ready in April)

**Peppermint.** 20c. each; per doz., \$1.50; \$10.00 per 100.

**Spearmint.** 20c. each; per doz., \$1.50; \$10.00 per 100.

### PARSLEY PLANTS (Ready in April)

Pot-grown. 7c. each; doz., 75c.; \$5.50 per 100.

### PEPPER PLANTS (Ready in May)

**Bull Nose and Ruby King varieties only.** Pot-Grown Plants. 75c. per doz.; per 100, \$5.50.

### RHUBARB ROOTS

(Ready from October to May 15th)

**Victoria.** First Size Roots. 15c. each; \$1.50 per doz.; per 100, \$10.00. Allow 5c. each or 25c. doz. for postage, if wanted by mail.

**Victoria.** Mammoth Roots for Planting Out, or Suitable for Forcing (not mailable). 25c. each; doz., \$2.50; \$4.25 for 25; per 100, \$15.00.

### ROSEMARY (Perennial) (Ready in April)

Pot-grown plants. 25c. each; doz., \$2.50; \$15.00 per 100.

### SAGE (Hardy) (Ready in April)

**Holt's Mammoth.** Pot-grown plants. 20c. each; per doz., \$1.50; \$10.00 per 100.

### SWEET POTATO PLANTS (Ready in May)

**Yellow and Red Nansemoud** \$1.00 per 100; 1000, \$7.50. If wanted by mail, allow 15c. per 100 for postage. Not less than 100 plants can be furnished.

### TARRAGON (Hardy) (Ready in April)

Hardy if given protection in winter. Pot-grown plants. 25c. each; doz., \$2.50; \$17.50 per 100.

### THYME (Hardy) (Ready in April)

**English Broad Leaved.** This is almost an indispensable herb. 20c. each; doz., \$1.50; \$10.00 per 100.

### TOMATO PLANTS (Ready after April 15th)

Pot-Grown Plants in the following varieties only: Earliana, Stone, Dwarf Stone, Ponderosa, Crackerjack. 7c. each; doz., 75c.; \$5.00 per 100.

**Hot-Bed Plants of Tomatoes,** we have discontinued handling, they do not give general satisfaction, nor do they carry well.

40 MICHELL'S RECLEANED CLOVERS (Any prices quoted subject to market change)



Part of a 60-acre tract of land sown to Alfalfa on the farm of W. A. Rossiter, near Langhorne, Pa. Seed furnished by us.

**Alfalfa, or Lucerne** (*Medicago Sativa*). The most valuable forage crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa explains this fully, and is free for the asking. Sow not less than  $\frac{1}{2}$  bushel (30 lbs.) per acre, preferably with no other crop. Our seed is always over 99 per cent. pure, and will invariably give the best of results. **Choice Non-Irrigated Western Grown Seed.** Price on application.

**Grimm Alfalfa.** Claimed to be hardy in any and all regions, a heavy yielder and of deeper rooting ability. Highly recommended by various State Experiment Stations. It requires only about 10 lbs. of Grimm Alfalfa to properly seed an acre, on account of its great root system and spreading habit. Price on application.

**Alsike, or Swedish Clover** (*Trifolium Hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high; is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone, or 8 lbs. per acre with timothy. Price on application.

**Bokhara or Sweet Clover** (*Melilotus Alba*). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is excellent. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. **Choice Hulled Seed.** Price on application.

**Crimson Clover** (*Trifolium Incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year. Late summer or fall seeding is usually practiced. It is not hardy for more than one season and must be sown each year. Price on application.

**Mammoth Red Clover** (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops 10 lbs. per acre; flowers pink. It can be cut several times in a season. Price on application.

**Red Clover, Medium** (*Trifolium Pratense*). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2 $\frac{1}{2}$  feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can usually be cut twice in a season. It is not hardy for a period of years, being usually resown every third season; flowers pink. Price on application.

**White Dutch or Lawn Clover** (*Trifolium Repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. 10c per oz.;  $\frac{1}{4}$  lb., 25c.; 45c per  $\frac{1}{2}$  lb.; 85c. lb.; \$1.00 per 5 lbs.; 10 lbs., \$7.75; \$43.00 per bu. of 60 lbs.; per 100 lbs., \$70.00. Prices on White Clover subject to change.



Our Strains of Red Clover are unusually fine

2-bushel Seamless Bags for shipping clovers are charged for at 65c. each. (These are returnable for credit.)

(oe)

**INOCULATE YOUR LEGUMES BEFORE SOWING—IT PAYS**



Alfalfa from a well-prepared Seed Bed—No Inoculation.

Alfalfa from a well prepared Seed Bed—Inoculated.

The most Fertilizer Value of Legumes depends largely upon Inoculation with these Bacteria. 1000 to 2000 pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately available for any following crop. Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form to the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there, and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed

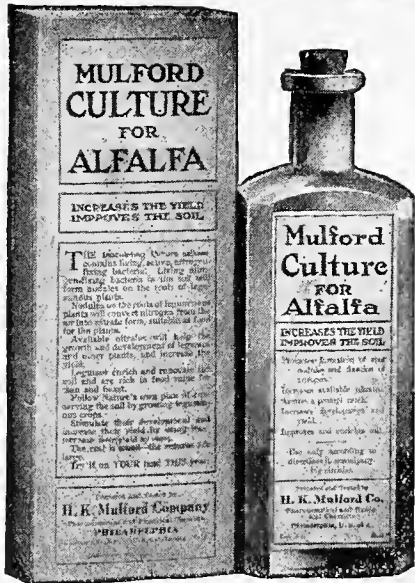
so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates. The application of bacteria to the seed of these legumes when planting practically trebles the nitrogen-gathering power, and for this reason we urge all planters to use it on all such occasions. Please note that the bacteria is not applicable to any other class of plant through inoculation, except as noted below; succeeding crops, though, following on ground where bacteria was used, derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

# Mulford Cultures

FOR LEGUMES

**PRICES**

5-Acre Size (A Dollar per Acre) .	\$5.00
1-Acre Size .....	1.50
1/4-Acre Size .....	.50
Small Size (Supplied only for Garden Peas, Garden Beans, Lima Beans and Sweet Peas).	.25



Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase your yield.

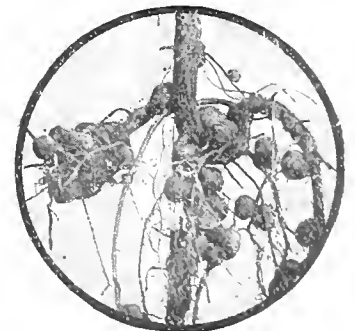
Mulford Cultures are prepared for

- |                      |                              |                       |            |
|----------------------|------------------------------|-----------------------|------------|
| ALFALFA<br>(Lucerne) | ALSIKE CLOVER<br>BURR CLOVER | VETCH<br>VELVET BEANS | LIMA BEANS |
| CRIMSON CLOVER       | COW PEAS                     | SWEET PEAS            | LESPEDEZA  |
| SWEET CLOVER         | SOY BEANS                    | GARDEN PEAS           | AND OTHERS |
| RED CLOVER           | PEANUTS                      | GARDEN BEANS          |            |

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

**ALPHANO INOCULANT**

This comes in a finely powdered form, making it easy to use. But, most important of all, it guarantees to you bacteria of the highest possible vigor. The carrier used makes an ideal material for the bacteria's breeding and living place. They retain



Roots of cow peas inoculated with Alphano Inoculant, showing the abundance of nitrogen nobs or nodules. Each one is filled with millions of air nitrogen-gathering bacteria.

their vitality for a long period and under conditions utterly impossible with other carrying substances used.

In addition to its distinct advantage of double nitrogen action in the soil, and that it contains all the essential legume bacteria in the one package, and that you need never have but the one kind to meet all your inoculation needs, there is also its remarkably low price.

Alphano Inoculant, the makers claim, serves as a bacteria for all crops, the reverse of statements by other makers of bacteria. The reason, however, may lie in the fact that it is a soil or humus bacteria, while others are manufactured cultures. The Alphano Humus Company, who make this, have been experimenting with it and testing it out for several years in the agricultural departments of various experiment stations, with results that were so highly satisfactory as to encourage them to place it on the market. Complete directions are on every package, and a special circular on Alphano Inoculant may be had free on request.

**PRICES OF ALPHANO INOCULANT**

1-acre size (net weight of can, 2 lbs.), \$1.00; 10-acre size (net weight, 20 lbs.); \$8.00 (postage extra).

# MICHELL'S SELECTED FIELD SEED CORN

## ABOUT PRICE ON FIELD CORN

This is so variable that we have purposely omitted it, prices will be quoted on request, otherwise orders will be filled and charged at our current rates for first-class seed corn. We give 56 lbs. shelled corn per bushel.

Plant 8 to 10 qts. per acre in hills for shelled corn or for silo or sow 1½ to 2 bushels broadcast for fodder

Our strains of corn are not the common kinds usually found in abundance on the market; we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corn where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used, the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which means a considerable increase in production.

**Champion White Pearl.** An immense yielder, maturing in about 115 days, kernels being deep set and snowy white, the merits of this corn are surprising.

**Cloud's Early Yellow Dent.** Our stock of this is grown on especially prepared ground. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about ¾ of an inch long. It delights in rich soil if the best is expected of it.

**Early Canada Flint (Eight Rowed).** A medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled; excellent for pigeon and poultry feed.

**Eureka Yellow Dent (Ensilage).** Light canary yellow, deep grained, fine ear and fodder.

**Golden Beauty.** The broad, massive golden yellow dented grains are arranged very evenly on gigantic ears. Fodder is enormous, often growing 12 feet high; matures late, but yields wonderful crops; desirable for silo and ensilage purposes.

**100 Day Bristol.** Matures within the time named and produces large stalks. The ears are about 9 inches long, very thin cob when shelled. The sulphur yellow grain is dented, very broad and not very deep; an easy variety to husk.

**Leaming Early Dent.** This variety has always been used foremost by most planters of field corn in the locality of Philadelphia. It is readily distinguished by the beautiful long ears of deep grained, uniform kernels, resplendent in a deep shade of golden orange. The cob when shelled is very small and of reddish color. The stalks grow about 7 feet high, very leafy, excellent for fodder, and on the average will produce two ears to the stalk. This strain assures the largest ears with every kernel perfect; ripens in 90 days and occasionally crops 100 bushels to the acre. Our stock is grown by the most experienced grower, who carefully selects and re-selects the seed to assure the planter a bumper crop. Every grain is uniform and perfect.

**Reid's Yellow Dent.** A splendid late variety with an average record of 100 bushels per acre; small cob, deep bright yellow grain.

**Red Cob Ensilage.** A long, narrow, white grain; a late maturer, and used for silo, green feed or ensilage purposes. A tall, rank grower and prolific in leaves.

**Silver King.** A pure white dent corn, ripening in 100 to 105 days, ears averaging 8 to 9 inches long, grains closely set and straight in the row. The ears grow a uniform size.

## PRICE OF FIELD CORN ON APPLICATION

2-bushel Seamless Bags on Corn orders are charged for at 65c. each. These are returnable for credit.

## FARMER'S FRIEND CORN PLANTER

This is operated by horse. Equipped with a fertilizer attachment. Will also plant peas, beans, etc.  
Price, complete, \$35.00. Without fertilizer attachment, \$30.00.

## AMERICAN HAND CORN PLANTER

A great seed economizer and labor saver. Price, \$3.50.

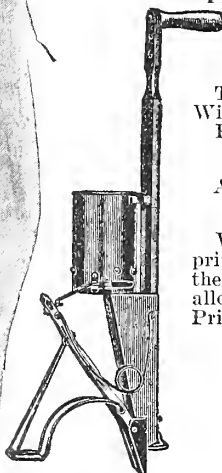
## PENNSYLVANIA CORN SHELLER No. 3

Will be found useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out at another.  
Price, \$16.50.

## HUSKING PINS

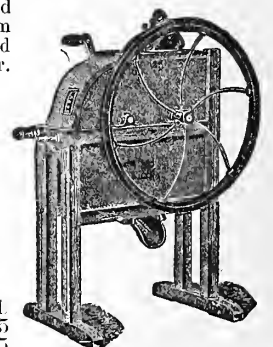


No. 15 No. 16 No. 17



American  
Hand Corn Planter

No. 15—Universal, all metal, made to fit any size hand  
each .....\$0.25  
No. 16—Combination, leather and metal, each..... 35



# MICHELL'S HIGH GRADE FARM SEEDS, Etc. 43

We make a specialty of Farm Seeds and on this and the following three pages will be found a list of the popular kinds. They are all extra re-cleaned, of new crop, and should give splendid satisfaction. Prices are not named here for large quantities, as they fluctuate constantly. However, we will be pleased to quote prices before shipping, or if customers wish we will fill their orders at lowest prevailing rates for high-quality seed. All weights are Pennsylvania and Philadelphia legal standard.

Two-hushel seamless bags are charged for on all orders for farm seeds at 65c. each. These are returnable for credit at the price charged.

**ALFALFA** (See page 40)  
**ARTICHOKES** (See page 39)

## BARLEY

The straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast  $1\frac{1}{2}$  to 2 bushels per acre from May 15th to July 1st. 48 lbs. per bushel.

Barley makes an ideal nurse crop for spring sown Alfalfa. When sown in connection with alfalfa, use  $\frac{1}{2}$  to  $\frac{3}{4}$  bushel per acre broadcast; when ripe, harvest as usual or cut and rake off.

**Beardless.** New York grown stock; frequently yields 50 bushels per acre. Price on application.

**NOTE.**—While offered as beardless, barley has the fault, if not carefully selected for seed purposes, of reverting back to its type, which is bearded, so that a few stalks of bearded heads will invariably appear in the field.

## BEANS, SOJA OR SOY

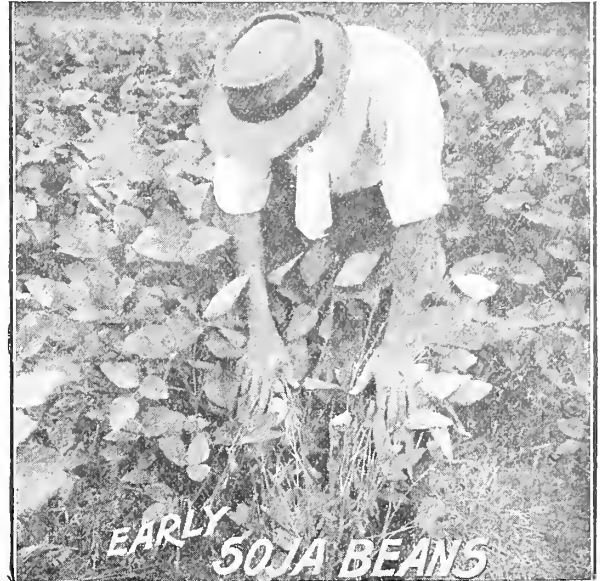
This very valuable farm plant enriches the ground in which it is planted by the free nitrogen gathered from the air, and which is deposited in the ground by the roots, leaving it in ideal condition, and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with hay or corn. The seed when harvested and ground into meal is fed with great advantage to milch cows, mixed with bran or any soft feed; it gives the milk a very rich flavor. Sow  $1\frac{1}{2}$  bushels per acre alone, or  $\frac{1}{2}$  bushel Soja Beans with one bushel Cow Peas. Sow in drills  $2\frac{1}{2}$  feet apart, any time from the first to the last of May. If wanted for silo it will be ready for harvest about the first of September or earlier, when the pods will be well filled; yields as high as 20 tons of green food per acre. 60 lbs. per bushel.

**Mammoth Yellow** (Late). **Wilson** (Early).

Prices on Application.



Beardless Barley



## BROOM CORN

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder grows to a height of about nine feet, and is suitable for bedding. This sort produces extremely straight brush, retaining its green color well after ripening, thus commanding the highest market prices. Sow in May, about ten pounds per acre, in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. It is usually in condition for cutting on the first approach of frost, the brush part being gathered first.

**Evergreen.** Yields 1000 lbs. of salable brush per acre. Bushel, 50 lbs. Price on application.

## BUCKWHEAT

In the locality of Philadelphia this is sown any time from June 1st to July 15th; one bushel of 48 lbs. broadcast to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. It makes a very fine quality of flour, but is largely used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food, while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre.

**Japanese.** Very early variety. Dark, large grain.

**Silver Hull.** Late maturing variety; grain making whiter flour; very prolific.

Price of Buckwheat on application.

## CARROT SEED

See offer on page 15.

## CATTLE BEETS (Mangel Wurzel)

See offer on page 27.

## COTTON SEED

**Sea Island.** If sown early in May, will mature in the latitude of Philadelphia. 15c. per  $\frac{1}{4}$  lb.; lb., 40c.; \$1.25 for 5 lbs.

## NITROGEN-GATHERING BACTERIA—MULFORD GERM

This will be found a very valuable preparation in connection with plantings of Soy Beans. See page 41 for full particulars.



A Field of Japanese Buckwheat

CLOVERS (See page 40)  
 CORN (FIELD) See page 42

FLAX

This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant a bushel to the acre from May 15th to June 15th. If desired for the fibre, sow 1½ to 2 bushels (bushel, 56 lbs.). Price on application.

GRASSES (See pages 47 to 49 inclusive)

KAFFIR CORN—White, for Seed

This belongs to the Sugar Cane family and has great drought-resisting qualities; the grain is used for feeding poultry and the fodder for cattle; is ideal for planting where seed corn has failed to germinate and it is too late to replant. Grows from 4 to 6 feet high, the grain being produced on the top of stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. (Bu. 56 lbs.) Price on application.

MILLET

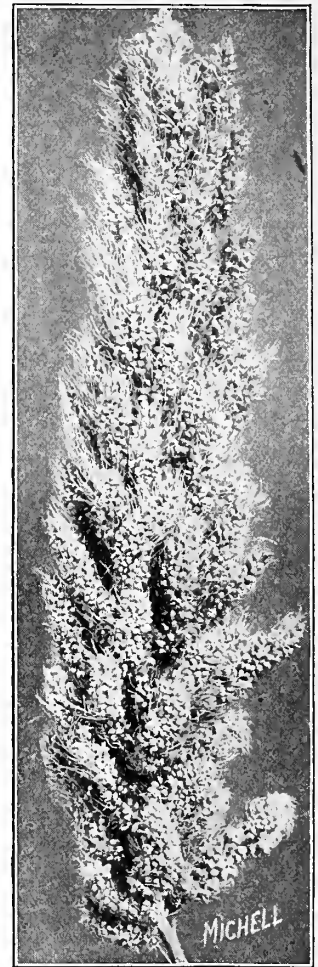
Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about 10 inches high. It makes an excellent green food for stock not allowed to pasture. If used for hay and dried it should be cut just as it matures.

**Hungarian.** The seed produces hay not so fine in quality as the "Golden," also fully a foot less in height. It can, however, be sown some 2 weeks later. Sow 1 bushel (50 lbs.) per acre.

**Japanese Barnyard.** This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast, any time from May 1st to June 15th.

**Pearl (Panicum Spicatum).** A valuable fodder plant. Enormously productive. Sow in drills 2 feet apart, 10 to 12 lbs. per acre.

**Tennessee Golden.** This requires a longer season to mature than the other sorts; it produces a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 ft. high. Sow 1 bu. (50 lbs.) broadcast to the acre, from April 10th to July 10th.



A Head of Japanese Millet

Anderson, S. C.

Gentlemen:  
 We wish to thank you not only for the splendid stock in every line you have sent us, but also for your courteous treatment in every way.  
 Yours truly,  
 A. F. CO.

**Price of Millets upon application, on account change in market value.**

**2-Bushel Seamless Bags for shipping farm seeds are 65c. each, but are returnable, prepaid, in good order, for credit, within 30 days from date of shipment.**



Canadian Cluster Oats

CHOICE SEED OATS

Our prices are all based on the legal weight of 32 lbs. per bushel. Sow from April till June, 3 bushels to the acre.

Our stocks of Seed Oats are unusually good, free from weeds, mustard, etc., and may be counted upon to yield large crops.

**Canadian Cluster.** This variety is an enormous yielder, producing very large heads. Originally brought from the oats belt of Canada, but has now been thoroughly acclimated in the United States.

**Storm King (Pedigree Stock).** Our strain of this variety was brought from Russia five years ago, and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Our supply of this is always limited, and we recommend early ordering. Often yields 85 bushels per acre.

**Swedish or Washington.** The long, erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color; this variety is especially free from rust and other disease.

**Tartar King.** This is one of the popular varieties; extensively grown in the locality of Philadelphia; it yields a heavy, stiff straw and is a large producer.

Price of Oats on application.

FIELD PEAS (Canadian)

These are used for various purposes, among them being an early green food for cattle; when used in this way they are sown with oats about April 1st, at the rate of 1½ bushels of Peas and 1½ bushels of Oats to the acre, either drilled or broadcast. They are cut just after the peas flower, and fed green. Sheep, hogs and cattle relish them keenly. They may be sown successively up to July, if one has the available land. Peas may also be sown alone, at the rate of 3 bushels per acre, and furnish excellent hay. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year, or even later, particularly wheat, are wonderfully benefited by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons, while when ground as meal is an excellent addition to the regular soft food of cows, sheep and horses. Price changes constantly and will be quoted on request.



**COW PEAS**

**Note.**—Occasionally some people order Cow Peas, thinking they are the same as Canadian Field Peas and sow them early, and in consequence they do not germinate, as they do not stand cold, and the innocent seedsman is blamed for what is not his fault. There is a wide difference between Cow Peas and Canadian Peas. The latter are offered on page 44.

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. In the South it is the staple forage crop for winter feeding. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, taking the free nitrogen from the air, which is deposited in the ground through the roots, leaving it very rich in ammonia. The short-growing varieties are best for turning under as green manure, while the trailing sorts are desirable for hay. Cattle, sheep or hogs can be turned into a field of them and they will eat them greedily, and the stubble can be plowed under. In the latitude of Philadelphia sow from May 1st to July 1st, two bushels per acre broadcast, or one bushel per acre in drills. For a large crop sow the seed as late as possible, and not too thick.

**Black.** One of the popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for grazing stock.

**Large Black Eye.** An exceedingly heavy cropper, but late to mature. In the South the seed of this variety is sold for dried peas for household use; it is claimed they are quite delicious.

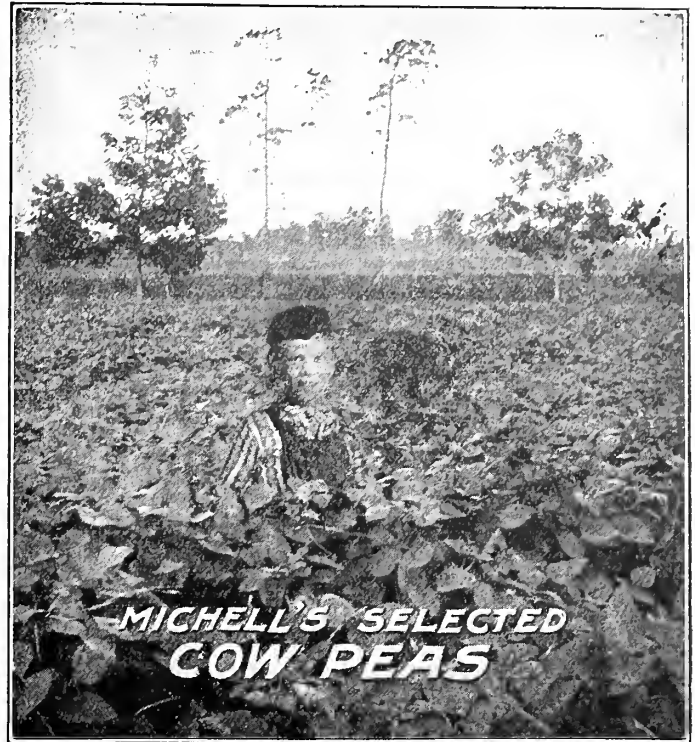
**Whippoorwill.** Medium early; upright growing, a variety more extensively used than any other. The seed is brown and gray speckled. It is a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

**Prices:** These fluctuate constantly; will be quoted on request.

**RAPE (See next page)**

**SEED RYE**

**Spring.** This furnishes an excellent early green food if cut, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the



winter rye from which it is quite distinct. The seed is smaller. Sow 1½ bushels broadcast or in drills from May 1st to June 1st. 56 lbs. per bu. Price on application.

**Pennsylvania White Winter.** This makes a fine winter cover crop, being usually sown in the autumn as late as November, making a very fine yield of long, stiff straw. Winter rye will not mature if sown in spring. 56 lbs. per bu. Sow 1½ bushels per acre. Price on application.

**SUGAR CANE or SORGHUM**

**Early Amber.** Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be threshed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills 3½ feet apart; 1 or 2 bushels broadcast. 50 lbs. per bu. Price on application.



Sorghum Makes Fine Green Food for Dairy Cows



A Bumper Crop of Spring Rye

**NITROGEN-GATHERING BACTERIA—MULFORD GERM.** This will be found a very valuable preparation in connection with plantings of Cow Peas. See page 41 for full particulars.

Two-bushel Seamless Sacks, used in Shipping Farm Seeds, are charged for at 65c. each; returnable at price charged.

(cc)

## RAPE

**Dwarf Essex.** This makes an indispensable green food for sheep and hogs. It can be pastured 8 weeks after sowing; the growth is enormous; if one has the available land it is good to sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time; this, of course, depends on the number of head turned on an acre. Sow 6 lbs. per acre broadcast or in drills from April 1st to October 1st. It produces enormous crops, and is ideal green manure. Experiment Stations recommend that stock, feeding on it, should have ready access to salt. Price on application.

## SPELTZ, OR EMMER

This seed resembles barley, but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after threshing is equal to wheat straw. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre any time after April 1st; the earlier the better. 40 lbs. per bushel. Price on application.

## SUDAN GRASS

An annual, and must be sown each year. Resembles millet somewhat; stock seems to relish it; will yield from 2 to 4 tons per acre. Sow in drills or broadcast 16 to 24 lbs. per acre; several cuttings can be made from a sowing in one season. Thrives excellently in a season of drought. On account of the uncertainty of the crop, price will be quoted on application.

## SUNFLOWER

**Mammoth Russian.** This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities. Will yield sometimes as high as sixty bushels per acre. Harvest after first few frosts, cutting the seed head from the plant, piling them loosely on the grain floor or hanging them in bunches on the rafters of the barn until thoroughly dry. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. Price on application.

## TIMOTHY SEED

Each year we handle a number of carloads of this. We aim to sell the purest and highest germinating quality. Our prices are as low as quality will allow. 45 lbs. per bushel. Samples and quotations on request.

## VETCHES, OR TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye; the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow foliage and elongated flowers of pinkish lavender, in clusters. The height when supported is frequently 4 feet.

**Winter Vetch** (*Vicia Villosa*). Sometimes called Sand or Hairy Vetch. Our stock of this is the true type, being imported by us direct from Russia which will absolutely live throughout the winter.

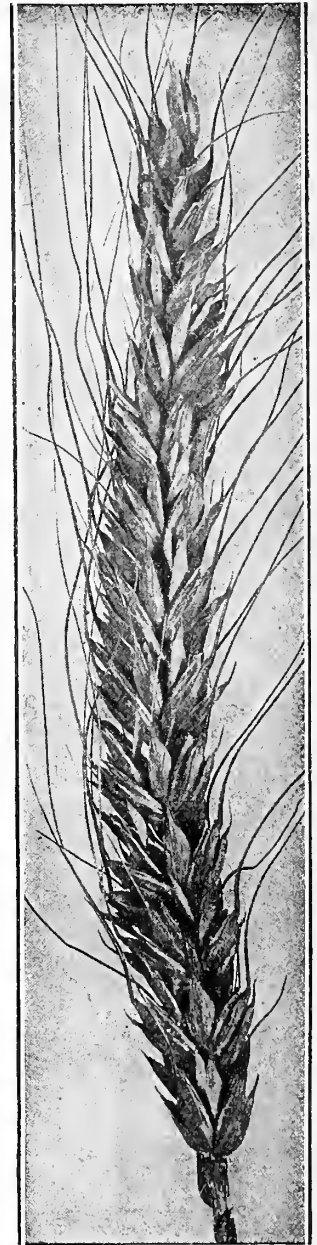
There is also an English strain on the market which is not hardy in the northern sections of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a hushel of winter rye or wheat. In the spring it can be plowed under as green manure, or when in flower cut for hay. All stock relish it keenly. Price on application.

**Spring Vetch** (*Vicia Sativa*). The seed of this is larger than the "Winter" and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast, and 1 hushel if in drills, with either spring wheat, spring rye or oats, for support. It possesses very much the same desirable features as the winter vetch. Price on application.

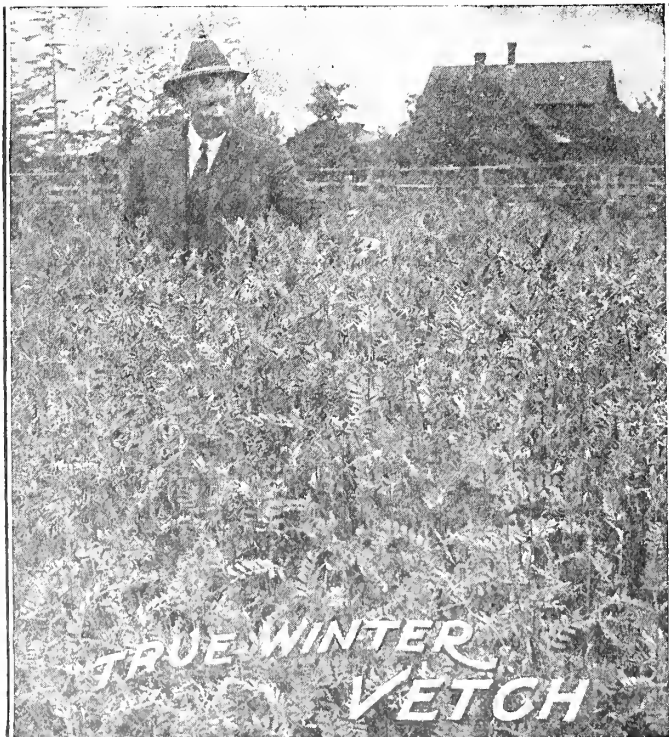
## SPRING WHEAT

A desirable crop to sow where fall-sown wheat has been killed by severe winter; the grain is very hard, of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest; is very fine.

**Saskatchewan Fife.** This is the favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May 1½ to 2 bushels per acre, broadcast or in drills. Price on application.



Spring Wheat

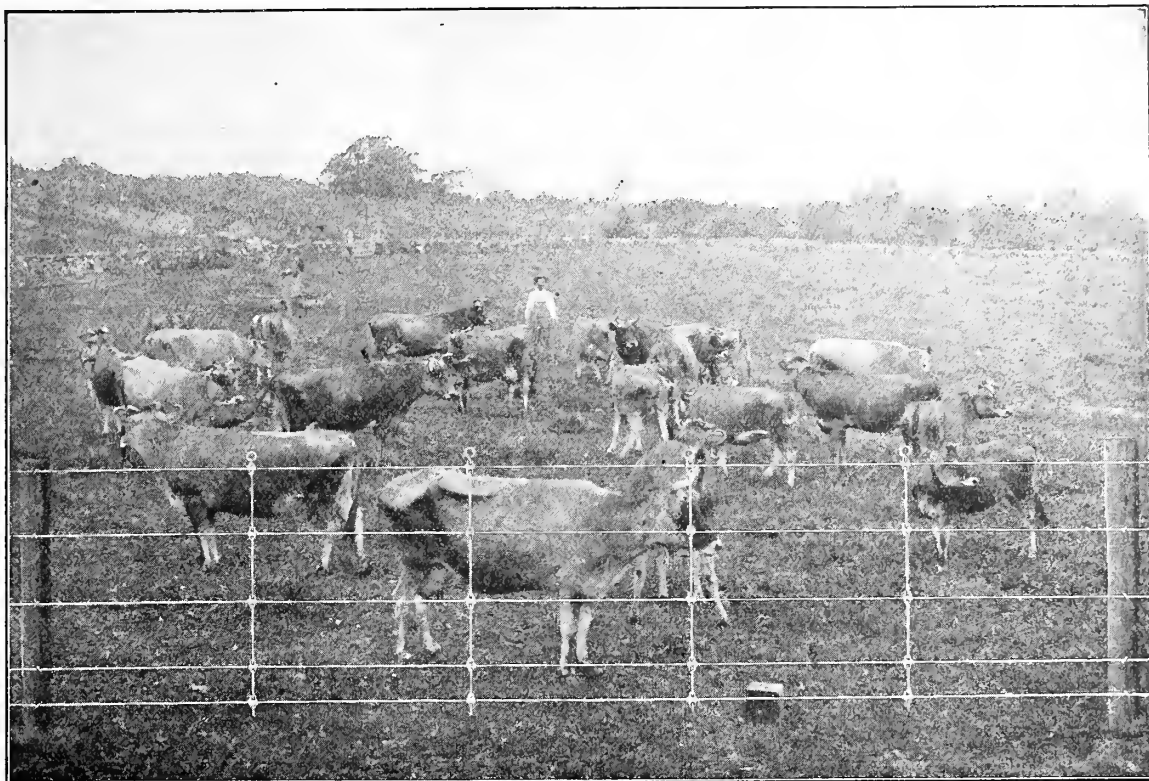


# MICHELL'S RELIABLE GRASS SEEDS <sup>47</sup>

## MICHELL'S PERMANENT PASTURE GRASS SEED MIXTURE

The old method of sowing timothy and clover has been found not only costly, but too short-lived to answer the purpose.

Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years. Sow 3 to 4 bushels per acre on new lands (20 lbs. per bushel). Prices: Per qt., 25c. 75c. per 4 qts.; pk. (5 lbs.), \$1.25; \$4.50 per bu. (20 lbs.); 100 lb. lots, 20c. per lb.



Michell's Permanent Pasture Grass Seed Mixture makes a nutritious feed for grazing cattle.

## MICHELL'S PERMANENT HAY FIELD GRASS SEED MIXTURE

While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are, that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in varied kinds of soil. Sow 3 to 4 bushels per acre on new land, or 2 bushels on established fields (20 lbs. per bushel). Prices: Per qt., 25c.; 75c. per 4 qts.; peck (5 lbs.), \$1.25; \$4.50 per bu. (20 lbs.); 100-lb. lots, 20c. per lb.

## MICHELL'S RECLEANED GRASS SEED

**Bermuda Grass.** For sowing as far North as Washington, D. C., above which latitude it is not hardy. 85c. per lb. Price for larger quantity on application.

**Blue Grass, Fancy Kentucky** (*Poa Pratensis*). Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bu. per acre on lawns, 2½ to 3 bu. on pasture fields (bu. 14 lbs.). Per lb., 40c.; \$1.35 per pk; per bu. \$5.00; \$32.00 per 100 lbs.

**Blue Grass, Canadian** (*Poa Compressa*). Makes an ideal pasture, highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.). 30c per lb.; bu., \$3.50; \$22.50 per 100 lbs.

**Creeping Bent.** (*Agrostis Stolonifera*). Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4 bu. per acre (20 lbs. per bu.). Price on application.

**Crested Dogtail** (*Cynosurus Cristatus*). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). Price, 60c. per lb.; bu., \$10.50; \$45.00 per 100 lbs.

**English, or Perennial Rye Grass** (*Lolium Perenne*). (Pacey's Fancy Short Seeded.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 3 bu. per acre (24 lbs. per bu.). Price, 30c. per lb.; per bu., \$6.50; \$22.00 per 100 lbs.

**Fine Leaved, or Slender Fescue** (*Festuca Tenatifolia*). This grass is especially valuable for dry soils. Sow 3 bu. per acre (bu. 14 lbs.). Price on application.

**Hard Fescue** (*Festuca Duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs. per bu.). Price on application.

**Herd, or Red Top, Fancy Re-cleaned.** This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 25 lbs. per acre (32 lbs. per bu.). Price, 40c. per lb.; per bu., \$10.35; \$35.00 per 100 lbs.

**Herd, or Red Top, Unhulled** (*Agrostis Vulgaris*). Sow 4 to 5 bu. per acre on lawns, or 3 bu. on pasture lands (10 lb. per bu.). Price, 20c. per lb.; per bu., \$1.75; \$15.00 per 100 lbs.

**Italian Rye** (*Lolium Italicum*). Very desirable for pasture; being an annual, it comes to maturity the first season; the ideal lawn

seed for southern lawns in winter. Sow 50 lbs. per acre (18 lbs. per bu.). Price, 30c. per lb.; bu.; \$5.00; \$22.50 per 100 lbs.

**Meadow Fescue** (*Festuca Pratensis*). Sow 40 to 50 lbs. per acre (22 lbs. per bu.). Price, 50c. per lb.; bu., \$9.75; \$40.00 per 100 lbs.

**Orchard Grass** (*Dactylis Glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (14 lbs. per bu.). Price, 50c. per lb.; per bu., \$6.25; \$40.00 per 100 lbs.

**Red, or Creeping Fescue** (*Festuca Rubra*). Very valuable for sowing on sandy soil and in shaded places, and putting greens. (14 lbs. per bu.). Price, 60c. per lb.; bu., \$7.75; \$55.00 per 100 lbs.

**Rhode Island Bent.** For sowing at seashore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.). Price on application.

**Sheep's Fescue** (*Festuca Ovina*). This makes an excellent grass for sowing on lawns, fields, or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.). Price on application.

**Sweet Vernal** (Annual). 5 lbs. per acre. Price on application.

**Sweet Vernal** (Perennial). Price on application.

**Sudan Grass Seed.** (Annual). This belongs to the forage crops and is allied to the millets. See page 46. Sow 16 to 24 lbs. per acre. Price on application.

**Tall Meadow Oat** (*Avena Elatior*). A valuable lawn and pasture grass. Extremely valuable for use in the South. Sow 5 bushels per acre (10 lbs. per bu.). Price on application.

**Timothy** (*Phleum Pratense*). Sow one-half bu. per acre alone (45 lbs. per bu.). Price varies constantly; ask for quotations.

**Westernwold's Rye Grass.** This is a vast improvement over Italian Rye grass in establishing lawns and fair ways in the Southern States; it retains its color during the hottest summer months and through prolonged droughts; when thoroughly introduced, this will be the banner lawn grass seed of the South. 40c. per lb.; (bushel, 24 lbs.), \$8.40; \$27.50 per 100 lbs.

**Wood Meadow** (*Poa Nemoralis*). The best grass for sowing under trees where a lawn is desired. Sow 30 lbs. per acre (14 lbs. per bu.). Price on application.

**Alphano Humus.** "The Ideal Soil Enricher" for lawns, golf courses, putting greens, etc. Ask for prices in ear lots.

(6c)



## MICHELL'S RELIABLE GRASS SEEDS

All Prices subject to  
Market Changes

Possibly no one in the United States specializes more in grass seeds for lawns, pleasure grounds, golf courses, putting greens, pasture and hay fields than we. Our purchases in this commodity direct from the growers at home and Europe amount to many thousand pounds annually. Our grass seeds are rigidly tested for purity and germination at the growing point, in the laboratories of the United States Department of Agriculture and by ourselves, and will be found of highest average. We make special formulas to suit various soils, climatic and local conditions. Our grass mixtures as sold have been based on many tests and on years of careful study, they are properly blended and will give splendid satisfaction. Our grass seed sales, amounting to more than a half million (500,000) pounds per year, enables us to get the choice of the Grass Seed Market.

**Quantity to sow for Lawns.** You cannot sow too much, the more the better, it means a quicker, more satisfactory and lasting result. We recommend, on new ground, for average mixtures, to sow as follows: One quart on 100 sq. feet (10 x 10); 4 qts. on 600 feet (20 x 30); 1 peck on 1500 sq. feet (30 x 50); 1 bushel on 7000 sq. feet (70 x 100); 5 to 6 bushels per acre for best effects.

**Michell's "Top Notch" Lawn Grass Seed.** This mixture can justly be called the top notch of quality, and the results obtained from sowing it are so satisfactory that the price, which is slightly higher than our other formulas, is soon forgotten. It is a perfectly blended combination of quick growing, very compact, fine bladed grasses that will produce a perfect lasting turf in a few weeks, absolutely not a coarse bladed grass in it.

From experiments made it seems to do unusually well under most every condition of soil, weather and climate, retaining at all times its brilliant color.

Top Notch weight 25 lbs. per bushel, and we are safe in saying that it can hardly be produced elsewhere at the price we quote it. We recommend sowing this mixture at the rate of about  $3\frac{1}{2}$  to 4 bush. per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price, \$2.25 per peck (6 $\frac{1}{4}$  lbs.); per  $\frac{1}{2}$  bush., \$4.25; \$8.00 per bush. (of 25 lbs.); 100 lb. lots and over, 31c. lb.

**Michell's Green Velvet Lawn Grass Seed.** This mixture has stood the test of every clime and region in the United States. It is the result of many years of untiring study, labor and experimenting, coupled with the endeavor to give the man with a lawn a grass seed mixture which will produce a perfect turf. It is composed of close growing, fine leaved hardy grasses, which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color.

Prices: Pint, 20c.; 30c. per qt.; 2 qts., 50c.; 90c. for 4 qts.; peck, \$1.50; \$6.00 per bush. of 20 lbs.; 100-lb. lots and over, 28 $\frac{1}{2}$ c. per lb.

**Michell's Evergreen Lawn Grass Seed.** Where soil conditions and weather are ideal this mixture will in most cases produce a green sward in three to four weeks. It is composed of the finest native and foreign short growing and fine bladed grasses, and will form a turf which can only be approached for quality by a covering of real velvet. The quantity required to sow a given space is suggested above under the heading "quantity to sow for lawns." It weighs 20 lbs. per bushel, and every kernel is full of vitality. Prices: Pint, 15c.; 25c. per qt.; 2 qts., 45c.; 75c. for 4 qts.; peck (5 lbs.), \$1.35; \$5.00 per bu. of 20 lbs.; 100-lb. lots and over, 24c. per lb.

**Michell's Clover Lawn Grass Seed.** The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover induced us to offer this brand. After extensive trials we have produced a combination of grasses, mixed with a liberal quantity of the best re-cleaned White Clover, which is peculiarly suited to take firm hold and grow quickly on hard or worn-out spots which sun burn easily. Splendid for seashore lawns. Pint, 30c.; 50c. per qt.; 2 qts., 90c.; \$1.75 for 4 qts.; per peck, \$3.00; \$12.00 per bushel of 30 lbs.; 100 lbs., \$37.50.

**Michell's Seashore Lawn Grass Seed.** The problem of establishing a good lawn at the seashore frequently causes concern. If 3 or 4 inches of top soil is spread over the surface, and well firmed, an application of Michell's Special Formula Seashore Lawn Mixture will produce a good lawn in 6 to 8 weeks. An occasional application of pure Sheep Manure during the spring, summer and fall months will increase the strength and color of the grass. Our formula has been thoroughly tested out in various localities, especially at the Atlantic seashore resorts, and has given splendid satisfaction. If the soil is exceptionally poor, and it is not possible to apply a layer of top soil, white Clover will help to make the sod thick and also protect the grass. Sow 4 bushels per acre, in making new lawns, or 2 $\frac{1}{2}$  bushels per acre, in renovating old lawns. Per pt., 20c.; 30c. per qt.; 2 qts., 55c.; \$1.00 for 4 qts.; peck, \$1.75; \$6.50 per bu. of 20 lbs.; 100 lbs. and over, 30c. per lb.

**Michell's Shaded Lawn Grass Seed.** Shaded locations produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions, and after extensive experimenting have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this apply air-slacked lime (or land plaster where the former is not available) at a rate of 1 bushel to each 1000 square feet. Sow seed at the same rate as suggested above under the heading "quantity to sow for lawns." This mixture weighs 20 lbs. per bushel and will prove to be a remarkable success. Pint, 20c.; 30c. per qt.; 2 qts., 55c.; \$1.00 for 4 qts.; peck (5 lbs.), \$1.75; \$6.50 per bu. of 20 lbs.; 100-lb. lots and over, 30c. per lb.

If Grass Seed is wanted by Parcel Post, allow for mailing when remitting. See table on page 1.

(oe)

# MICHELL'S RELIABLE GRASS SEEDS—Continued 49

**Fairmount Park Lawn Seed.** A very fine mixture indeed, meeting the requirements of those desiring a moderately priced grass seed. Sow 4 bushels to the acre on new lawns or 2½ bushels in renovating old lawns. Prices: Per qt., 20c.; 35c. for 2 qts.; 4 qts., 65c.; \$1.00 per pk. (3¾ lbs.); per bu. of 15 lbs., \$3.75; 100-lb. lots and over, 22c. lb.

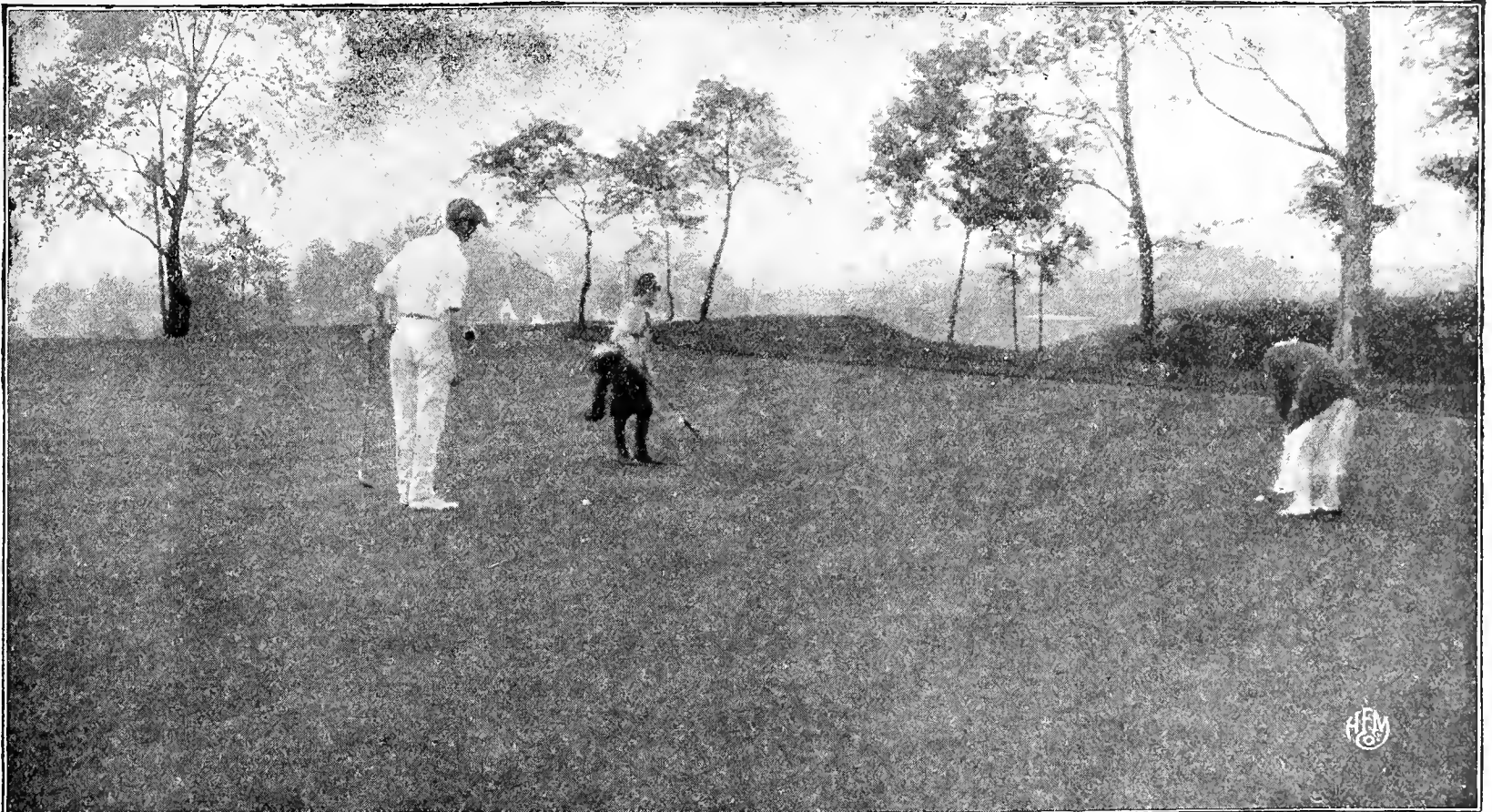
**Special Sod Grass Seed.** A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bu. Price: 25c. per qt.; 2 qts., 45c.; 75c. for 4 qts.; pk. (3¾ lbs.), \$1.25; \$4.50 per bu.; 100-lb. lots and over, 27½c. lb.

**Michell's Terrace or Embankment Grass Seed.** Sow 4 bushels per acre. Per qt., 30c.; 55c. for 2 qts.; 4 qts., \$1.00; \$1.75 per pk. (5 lbs.); per bu. of 20 lbs., \$6.50; 100-lb. lots and over, 30c. lb.

**Southern States Evergreen Lawn Grass Seed.** Made up especially for dry, hot localities; especially suited to the Southern States. 15 lbs. per bushel. Prices: 25c. per qt.; 2 qts., 45c.; 75c. for 4 qts.; pk. (3¾ lb.), \$1.25; \$4.50 per bu.; 100-lb. lots and over, 28c. per lb.

**Michell's Poultry Yard Grass Seed Formula.** Chickens like grass and should be placed on range, where they can get it as much as possible. Our formula germinates very quickly and makes a sod that grows luxuriantly. We put plenty of clover seed in this mixture, as it is very nutritious and the fowls relish it. 25c. per qt.; 2 qts. for 40c.; 75c. for 4 qts.; \$1.25 per pk. (3¾ lbs.); \$4.50 per bu. of 15 lbs.; per 100 lbs., 27½c. lb.

**Michell's Tennis Court Grass Seed Mixture.** Our mixture will be found particularly adapted for the purpose. Qt., 30c.; 50c. for 2 qts.; 4 qts., 85c.; \$1.60 per peck; bu. (20 lbs.), \$6.00; 100-lb. lots and over, 27½c. per lb.



A Putting Greens at the Sunnybrook Golf Club, Chestnut Hill, Philadelphia, seeded with Michell's Grass Seeds

**Michell's Fair Greens (Golf Course) Mixture.** Michell's Fairway Grass Seed Mixture is composed to meet the greatest variety of conditions and will invariably give permanent results quickly. The mixture is composed of short-growing, deep-rooted varieties that resist plenty of wear. It retains its color well during the severest droughts. Fairways to retain their permanency should receive additional sowings during the season to replace any weak or worn-out spots. Sow 6 bushels per acre. Prices: Qt., 30c.; 50c. for 2 qts.; 4 qts., 85c.; \$1.60 per peck; 1 bu. (20 lbs.), \$6.00; 100-lb. lots and over, 27½c. per lb.

**Michell's Woodland Grass Mixture.** After several tests, carefully followed up, we have arrived at a mixture of hardy grasses that have given splendid satisfaction for sowing in woodlands. It is especially adapted for thickly wooded locations (Norway Maples and Pine Trees excepted). In six to eight weeks in normal weather conditions it will produce growth ready for the lawn mower. Persons desiring a grass mixture that will do well in conditions such as we have described will get splendid satisfaction from Michell's Woodlands Formula. On new ground sow at the rate of 4 bushels per acre; for renovating old land, 2½ bushels per acre. 30c. per qt.; 2 qts. for 60c.; \$1.10 for 4 qts.; peck, \$2.00; \$7.00 per bu. of 20 lbs.; 100 lbs. and over, 32c. per lb.

**Michell's Putting Greens Mixture.** While many greens keepers prefer to make their own mixtures for this purpose, there are some who rely on the ability and experience of the seedsman. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quick-growing mixture of short, fine-bladed grasses, over which the ball can roll without resistance. In sowing Putting Greens it is wise economy to be very liberal with the seed, as Putting Greens are subjected to continuous hard use. We do not recommend less than 50 to 75 lbs. to a green, 75 foot square. Price: 1 qt., 50c.; \$1.75 for 4 qts.; 1 peck, \$3.25; \$12.00 per bu. of 25 lbs.; 100-lb. lots and over, 45c. per lb.

**Michell's Teeing Grounds Mixture.** Used on golf course tees or in other places where a tough resisting turf is wanted. 25c. per qt.; 2 qts., 45c.; 85c. for 4 qts.; peck, \$1.60; \$6.00 per bu. of 20 lbs.; 27½c. per lb.

**White Clover.** Choicest re-cleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.). 10c. oz.; ¼ lb., 25c.; 45c. per ½ lb.; lb., 85c.; \$4.00 per 5 lbs.; 10 lbs., \$7.75; \$43.00 per bu. of 60 lbs.; 100 lbs., \$70.00.

**NOTE.—All Grass Mixtures except Putting Greens, "Fair Greens" and Tennis Court Mixtures contain white clover. Any of them, however, can be furnished without this.**

All Prices are Subject to Change Without Notice.

(oc)

# 50 COMMON OR ENGLISH AND BOTANICAL NAMES OF POPULAR FLOWERS AND PLANTS

Abutilon—*Flowering Maple*.  
 Abyssinian Banana—*Musa Ensete*.  
 Achillea—*Milfoil*, *Sneezewort*.  
 Aconitum—*Helmot Flower*, *Monk's Hood*, *Wolf's Bane*.  
 Acorclinium—*Everlastings*.  
 Adam's Needle—*Yucca*.  
 Adiantum—*Maiden Hair Fern*.  
 Adlumia—*Allegheny Vine*, *Mountain Fringe*.  
 Adonis aestivalis—*Pheasant's Eye*.  
 African Daisy—*Arctotis*.  
 African Lily—*Agapanthus*.  
 Agapanthus—*African Lily*.  
 Ageratum—*Floss Flower*.  
 Agrostemma—*Rose Campion*.  
 Allegheny Vine—*Adlumia*.  
 Aloysia citriodora—*Lemon Verbena*.  
 Althaea rosea—*Hollyhock*.  
 Althaea—*Rose of Sharon*.  
 Alum Root—*Heuchera*.  
 Alyssum saxatile—*Basket of Gold*.  
 Amaranthus caudatus—*Love Lies Bleeding*.  
 Amaranthus tricolor—*Joseph's Coat*.  
 Amaryllis formosissima—*Jacobean Lily*.  
 Amethyst—*Browallia*.  
 Ampelopsis—*Virginia Creeper*.  
 Ampelopsis Veitchii—*Boston Ivy*.  
 Anchusa—*Sea Bugloss*.  
 Anemone—*Windflower*.  
 Anthericum—*St. Bruno's Lily*.  
 Antirrhinum—*Snappedragon*.  
 Aquilegia—*Columbine*.  
 Arabis—*Rock Cress*.  
 Arctotis—*African Daisy*.  
 Aristolochia—*Dutchman's Pipe*.  
 Armeria—*Sea Pink*, *Thrift*.  
 Artemisia absinthium—*Wormwood*.  
 Asclepias—*Butterfly Weed*.  
 Asparagus Fern—*Asparagus plumosus*.  
 Asperula—*Waldmeister*, *Woodruff*.  
 Baby's Breath—*Gypsophila*.  
 Baby Primrose—*Primula Forbesi*.  
 Bachelor's Button—*Centauria Gompheana*, *Bellis*.  
 Balloon Vine—*Cardiospermum*.  
 Balsam—*Lady Slipper*.  
 Balsam Apple—*Momordica*.  
 Baptisia—*False Indigo*.  
 Barberry—*Berberis*.  
 Basket of Gold—*Alyssum saxatile*.  
 Beard Tongue—*Pentstemon*.  
 Bee Balm—*Monarda*.  
 Bell Flower—*Campanula*.  
 Bellflower Lily—*Lilium canadense*.  
 Bells—*Bachelor's Button*, *English Daisy*.  
 Berberis—*Barberry*.  
 Bergamot—*Monarda*.  
 Bignonia—*Trumpet Vine*.  
 Black Eyed Susan—*Thunbergia*.  
 Blanket Flower—*Gaillardia*.  
 Blazing Star—*Liatris*.  
 Bleeding Heart—*Dielytra*.  
 Blue Bottle—*Centauria cyanus*.  
 Bluets—*Centauria cyanus*.  
 Bocconia—*Plume Poppy*.  
 Boltonia—*False Chamomile*.  
 Boston Ivy—*Ampelopsis Veitchii*.  
 Boxwood—*Buxus*.  
 Brachycome—*Swan River Daisy*.  
 Bridal Wreath—*Spiraea prunifolia*.  
 Briza—*Quaking Grass*.  
 Browallia—*Amethyst*.  
 Buddleia—*Butterfly Bush*.  
 Bush Eschscholtzia—*Hunnemannia*.  
 Buttercup—*Trollius*.  
 Butterfly Bush—*Buddleia*.  
 Butterfly Flower—*Schizanthus*.  
 Butterfly Pea—*Centrosema*.  
 Butterfly Weed—*Asclepias*.  
 Buttonwood—*Platanus orientalis*.  
 Buxus—*Boxwood*.  
 Calacia—*Tassel Flower*.  
 Caladium—*Elephant's Ear*.  
 Calendula—*Pot Marigold*.  
 California Poppy—*Eschscholtzia*.  
 Callirhoe—*Poppy Mallow*.  
 Calycanthus—*Sweet Shrub*.  
 Campanula calyc. — *Cap and Saucer*.  
 Campanula carpatia—*Hare Bell*.  
 Campion—*Lychnis*.  
 Canarybird Flower—*Tropaeolum Canariense*.  
 Candytuft—*Iberis*.  
 Cannula—*Indian Shot*.  
 Canterbury Bells—*Campanula*.  
 Cape Jessamine—*Gardenia florida*.  
 Cardinal Flower—*Lobelia cardinalis*.  
 Castor Oil Beans—*Ricinus*.  
 Catchfly—*Silene*.  
 Catalpa—*Umbrella Tree*.  
 Centaurea cyanus—*Bachelor's Button*, *Cornflower*, *Blue Bottle*, *Bluets*, *Ragged Sailor*.  
 Centaurea moschata—*Sweet Sultan*.  
 Celosia cristata—*Cockscomb*.  
 Cerastium—*Snow in the Summer*.

Cercis—*Judas Tree*.  
 Chinese Bell Flower—*Platycodon*.  
 Chinese Lantern Plant—*Physalis*.  
 Christmas Rose—*Helleborus Niger*.  
 Chrysanthemum frutescens—*Marguerite*, *Paris Daisy*.  
 Cigar Plant—*Cuphea platycentra*.  
 Clove Pinks—*Dianthus plumarius*.  
 Cockscomb—*Celosia cristata*.  
 Coix—*Job's Tears*.  
 Columbine—*Aquilegia*.  
 Cone Flower—*Rudbeckia*.  
 Convolvulus—*Morning Glory*.  
 Coral Lily—*Lilium tenuifolium*.  
 Cornflower Aster—*Stokasia*.  
 Cornflower—*Centaurea cyanus*.  
 Cornus florida—*Dogwood*.  
 Cowslip—*Primula veris*.  
 Crane's Bill—*Geranium*.  
 Crataegus—*Hawthorn*.  
 Cup and Saucer—*Campanula calyc.*  
 Cuphea platycentra—*Cigar Plant*.  
 Cynos—*Sago Palm*.  
 Cyperus—*Umbrella Plant*.  
 Cypress Vine—*Ipomea quamoclit*.  
 Cytisus—*Golden Chain*.  
 Daisy—*Bellis perennis*.  
 Datura cornucopia—*Horn of Plenty*.  
 Datura—*Trumpet Flower*.  
 Day Lily—*Funkia*, *Hemerocallis*.  
 Delphinium—*Larkspur*.  
 Dianthus barbatus—*Sweet William*.  
 Dianthus—*Pinks*.  
 Dielytra—*Bleeding Heart*.  
 Dictamnus—*Gas Plant*.  
 Digitalis—*Forgive*.  
 Dimorphotheca—*Orange Daisy*.  
 Dogwood—*Cornus florida*.  
 Dolichos—*Hyalanth Bean*.  
 Doronicum—*Leopard's Banc*.  
 Dusty Miller—*Centaurea gymnocarpa*.  
 Dusty Miller—*Cineraria Maritima*.  
 Dutchman's Pipe—*Aristolochia*.  
 Echinops—*Globe Thistle*.  
 Echinocystis—*Wild Cucumber*.  
 Edelweiss—*Lentopodium*.  
 Egyptian Lotus—*Nelumbium*.  
 Elephant Ears—*Caladium*.  
 English Daisy—*Bellis*.  
 English Primrose—*Primula vulgaris*.  
 Erianthus—*Plume Grass*.  
 Eryngium—*Sea Holly*.  
 Eulalia—*Zebra Grass*.  
 Euphorbia—*Mexican Fire Plant*.  
 Evening Primrose—*Oenothera*.  
 Everlastings—*Acroclinium*, *Gomphrena*, *Helichrysum*, *Rhodanthe*, *Xeranthemum*.  
 Everlasting Pea—*Lathyrus latifolius*.  
 Euxochorda grandiflora—*Pearl Bush*.  
 Fairy Lily—*Zephyranthes*.  
 False Chamomile—*Boltonia*.  
 False Indigo—*Baptisia*.  
 Feather Grass—*Stipa*.  
 Feverfew—*Matricaria*.  
 Flax—*Linum*.  
 Fleur de lis—*Iris germanica*.  
 Floss Flower—*Ageratum*.  
 Flowering Maple—*Abutilon*.  
 Flowering Tobacco—*Nicotiana*.  
 Forget-me-not—*Myosotis*.  
 Forsythia—*Golden Bell*.  
 Fountain Grass—*Pennisetum*.  
 Four o'Clocks—*Mirabilis*.  
 Foxglove—*Digitalis*.  
 Fuchsia—*Lady's Ear Drop*.  
 Funkia—*Day Lily*.  
 Gaillardia—*Blanket Flower*.  
 Gardener's Garters—*Phalaris*.  
 Garden Heliotrope—*Valeriana*.  
 Gardenia florida—*Cape Jessamine*.  
 Gay Feather—*Liatris*.  
 Gas Plant—*Dictamnus*.  
 Gentian—*Gentiana*.  
 Geranium—*Crane's Bill*.  
 Gilliflower—*Stocks*.  
 Globe Amaranth—*Gomphrena*.  
 Globe Flower—*Trollius*.  
 Globe Thistle—*Echinops*.  
 Gold Dust—*Alyssum saxatile*.  
 Golden Bell—*Forsythia*.  
 Golden Chain—*Cytisus*.  
 Golden Feather—*Pyrethrum aureum*.  
 Golden Rod—*Solidago*.  
 Gomphrena—*Everlastings*, *Globe Amaranth*, *Bachelor's Button*.  
 Grass Pinks—*Dianthus plumarius*.  
 Glycerium—*Pampas Grass*.  
 Gypsophila—*Baby's Breath*.  
 Hare Bell—*Campanula carpatia*.  
 Hawthorn—*Crataegus*.  
 Heart's Ease—*Pansy*.  
 Helenium—*Sneezewort*.  
 Helianthemum—*Rock Rose*.  
 Helianthus—*Sunflower*.  
 Helichrysum—*Strawflower*.  
 Helleborus niger—*Christmas Rose*.  
 Helmet Flower—*Aconitum*.  
 Hemerocallis—*Day Lily*.  
 Hesperis—*Sweet Rocket*, *Rocket*.

Heuchera—*Alum Root*.  
 Hollyhocks—*Althaea rosea*.  
 Honesty—*Lunaria*.  
 Hops—*Humulus*.  
 Hordeum—*Squirrel Tail Grass*.  
 Horn of Plenty—*Datura cornucopia*.  
 Hunnemannia—*Bush Eschscholtzia*.  
 Hyacinth Bean—*Dolichos*.  
 Ice Plant—*Mesembryanthemum*.  
 Indian Shot—*Canna*.  
 Ipomea noctiflora—*Moonflower*.  
 Ipomea quamoclit—*Cypress Vine*.  
 Jacobean Lily—*Amaryllis formosa*.  
 Jacobaea—*Senecio*.  
 Japan Pinks—*Dianthus Heddewigii*.  
 Jerusalem Cherry—*Solanum capsicastrum*.  
 Job's Tears—*Coix*.  
 Judas Tree—*Cercis*.  
 Joseph's Coat—*Amaranthus tricolor*.  
 Kalnia latifolia—*Mountain Laurel*.  
 Kenilworth Ivy—*Linariacymbalaria*.  
 Kochia—*Mexican Fire Bush*, *Summer Cypress*.  
 Kudzu Vine—*Pueraria*.  
 Lady's Ear Drop—*Fuchsia*.  
 Lady's Slipper—*Balsam*.  
 Larkspur—*Delphinium*.  
 Lathyrus latifolius—*Everlasting Pea*.  
 Leadwort—*Plumbago*.  
 Lemon Verbena—*Aloysia citriodora*.  
 Lentopodium—*Edelweiss*.  
 Leopard's Banc—*Doronicum*.  
 Liatris—*Gay Feather*.  
 Lilac—*Syringa*.  
 Lily of the Valley—*Convallaria*.  
 Lobelia cardinalis—*Cardinal Flower*.  
 Loose Strife—*Lythrum*.  
 Love Groves—*Nemophila*.  
 Love in a Mist—*Nigella*.  
 Love Lies Bleeding—*Amaranthus caudatus*.  
 Linariacymbalaria—*Kenilworth Ivy*.  
 Luffa—*Cucumis acutangulus*.  
 Lunaria—*Honesty*, *Moonwort*.  
 Lychnis—*Ragged Robin*, *Rose Campion*.  
 Lythrum—*Loose Strife*.  
 Maiden Hair Fern—*Adiantum*.  
 Mallow—*Hibiscus*.  
 Marguerite—*Chrysanthemum frutescens*.  
 Marigold—*Tagetes*.  
 Marshmallow—*Hibiscus*.  
 Marvel of Peru—*Mirabilis*.  
 Mathiola—*Night Scented Stock*.  
 Matricaria—*Feverfew*.  
 Meadow Rue—*Thalictrum*.  
 Mesembryanthemum—*Ice Plant*.  
 Mexican Fire Bush—*Kochia*.  
 Mexican Fire Plant—*Euphorbia*.  
 Michaelmas Daisy—*Aster perennis*.  
 Mignonette—*Reseda*.  
 Mimosa—*Sensitive Plant*.  
 Mimulus moschatus—*Musk Plant*.  
 Mirabilis—*Four o'Clocks*, *Marvel of Peru*.  
 Mock Orange—*Philadelphus*.  
 Momordica Balsamina—*Balsam Apple*.  
 Monarda—*Bee Balm*, *Bergamot*.  
 Monk's Hood—*Aconitum*.  
 Moonflower—*Ipomea noctiflora*.  
 Moonwort—*Lunaria*.  
 Morning Glory—*Convolvulus*.  
 Moss Pink—*Phlox subulata*.  
 Mountain Fringe—*Adlumia*.  
 Mountain Laurel—*Kalmia latifolia*.  
 Mourning Bride—*Scabiosa*.  
 Musa ensete—*Abyssinian Banana*.  
 Musk Plant—*Mimulus moschatus*.  
 Myosotis—*Forget-me-not*.  
 Myrtle—*Vinca minor*.  
 Nelumbium—*Egyptian Lotus*.  
 Nemophila—*Love Groves*.  
 Nicotiana—*Flowering Tobacco*.  
 Nigella—*Love in a Mist*.  
 Night Scented Stock—*Mathiola*.  
 Oenothera—*Evening Primrose*.  
 Orange Daisy—*Dimorphotheca*.  
 Ox-eye—*Adonis vernalis*.  
 Painted Tongue—*Salpiglossis*.  
 Pampas Grass—*Glycerium*.  
 Pancratium Lily—*Ismene calathina*.  
 Paris Daisy—*Chrysanthemum frutescens*.  
 Passiflora—*Passion Flower*.  
 Peach Bells—*Campanula persicifolia*.  
 Pearl Bush—*Euxochorda grandiflora*.  
 Periwinkle—*Vinca*.  
 Phalaris—*Gardener's Garters*.  
 Phalaris—*Ribbon Grass*.  
 Pheasant's Eye—*Adonis aestivalis*.  
 Philadelphia—*Mock Orange*.  
 Phlox drummondii—*Flame Flower*.  
 Phlox subulata—*Moss Pink*.  
 Pincushion Flower—*Scabiosa*.  
 Pinks—*Dianthus*.  
 Platanus orientalis—*Buttonwood*.  
 Platycodon—*Chinese Bell Flower*.  
 Plumbago—*Leadwort*.  
 Plume Grass—*Erianthus*.

Plume Poppy—*Bocconia*.  
 Polyanthus—*Primula elatior*.  
 Poppy Mallow—*Callirhoe*.  
 Poppy—*Papaver*.  
 Pot Marigold—*Calendula*.  
 Pueraria—*Kudzu Vine*.  
 Pyrethrum aureum—*Golden Feather*.  
 Quaking Grass—*Briza*.  
 Rag Gourd—*Cucumis acutangulus*.  
 Ragged Robin—*Lychnis*.  
 Ragged Sailor—*Centaurea cyanus*.  
 Red Bud—*Cercis canadensis*.  
 Red Hot Poker Plant—*Tritoma*.  
 Reed—*Arundo donar*.  
 Reseda—*Mignonette*.  
 Rhodanthe—*Everlastings*.  
 Ribbon Grass—*Phalaris*.  
 Rock Cress—*Arabis*.  
 Rocket—*Hesperis*.  
 Rock Rose—*Helianthemum*.  
 Rose Campion—*Agrostemma*.  
 Rose Campion—*Lychnis*.  
 Rose of Sharon—*Althaea*.  
 Rudbeckia—*Cone Flower*.  
 Sago Palm—*Cycas*.  
 Salpiglossis—*Painted Tongue*.  
 Salvia splendens—*Scarlet Sage*.  
 Saponaria—*Soapwort*.  
 Satin Flower—*Godetia*.  
 Scabiosa—*Mourning Bride*.  
 Scabiosa—*Pincushion Flower*.  
 Scarlet Sage—*Salvia splendens*.  
 Schizanthus—*Butterfly Flower*.  
 Sea Bugloss—*Anchusa*.  
 Sea Lavender—*Statice*.  
 Sea Holly—*Eryngium*.  
 Sea Pink—*Armeria*.  
 Sedum—*Stonecrop*.  
 Senecio—*Jacobaea*.  
 Sensitive Plant—*Mimosa*.  
 Silene—*Catchfly*.  
 Silk Oak—*Grevillea*.  
 Snappedragon—*Antirrhinum*.  
 Sneezewort—*Helenium*.  
 " — *Achillea*.  
 Snowball—*Viburnum*.  
 Snowberry—*Symphoricarpos*.  
 Snow in the Summer—*Cerastium*.  
 Snow on the Mountain—*Euphorbia*.  
 Soapwort—*Saponaria*.  
 Solanum capsicastrum—*Jerusalem Cherry*.  
 Solidago—*Golden Rod*.  
 Speedwell—*Veronica*.  
 Spider Plant—*Cleome*.  
 Squirrel Tail Grass—*Hordeum*.  
 Star of Bethlehem—*Ornithogalum*.  
 Statice—*Sea Lavender*.  
 St. Bruno's Lily—*Anthericum*.  
 St. John's Wort—*Hypericum*.  
 Stonecrop—*Sedum*.  
 Stipa—*Feather Grass*.  
 Stocks—*Gilliflower*.  
 Stokesia—*Cornflower Aster*.  
 Strawflower—*Helichrysum*.  
 Summer Cypress—*Kochia*.  
 Sunflower—*Helianthus*.  
 Swan River Daisy—*Brachycome*.  
 Sweet Pepper Bush—*Chitra*.  
 Sweet Rocket—*Hesperis*.  
 Sweet Shrub—*Calycanthus*.  
 Sweet Sultan — *Centaurea moschata*.  
 Sweet William—*Dianthus barbatus*.  
 Symphoricarpos—*Snowberry*.  
 Syringa—*Lilac*.  
 Tagetes—*Marigold*.  
 Tassel Flower—*Cacalia*.  
 Thrift—*Armeria*.  
 Thunbergia—*Black Eyed Susan*.  
 Tobacco—*Nicotiana*.  
 Trillium—*Wake Robin*, *Wood Lily*.  
 Tritoma—*Red Hot Poker*.  
 Trollius—*Buttercup*.  
 Trumpet Flower—*Datura*.  
 Trumpet Vine—*Bignonia*.  
 Tufted Pansies—*Viola cornuta*.  
 Turk's Cap Lily—*Lilium superbum*.  
 Valeriana—*Garden Heliotrope*.  
 Viburnum—*Snowball*.  
 Vinca minor—*Myrtle*.  
 Vinca—*Periwinkle*.  
 Viola cornuta—*Tufted Pansies*.  
 Virgin's Bower—*Clematis*.  
 Virginia Creeper—*Ampelopsis quinquefolia*.  
 Umbrella Plant—*Cyperus*.  
 Urubella Tree—*Catalpa*.  
 Waldmeister—*Asperula*.  
 Wallflower—*Cheiranthus*.  
 Wild Cucumber—*Echinocystis*.  
 Windflower—*Anemone*.  
 Wolf's Bane—*Aconitum*.  
 Wood Lily—*Trillium*.  
 Wood Fern—*Aspidium*.  
 Woodruff—*Asperula*.  
 Wormwood—*Artemisia absinthium*.  
 Xeranthemum—*Everlastings*.  
 Yarrow—*Achillea*.  
 Youth and Old Age—*Zinnia*.  
 Yucca—*Adam's Needle*.  
 Zebra Grass—*Eulalia*.  
 Zephyranthes—*Fairy Lily*.

In the past few years Rock Gardens and Rockeries, although of ancient origin, have justly come in favor again. There are few gardens where something of this sort might not be constructed and made highly attractive, especially in locations where stones are plentiful. They may be used for hiding unsightly objects, or for giving variety to an otherwise flat and monotonous garden. Below we give a selection of plants, especially suited for this purpose.

Varieties marked S. can be furnished in seeds only; marked P., plants only; marked S. P. either plants or seeds. See index of catalog for listing.



A Rock Garden planted in this fashion makes a dull spot bright

- S. P. Alyssum maritimum (Sweet Alyssum)
- S. P. Alyssum saxatile compactum (Basket of Gold)
- S. P. Aquilegia (Columbine)
- S. Arabis alpina (Rock Cress)
- S. Asperula odorata (Woodruff)
- S. Campanula carpatica (Hare Bell)
- S. P. Candytuft sempervirens
- S. Centaurea candidissima (Dusty Miller)
- S. P. Centaurea gymnocarpa (Dusty Miller)
- S. Cerastium tomentosum (Snow in Summer)
- P. Dianthus deltoides (Maiden Pink)

- S. Edelweiss (Leontopodium)
- P. Euonymus radicans
- P. Ferns, Hardy varieties
- S. Gypsophila elegans
- S. P. Gypsophila paniculata (Baby's Breath)
- S. Kenilworth Ivy (Linaria)
- S. Mesembryanthemum (Ice Plant)
- S. P. Myosotis (Forget-me-not)
- P. Phlox subulata (Moss Pink)
- S. Portulaca
- S. P. Primula Veris (English Cowslip)
- S. P. Primula Vulgaris (English Primrose)
- P. Sedum (Stone Crop)
- P. Vinca Minor (Periwinkle)

FLOWERING PLANTS FOR CUTTING AND OPEN BORDER PLANTING

ANNUALS

- S. P. Anthirrhinum (Snapdragon)
- S. Arctotis (African Daisy)
- S. P. Asters
- S. Calliopsis
- S. Candytuft
- S. Celosia plumosa (Feathered Cockseomb)
- S. Centaurea (Cornflower)
- S. Chrysanthemum
- S. P. Cosmos
- S. Dimorphotheca
- S. Gaillardia (Blanket Flower)
- S. Gomphrena
- S. Gypsophila elegans
- S. Larkspur
- S. Lupinus
- S. P. Marigold
- S. Mignonette
- S. Nasturtium
- S. Pinks
- S. Salpiglossis
- S. Scabiosa
- S. P. Stocks
- S. Sunflower
- S. Sweet Peas
- S. Sweet Sultan
- S. P. Zinnia

PERENNIALS

- S. P. Aquilegia (Columbine)
- S. P. Achillea (Sneezewort)
- S. P. Anthemis (Marguerite)
- S. P. Anemone (Windflower)
- P. Artemisia lactiflora
- S. P. Aster (Michaelmas Daisy)
- S. Boltonia (False Chamomile)
- S. P. Carnation
- S. P. Coreopsis
- S. P. Chrysanthemum
- S. P. Delphinium
- S. Eupatorium
- S. P. Gaillardia grandiflora
- S. P. Gypsophila paniculata
- S. Geum
- S. P. Heliopsis
- S. Heuchera (Alum Root)
- S. P. Lupinus
- S. P. Phlox decussata
- S. Pentstemon
- S. P. Pinks
- S. P. Rudbeckia
- S. P. Shasta Daisy
- S. P. Stokesia
- S. Statice
- S. P. Stevia



Borders on the edges of lawns planted in this fashion are an attraction from early Spring to Fall

For Common and Botanical Names of Popular Flowers and Plants see page 50.

A number of Plants, which are grown from Bulbs, produce splendid cut flowers, especially: Gladiolus, Dahlias, Acidanthera, Callas and Tuberoses.

FLOWERS AND PLANTS FOR PARTIALLY SHADED LOCATIONS

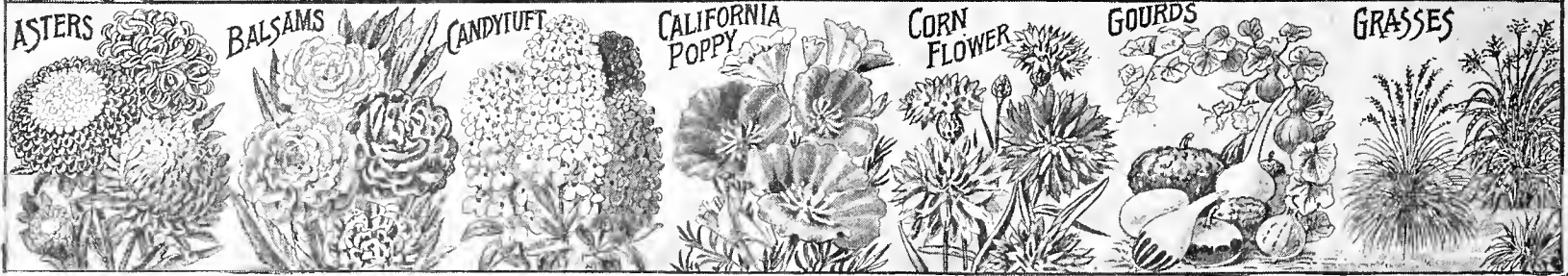
Very few plants will flower in places, from which sunshine is entirely excluded. They may grow well enough, developing leaves, but plants of nearly all kinds must have at least some sunshine. With the exception of Hardy Ferns, which will do very well even in dense shade, the varieties named below should have sunlight for at least two hours during the day, to produce best results.

- S. Aconitum (Monk's Hood)
- S. P. Anemone (Windflower)
- S. P. Aquilegia (Columbine)
- S. Asperula (Woodruff)
- S. Auricula
- S. Bartonia
- S. P. Begonia, Tuberos-rooted (Can be furnished in Bulbs also)
- S. P. Bellis (Daisy)
- S. P. Campanula (Canterbury Bells)
- S. Clarkia
- S. P. Coreopsis lanceolata
- S. P. Cowslip
- S. P. Delphinium (Larkspur)
- S. P. Digitalis (Foxglove)
- P. Ferns (Hardy)
- S. P. Fuchsia

- S. Gentiana (Gentian)
- P. Lily of the Valley
- S. Linum (Flax)
- S. P. Lobelia Cardinalis (Cardinal Flower)
- S. P. Matricaria (Feverfew)
- S. Mimulus (Musk Plant)
- S. P. Myosotis (Forget-me-not)
- P. Pachysandra
- S. P. Pansies
- S. P. Polyanthus
- S. P. Poppy (Perennial varieties)
- S. Schizanthus (Butterfly-Flower)
- S. Torenia
- P. Trillium (Wood Lily)
- S. P. Viola cornuta (Tufted Pansies)
- S. P. Violets

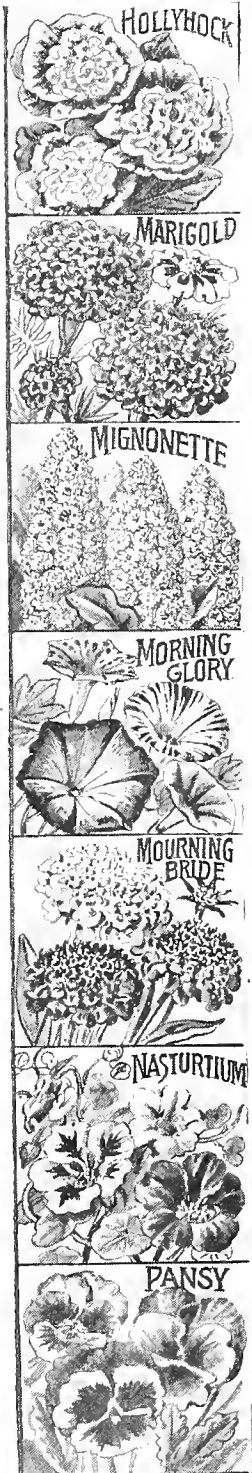


Plantings against shaded backgrounds like this accomplish wonderful effects



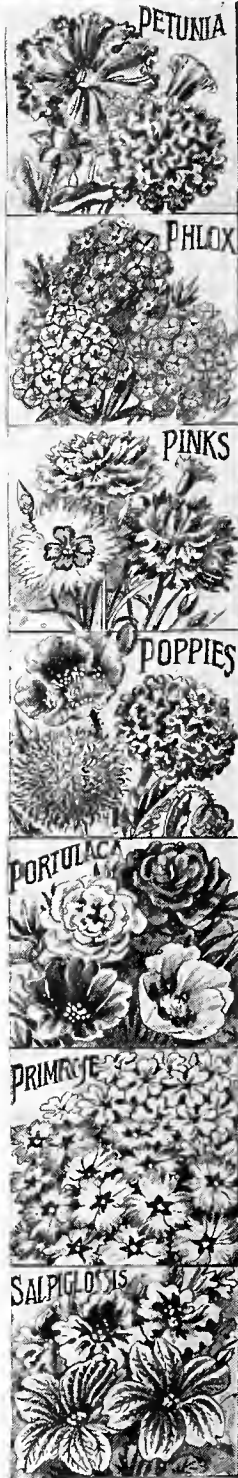
# Michell's Collections of Popular Old Fashioned Flowers

On this page the lover of Old-Fashioned Flowers will find a selection of all the better varieties grouped under their respective names. They are also listed through the Flower Seed pages, where they are described more fully.



- ASTERS**—Michell's Improved Simple's Branching, in 6 charming and distinct colors; late bloomers .....\$0.50
- Michell's Invincible. Profuse flowering; massive paeony formed flowers; 5 colors ..... .40
- New Crego. Twisted and curled petals like a huge chrysanthemum; splendid varieties, in 6 colors ..... .50
- Early Royal Branching. Bloom in July and August; 5 colors ..... .40
- Queen of the Market. In 6 grand colors; very fine ..... .50
- Giant Comet. Flowers of exquisite form; 6 colors ..... .50
- BALSAMS**—Double Camellia Flowered. A greatly improved strain of these old favorites in 6 colors; very double ..... .30
- CALIFORNIA POPPIES** (Eschscholtzia). Their brilliant colors make the garden gay; very useful for cutting; 8 distinct colors ..... .50
- CANDYTUFT**. Flowers within six weeks after sowing, and will give a mass of attractive blooms; 6 colors..... .25
- CORN FLOWER, GIANT** (Centaurea or Sweet Sultan). An old favorite garden annual; 6 colors ..... .50
- GOURDS**. A most bewildering assortment of these interesting subjects, ever so greatly admired; 8 varieties ..... .30
- GRASSES** (Ornamental). In 11 grand varieties ..... .60
- HOLLYHOCKS**. No garden should be without these very showy plants; 6 grand and distinct colors ..... .50
- LARKSPUR**. Excellent annuals for cutting; 6 colors ..... .50
- MARIGOLDS**. Double French. Profuse bloomers and always showy; 6 imported varieties ..... .30
- Double African; 6 distinct sorts..... .30
- MIGNONETTE**. Ever a favorite in the garden, and will bloom until frost; 6 varieties ..... .40
- NASTURTIUMS**. Invaluable as showy garden plants.
- Dwarf. 6 distinct sorts; one pkt. each ..... .25
- 12 distinct sorts; one pkt. each..... .50
- Tall. 6 distinct sorts; one pkt. each ..... .25
- 12 distinct sorts; one pkt. each..... .50
- PANSY**. No garden is a garden without Pansies. Ours are admitted to be the finest in existence.
- Giant Prize. 6 grand colors; fine..... .75
- Giant Prize. 12 grand colors; exquisite ..... 1.40
- Regular Sorts. 6 fine colors..... .50
- Regular Sorts. 12 fine colors..... .90

- PETUNIAS**. A greatly improved strain in colors and size; immense frilled flowers; single; 6 colors .....\$0.75
- PHLOX DRUMMONDII**. Grandiflora. 12 very beautiful and gaudy imported sorts ..... .75
- PINKS** (Dianthus). Their delicious odor makes them ever attractive. Odd forms in 10 varieties ..... .50
- POPIES**. Single Annual. Rich in colors. The most showy flowers in the garden and great favorites; 8 single sorts ..... .50
- Double Annual. 6 colors ..... .25
- PORTULACA**. Single. 8 varieties..... .30
- Double. The finest imported that can be had; 6 gorgeous colors; grand... .50
- PRIMROSE** (Primula Chinensis). Every one loves them; these 8 imported sorts are grand ..... .75
- SALPIGLOSSIS**. Very curious and interesting forms; many are quite new; 6 fine sorts ..... .50
- SNAPDRAGONS** (Antirrhinum). Old standbys for showy groups, in many varied colors
- Michell's Giant Tall. 6 colors..... .50
- Michell's Semi-Dwarf. 6 colors..... .50
- MOURNING BRIDE** (Scabiosa). Excellent hardy annuals; fine for cutting; 6 colors ..... .25
- STOCKS**. Flower Market. Plants branch freely and produce from 10 to 15 spikes of flowers; 6 colors ..... .75
- Dwarf Ten-Week. 6 finest varieties.. .50
- STRAW FLOWER**. (Helichrysum). Beautiful everlasting flowers, remaining perfect for months; 6 distinct varieties; all fine ..... .50
- SWEET PEAS**. Spencer or Orchid-Flowering. A grand selection of 14 varieties, all beautiful and distinct. 1.00
- Grandiflora. 12 varieties ..... .40
- VERBENAS**. Mammoth Fancy. The kinds that bear the largest flowers; in all colors; 5 distinct varieties ..... .40
- WALL FLOWER**. Single. Well-known favorites of distinct colors; 6 imported varieties ..... .40
- Double. Very fine, compact trusses; 6 varieties ..... .50
- ZINNIA**. Dwarf Double. Indispensable in every garden; masses of flowers in all shades; 6 grand colors... .25
- Tall Double. A fine collection; 6 distinct colors ..... .25
- Giant Double. Finest of all; every shade of color found in Zinnias; 8 colors ..... 1.00







### "SUBURBAN" COLLECTION OF ANNUALS

25 Varieties. Special Price, \$2.00

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.  
 1 oz. Nasturtium. Tall Fancy Giant. Mixed.  
 ¼ lb. Sweet Peas. Spencer Varieties. Mixed.  
 1 oz. Mixed or Wild Flower Garden Seeds.

And one packet each of the following:

- |                               |                                |
|-------------------------------|--------------------------------|
| Ageratum. Blue Perfection.    | Marigold. Orange Prince.       |
| Alyssum. Little Gem.          | Mignonette. Machet.            |
| Aster. Invincible. Mixed.     | Pansy. Giant Trimardeau.       |
| Balsam. Camellia Flowered.    | Petunia. Choicest Mixed.       |
| Calliopsis. Golden Wave.      | Phlox Drummondii. Grandiflora. |
| Candytuft. Giant White.       | Mixed.                         |
| Celosia. Thompsoni Magnifica. | Poppy. Michell's Shirley.      |
| Centaurea. Emperor William.   | Portulaca. Double Mixed.       |
| Cosmos. Giant Fancy Mixed.    | Sunflower. Cut - and - Come -  |
| Dianthus. Double Fringed.     | Again.                         |
| Eschscholtzia. Golden West.   | Zinnia. Giant Robusta. Mixed.  |
| Larkspur. Giant. Mixed.       |                                |

### "POPULAR" COLLECTION OF ANNUALS

15 Varieties. Special Price, 50c.

One packet each of the following:

- |                            |                              |
|----------------------------|------------------------------|
| Alyssum. Sweet.            | Petunia. Fine Mixed.         |
| Aster. China, or German.   | Phlox Drummondii. Mixed.     |
| Cosmos. Giant Mixed.       | Poppy. Paeony Flowered.      |
| Marigold. Dwarf French.    | Portulaca. Single Mixed.     |
| Mignonette. Sweet Scented. | Sweet Pea. Gilt Edge. Mixed. |
| Nasturtium. Dwarf Mixed.   | Zinnia. Tall Double Mixed.   |
| Nasturtium. Tall Mixed.    | Mixed or Wild Flower Garden. |
| Pansy. Very Fine Mixed.    |                              |

### "QUAKER CITY" COLLECTION OF ANNUALS

16 Varieties. Special Price, \$1.00.

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.  
 1 oz. Nasturtium. Tall Fancy Giant. Mixed.  
 1 oz. Sweet Peas. Gilt Edge. Mixed.

And one packet each of the following:

- |                             |                                |
|-----------------------------|--------------------------------|
| Ageratum. Blue Perfection.  | Mignonette. Sweet Scented.     |
| Alyssum. Little Gem.        | Petunia. Choice Mixed.         |
| Aster. Improved Branching.  | Phlox Drummondii. Grandiflora. |
| Centaurea. Emperor William. | Mixed.                         |
| Cosmos. Giant Mixed.        | Poppy. Carnation flowered.     |
| Larkspur. Tall. Mixed.      | Portulaca. Double Mixed.       |
| Marigold. Large African.    | Zinnia. Giant Robusta.         |

### COLLECTION OF HARDY PERENNIALS

18 Varieties. Special Price, \$1.25.

One packet each of the following:

- |                                   |                               |
|-----------------------------------|-------------------------------|
| Alyssum. Saxatile.                | Hollyhock. Chater's Double.   |
| Aquilegia. Single Mixed.          | Lobelia. Cardinalis.          |
| Calliopsis. Lanceolata            | Poppy. Orientale.             |
| Grandiflora.                      | Pyrethrum. Single. Mixed.     |
| Campanula. Pyramidalis.           | Rudbeckia. Purpurea.          |
| Delphinium. Formosum.             | Scabiosa. Caucasica.          |
| Dianthus. Clove Scented.          | Stokesia. Cyanea.             |
| Digitalis. Gloxiniaeflora. Mixed. | Sweet William. Double.        |
| Gaillardia. Grandiflora.          | Mixture of Perennial Flowers. |
| Gypsophila. Paniculata.           |                               |

Collections of Asters, Dianthus, Phlox, etc., will be found on page 52, also under their respective heads.

# 54 MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS FOR 1920

For General List of Flower Seeds see Pages 59 to 93

## ASTER, RUGOWSKI'S MERITORIOUS PINK

Originated with J. K. Rugowski, of Wisconsin; we quote the originator's description: "This variety is a cross between Semple's Branching and American Beauty; flowers are of immense size, resembling Chrysanthemums; color, a solid pink. The first six or eight blooms come on long stems, with one bloom each, measuring from 3½ to 4 inches in diameter. The plant is robust and attains a height of 2½ feet in good soil. Seed sown April 1st produced blooming plants August 10th, which is considered mid-season." Per pkt., \$1.50.

## ASTER, RUGOWSKI'S PURE HONOR

We also quote the description of this new variety from the originator: "A cross between Semple's Branching and Crego; the flowers are so perfectly double that they show no centre; the color is pure white and will retain its color longer than any other white aster. Plants grow somewhat dwarf, with strong stems, averaging 18 to 20 blooms to each stem; flowers measuring 3 to 4 inches in diameter, and resembling Japanese Chrysanthemums." Per pkt., \$1.50.

## ASTER, EARLY ROYAL BRANCHING

An excellent strain of Early Branching Aster of the same form and having the same good qualities as the Late Branching variety, coming into bloom in July or early August and lasting in perfect condition for a long time. An excellent variety for cutting.

	Oz.	Large Pkt.	Pkt.
Lavender .....	\$3.00	\$0.50	\$0.10
Purple .....	3.00	.50	.10
Rose Pink .....	3.00	.50	.10
Shell Pink .....	3.00	.50	.10
White .....	3.00	.50	.10
Mixed .....	2.75	.50	.10
Collection, one packet each of above 5 colors .....			.40



Michell's Pink Superb Aster

## ASTER, "MICHELL'S PINK SUPERB"

This valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shell pink. One of the admirable features of this new variety is the exceedingly long stems, which usually measure 34 to 36 inches in length, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; ¼ oz., \$1.50.

## ASTER, AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters. Plants will average two and one-half to three feet in height, according to location, with immense flowers, usually four to five inches in diameter. The flowers are fully double to the last, are a most lovely shade of bright carmine rose. Per. pkt., 15c.; 65c. per large pkt.

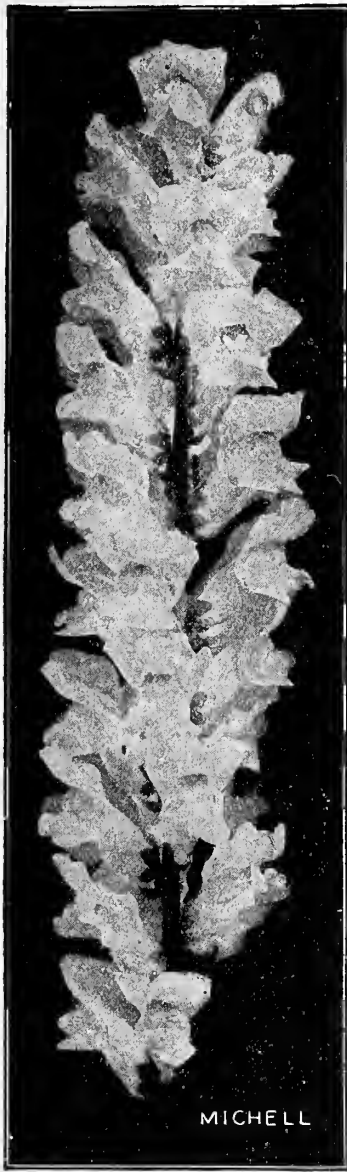
## NEW ASTER—VICK'S SILVERY ROSE

A new variety, the description of which we quote from the introducers: "A robust, long-stemmed, large flowering variety. Every petal is a combination of deep lilac rose, almost cerise, very delicately threaded with white. The threads are so tiny as to give the petals a silvery sheen. Even the slightest change in light will shade the petals from a rich, glowing rosy cerise to a silvery rose." Per pkt., 25c.; 65c. per 3 pkts.



Aster, Silvery Rose

For other varieties of Asters see pages 62 to 64



Antirrhinum (Snapdragon)

**SEMI-DWARF  
ANTIRRHINUMS  
(Snapdragon)**

This type is becoming very popular for bedding purposes owing to their dwarf and compact habit of growth; height about 18 inches. Spikes and flowers of good size; produce a mass of bloom.

**BRIDE**

Pure white, without any yellow on lip.

Per pkt., 10c.; 30c. per large pkt.

**CAPTIVATION**

A charming rich chamois shaded pink, a unique color. Flowers large; free bloomer.

Per pkt., 25c.; 65c. per 3 pkts.

**FIREBRAND**

Rich, deep red.

Per pkt., 10c.; 25c. per large pkt.

**GOLDEN QUEEN**

Flowers large; rich pure yellow.

Per pkt., 10c.; 25c. per large pkt.

**MONT BLANC**

Pure white.

Per pkt., 10c.; 25c. per large pkt.

**NELROSE**

Delicate pink.

Per pkt., 25c.; 50c. per large pkt.

**PINK GEM**

A lovely, clear, rose pink with white throat, very showy and distinct.

Per pkt., 25c.; 65c. per 3 pkts.

**ROSE QUEEN**

Rich, rose pink.

Per pkt., 10c.; 25c. per large pkt.

**SPECIAL OFFER**

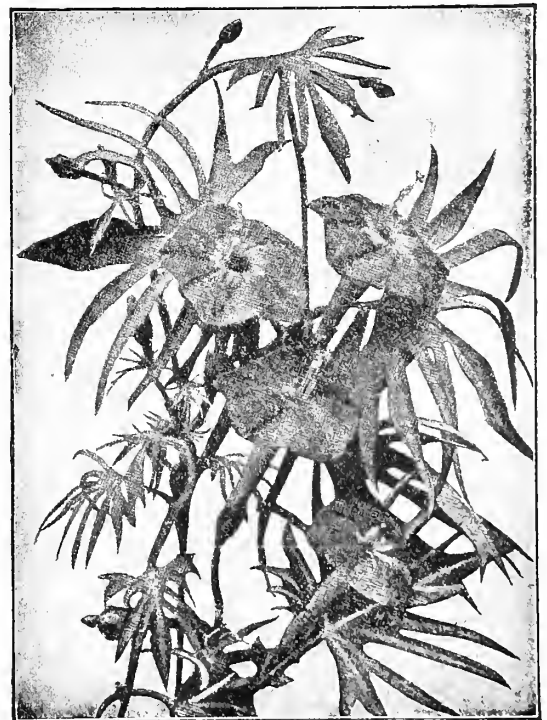
One packet each of the above eight varieties Semi-Dwarf Antirrhinums for \$1.00.



Antirrhinum—Bride

**DWARF ALYSSUM, Lilac Queen**

A distinct variety of the annual Sweet Alyssum, with pure lilac flowers. The plants are of the same dwarf compact growth, with the free and long blooming merits of the white flowering variety. Per pkt., 10c.; 40c. per large pkt.



Cardinal Climber

**GIANT SNAPDRAGON (Antirrhinum)**

**MICHELL'S SALMON PINK**

For effective grouping in the garden or for cutting, nothing surpasses the Giant Snapdragons, and we are pleased to be able to offer our customers seed of this variety which will be found a valuable addition to this class of flowers. The large flowers are produced on long spikes and are of a delicate salmon pink color. Per pkt., 15c.; 50c. per large pkt.

**THE CARDINAL CLIMBER**

**(Ipomoea Quamoclit Hybrida)**

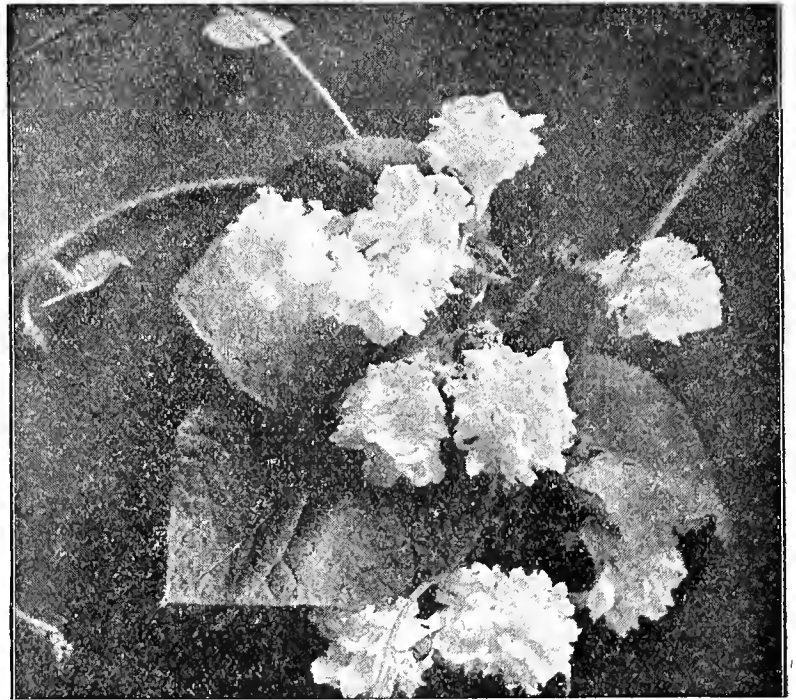
A distinct and valuable novelty and one of the most beautiful climbers. A strong and very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves are dark green, fern-like and deeply lacinated; bears a great profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. It delights in a warm, sunny situation and good soil. In order to have good germination of the seed a small notch should be filed or cut in each seed. Per pkt., 15c.; 65c. per large pkt.



Celosia, Pride of Castle Gould

**CELOSIA PLUMOSA  
PRIDE OF CASTLE GOULD**

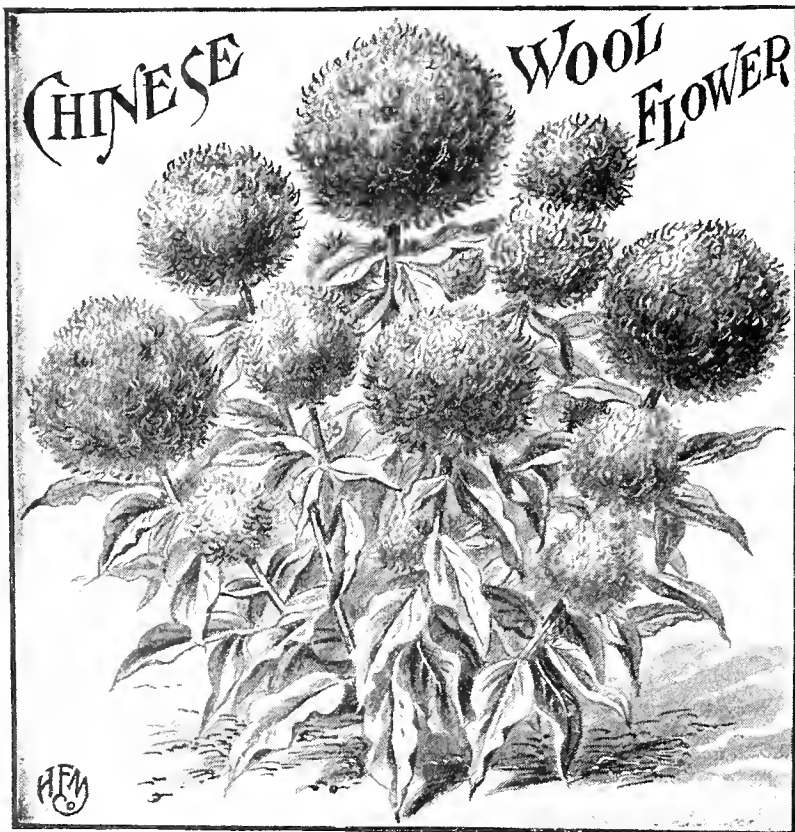
This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in mixture. Per pkt., 15c.; 40c. per large pkt.



Double Morning Glory, Snow Fairy

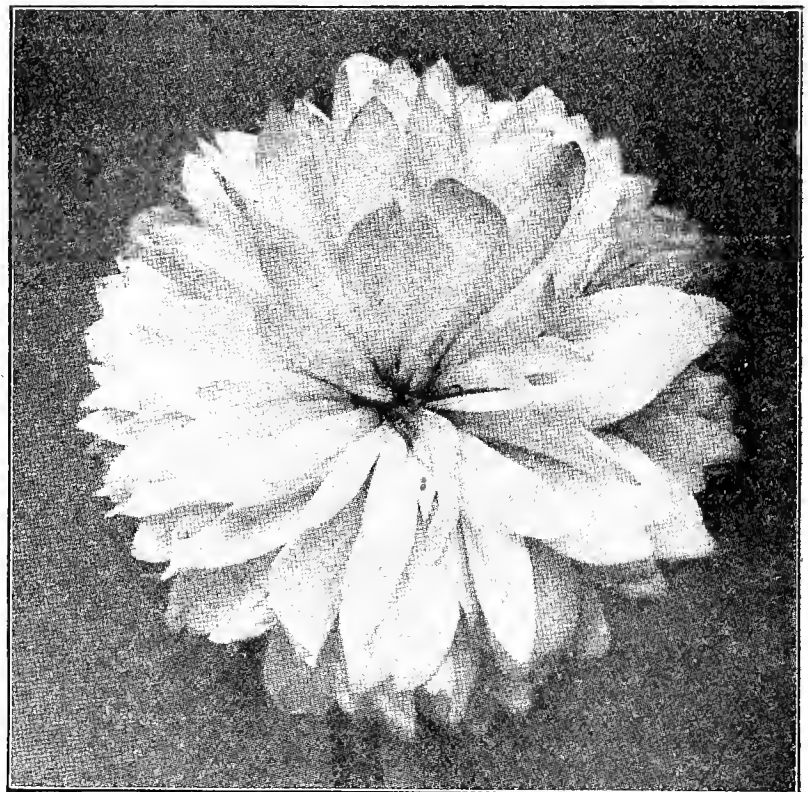
**NEW DOUBLE MORNING GLORY  
"SNOW FAIRY"**

A new and most beautiful variety of vigorous and rapid growth, beginning to bloom early and continuing until frost. Produces an abundance of **double, snow-white, tassel-like flowers** two to two and a half inches across by two and a half inches in depth. Per pkt., 10c.; 20c. per large pkt.; per oz., 75c.



**CHINESE WOOLFLOWER (Celosia Childsi)**

Plants grow about 2½ feet high, and branch freely, each shoot bearing beautiful, ball-shaped scarlet flowers resembling silky wool. It flowers profusely during summer and fall until frost destroys them. Per pkt., 15c.; 50c. per large pkt.



Cosmos, New Double Flowering

**COSMOS, NEW DOUBLE FLOWERING**

An entirely new race of this popular flower; the plants are similar in habit to the late flowering strain. The flowers are **full, round and double**, and are very attractive.

	Large Pkt.	Pkt.
Double Eureka. Crimson .....	\$0.65	\$0.25
Double Eureka. Pink .....	.65	.25
Double Snowball. White .....	.65	.25
One pkt. each above, 3 colors, for 65c.		

**SPECIAL OFFER**—One packet each of the **Novelties** and **Specialties** on this page for 90c.

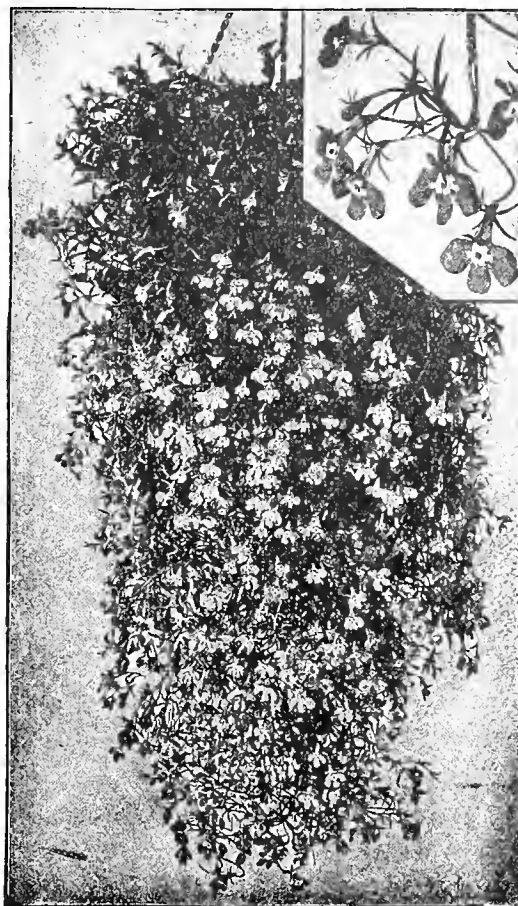


New Double-Crested Cosmos

**DOUBLE-CRESTED COSMOS**

An entirely new race of this popular flower; the plants are similar in habit to the late-flowering strain. A large percentage of the flowers have double crowns, which give the flowers a very dainty and exquisite appearance; the few single that are produced are extra fine.

	Large pkt.	Pkt.
Double Crested Pink Beauty.....	\$0.50	\$0.15
Double Crested White Queen.....	.50	.15
Double Crested Red Beauty.....	.50	.15
One packet each of the three colors for 40c.		
Double Crested Mixed .....	.50	.15



Lobelia—Sapphire

**LOBELIA HYBRIDA "Sapphire"**

This new variety is of remarkably strong growth; excellent for the floral decoration of balconies and window fronts, for which trailing Lobelias are coming into demand. The flowers are unusually large for a Lobelia, measuring three-quarter inch across, and are thickly set on the long, graceful sprays of foliage; color of flowers, intense deep blue with large, clearly defined white eye. A well-grown plant covered with these lovely blue oculate flowers makes a splendid sight. Per pkt., 20c.; 50c. per large pkt.

**LARGE FLOWERING PETUNIA**

**"MICHELL'S MONSTROSUS"**

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers are extremely large, quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 75c. per large pkt.

**LARGE FLOWERING DWARF PETUNIA**

**"IDEAL"**

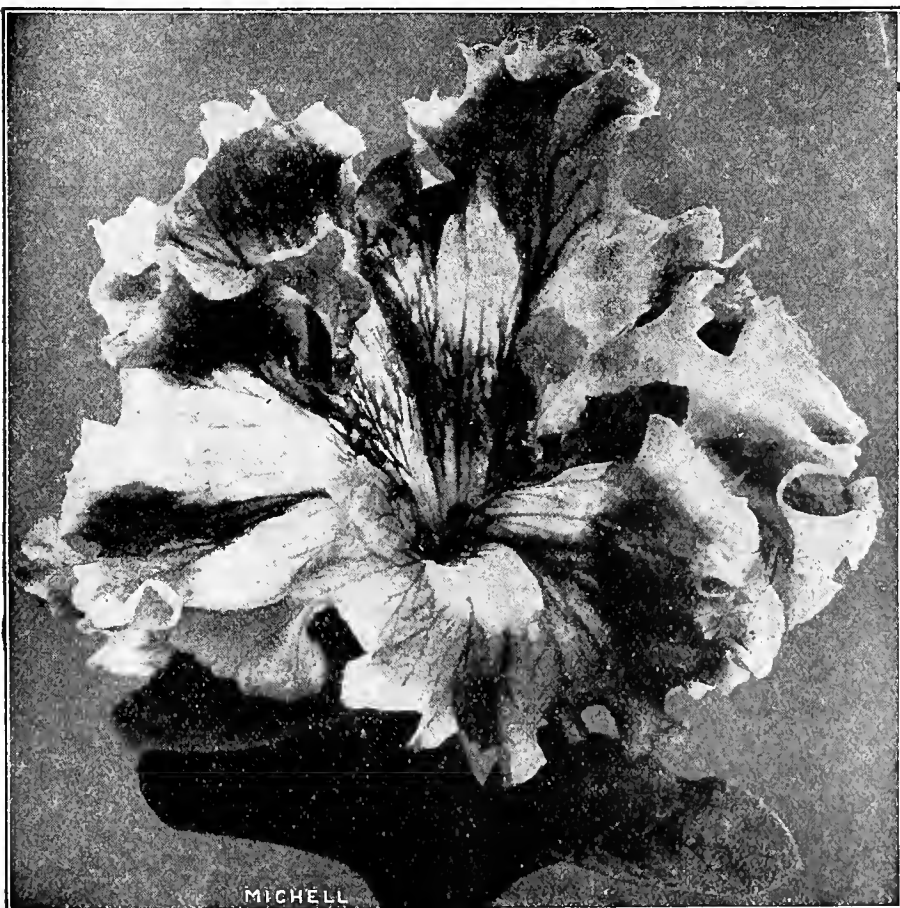
A magnificent new dwarf strain of large-flowered Petunia. The plants, which are of strong, robust growth, are 12 to 15 inches in height, and produce enormous flowers, many of which measure 6 inches across, and of varied and exquisite coloring. An ideal pot plant. Per pkt., 40c.; 75c. per 2 pkts.

**NEW DOUBLE WHITE  
PRIMULA MALACOIDES**

The flowers are produced in great profusion, even tiny plants producing spikes of bloom; full-grown plants yield a mass of flowers, sometimes showing a delicate tinge of color which rather tends to improve the general effect than otherwise. Per pkt., 75c.; \$2.00 per 3 pkts.

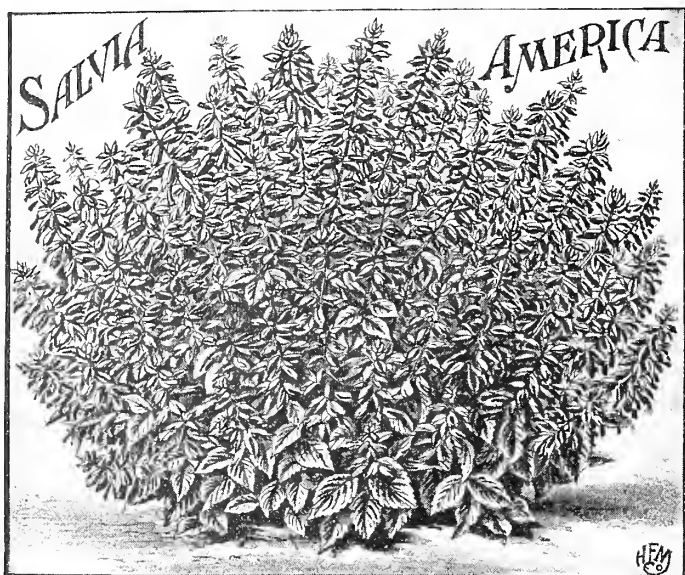
**SCHIZANTHUS—"Snowflake"**

A new variety of compact habit, bearing masses of pure white flowers, beautifully fringed, and much larger than its parent, "Bridal Veil." Of easy culture and admirably adapted for growing in pots. Per pkt., 30c.; 80c. per 3 pkts.



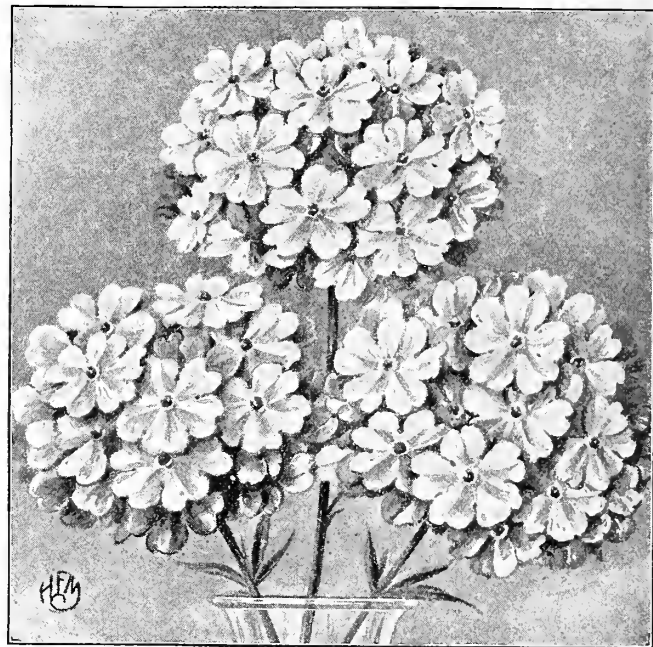
MICHELL

Petunia, Michell's Monstrosus



**SALVIA-AMERICA, OR GLOBE OF FIRE**

A new variety of this popular flower; of dwarf, bushy compact growth, and very uniform in height and shape. A free and continuous bloomer, and producing large spikes of brilliant scarlet flowers. We consider this variety an improvement over any other dwarf Salvia. Per pkt., 25c.; 65c. per large pkt.; per 1/4 oz., \$2.00.



Verbena, Rose Queen

**GRANDIFLORA MAMMOTH VERBENAS  
"ROSE QUEEN"**

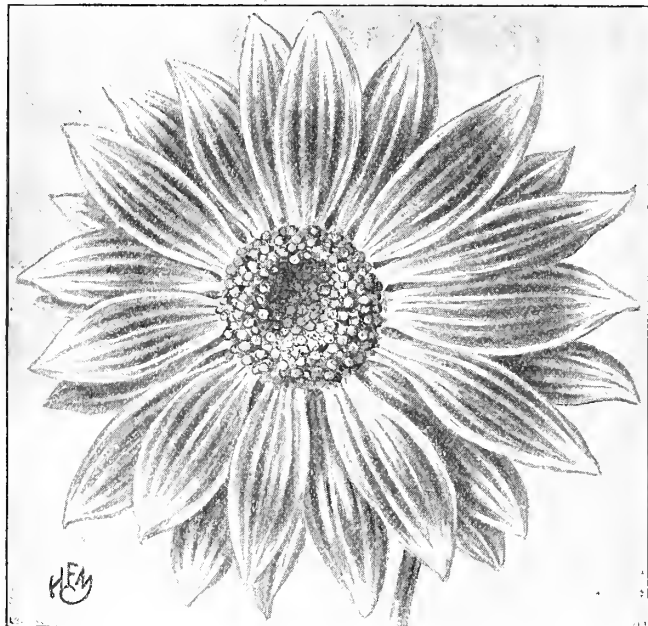
A new variety, originating from the well-known variety, "Helen Willmott," as a result of many years' selection. The flowers are of a lovely delicate rose, a tint somewhat paler than that of its parent. The individual blooms are very large, often exceeding one inch, and sometimes attaining one and one-half inches in diameter, and as twenty to thirty of them are often grouped on a single umhel, some idea may be formed of the magnificent effect which a bed of this novelty will produce. Per pkt., 40c.; 75c. per 2 pkts.

**"SCARLET QUEEN"**

This new variety is of the Mammoth Auricula-eyed class, procured by careful selection. It produces flowers of the most vivid scarlet, similar to the "Defiance" variety, but with a large and distinct white eye, which occupies almost half the surface of the corolla. The blooms often exceed an inch in diameter, and succeed each other for a long period. Per pkt., 40c.; 75c. per 2 pkts.

**"SNOW QUEEN"**

A new variety, with large, pure snowy white flowers; the umbels are produced in great profusion, excellent for heds and borders, particularly in conjunction with other bright hued sorts. Per pkt., 40c.; 75c. per 2 pkts.



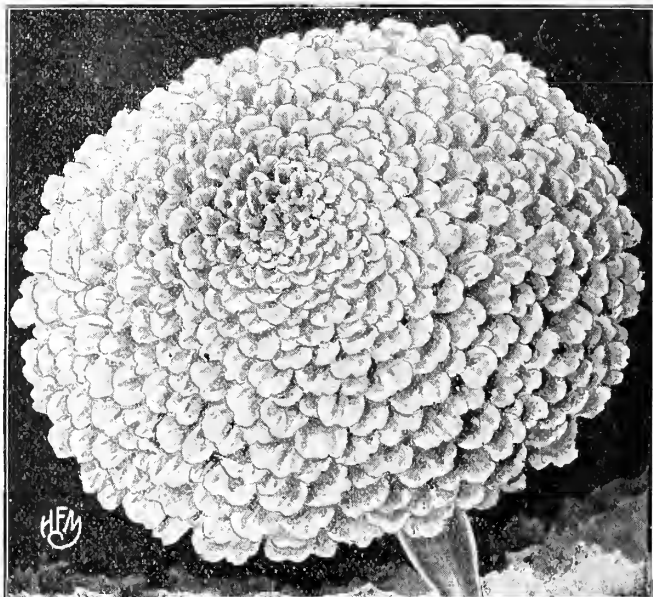
Sunflower, Dazzler

**NEW SUNFLOWER (Helianthus)  
"DAZZLER"**

A showy variety of the Cucumerifolius, or Miniature type, and is well worthy a place in the list of novelties. Plants grow three to four feet high, branch freely, and produce flowers about four inches across. Color, a rich chestnut, tipped orange, with darker centre, in general appearance somewhat resembling Gaillardia Grandiflora. Can be recommended to produce bold and striking effects in the annual border. Per pkt., 40c.; 75c. per 2 pkts.

**ZINNIA, ROBUSTA OR GIANT  
"ROSE KING"**

After careful selection there has been added to this Giant class a variety bearing flowers of a beautiful carmine rose tint. The flowers are of immense size, often attaining a diameter of six to seven inches. This new variety will be of highly ornamental effect in the garden. Per pkt., 40c.; 75c. per 2 pkts.



Zinnia, Rose King

# MICHELL'S "DISTINCTIVE" FRESH TESTED FLOWER SEEDS

Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

**Annuals.** These grow and bloom, mature their seed and then lie in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

**Biennials.** These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

**Perennials.** Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

A COMPLETE INDEX OF FLOWERS WILL BE FOUND ON PAGES TWO AND THREE OF CATALOG. FOR NOVELTIES, SEE PAGES 54 TO 58.

## ABUTILON (Flowering Maple)

**Choice Mixed.** Used extensively for ornamental bedding; also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height, 3 feet. . . . \$0.50 \$0.10

## ACHILLEA (Milfoil or Yarrow)

**Parnica, Fl. Pl., "The Pearl."** Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; easily grown from seed; flowering the first season if seed is sown early; excellent cut flower for vases; 2 feet. . . . .65 .10

## ACONITUM (Monk's Hood or Helmet Flower)

Handsome hardy perennial, thriving best in semi-shady situations; effective in hardy borders, shrubberies, etc.; curious hood-shaped flowers in clusters; height, 4 feet; August-September.

**Napellus, Blue** . . . . . Large Pkt. Pkt. \$0.30 \$0.05

## ACROCLINIUM (Everlasting Flower)

Showy, free-flowering annual plants; the flowers should be picked before they expand, and hung with the tops downward to dry, for winter bouquets; 1 foot.

**Double Rose Pink** . . . . . Large Pkt. Pkt. \$0.25 \$0.05  
**Double White** . . . . . .25 .05  
**Double Mixed** . . . . . .20 .05

## AGROSTEMMA

**Coronaria (Mullein Pink).** Silvery foliage and bright crimson flowers; free flowering hardy perennial of easy culture; blooms the first season; fine for cutting; 2½ to 3 feet; June to August. . . . .20 .05

See pages 54 to 58 for Valuable Novelties and Specialties in Flower Seeds.



Ageratum, Blue Perfection

## AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

**Blue Perfection.** Large heads of deep blue flowers produced in abundance; 15 inches . . . . . \$0.20 \$0.10  
**Cope's Pet.** Azure blue; 6 inches . . . . . .20 .10  
**Imperial Dwarf Blue.** Clear blue; compact growing plant; height, 9 inches . . . . . .20 .05  
**Imperial Dwarf White** . . . . . .20 .05  
**Imperial Dwarf Mixed** . . . . . .20 .05  
**Little Blue Star.** Plants densely covered with bright blue flowers; height, 5 inches . . . . . .50 .15



Sweet Alyssum

## ALYSSUM

One of the most popular garden flowers, remaining in bloom the entire season; it is of the easiest culture, and is suitable alike for beds and edging in summer, or for growing in pots and boxes for winter blooming.

	Large pkt.	Pkt
<b>Lilac Queen.</b> A distinct variety of dwarf compact growth, with flowers of a pure lilac color, 4 inches.	\$0.40	\$0.10
<b>Little Dorritt.</b> Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges	.....oz., 90c.	.20 .05
<b>Little Gem.</b> Dwarf compact plants, densely covered with large white flowers; commences to bloom when quite small; height, 4 inches.	.....oz., 75c.	.20 .05
<b>Sweet (Maritimum).</b> The popular old-fashioned sort; the best for broad edges and vases. Pure white; height, 6 inches	.....oz., 40c.	.20 .05
<b>Saxatile Compactum (Basket of Gold).</b> An ideal hardy perennial plant, flowering in May; showy golden-yellow flowers; blooms the first season if sown early indoors; excellent for rockwork. Height, 1 foot	.....oz., \$1.25	.25 .05

## AMARANTHUS

Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May. Useful in borders of tall plants or for the centre of large beds.

	Large pkt.	Pkt
<b>Caudatus (Love Lies Bleeding).</b> Long drooping crimson racemes; height, 3 feet	.....\$0.20	\$0.05
<b>Tricolor Splendens (Joseph's Coat).</b> Foliage green, variegated crimson and yellow; height, 2 feet.	.....	.20 .05
<b>Mixed.</b> All sorts	.....	.20 .05

## AMPELOPSIS (Boston or Japanese Ivy)

**Veitchi.** A hardy perennial climber with olive-green leaves, which turn to scarlet in the autumn. The best hardy vine for covering brick or stone buildings or walls

.....oz. 50c. .20 .10

## ANCHUSA (Sea Bugloss)

**Italica "Dropmore."** A very popular strong growing hardy perennial plant, 4 feet high, with an abundance of beautiful flowers of a lovely gentian blue, borne on graceful stems, during the entire season; 3 to 4 ft

.30 .15

## ANEMONE (Wind Flower)

**Coronaria.** Mixed colors. A pretty hardy perennial, producing large flowers; excellent for bouquets; 1 foot

.....20 .05

**St. Brigid, or Poppy.** Flower large, semi-double and double; in many colors; 1 foot

.....40 .15

## ANTHEMIS (Hardy Marguerite)

**Tinctoria Kelwayi.** A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; excellent for cutting; 2 feet

.....30 .10

## ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors during February or March, but even if sown outdoors early in May it will flower profusely in July.

### MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length, with giant flowers; especially valuable for cutting.

Large pkt. Pkt.

<b>Michell's Giant Salmon Pink.</b> An extra fine strain of this popular flower; long spikes of a delicate salmon-pink color	.....\$0.50	\$0.15
<b>Silver Pink.</b> A fine variety; long spikes and a profuse bloomer. Original pkt., \$1.00.	.....	
<b>Giant Garnet</b>	.....	.25 .10
<b>Giant Pink</b>	.....	.25 .10
<b>Giant Scarlet</b>	.....	.25 .10
<b>Giant Striped</b>	.....	.25 .10
<b>Giant Venus.</b> Shell pink on white ground	.....	.40 .15
<b>Giant White</b>	.....	.25 .10
<b>Giant Yellow</b>	.....	.25 .10
<b>Giant Mixed</b>	.....oz. 90c.	.25 .10

Collection, one packet each six colors, 50c.

**Tall Mixed.** Regular strain. Pkt., 5c.; 20c. per large pkt.; oz., 75c.

### SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 in. high, but have large flowers over most part of the stem; excellent for bedding.

**Bride.** Pure white. Pkt., 10c.; 30c. large pkt.

**Captivation.** Rich chamois, shaded pink. Pkt., 25c.; 65c. per 3 pkts.

**Daphne.** Carmine pink, white throat. Pkt., 10c.; 25c. large pkt.

**Defiance.** Fiery scarlet. Pkt., 10c.; 25c. large pkt.

**Firebrand.** Rich, deep red. Pkt. 10c.; 25c. per large pkt.

**Golden Queen.** Golden yellow; giant flowers. Pkt., 10c.; 25c. large pkt.

**Mont Blanc.** Pure white. Pkt. 10c.; 25c. per large pkt.

**Nelrose.** Pink. Pkt., 25c.; 50c. large pkt.

**Pink Gem.** Rose pink. Pkt., 25c.; 65c. per 3 pkts.

**Rose Queen.** Rich rose. Pkt. 10c. 25c. per large pkt.

**Mixed.** All colors. Pkt., 10c.; 25c. large pkt.; per oz., \$1.

Collection, one packet each six colors, our selection, 50c.

### DWARF ANTIRRHINUMS

The Dwarf or Tom Thumb varieties are excellent for bedding; also for edges. Height, 12 inches.

**Tom Thumb Mixed.** All colors. Pkt., 10c.; 25c. large pkt.

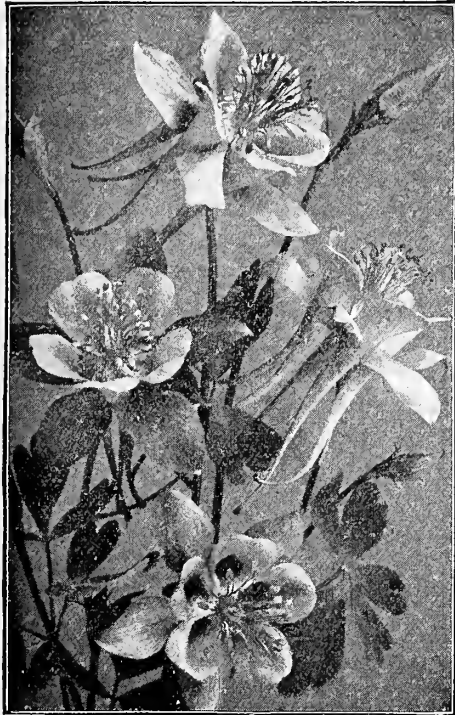


MICHELL

Antirrhinum (Snapdragon)

Ask for Cultural Leaflet No. 201 on the growing of Antirrhinums.





**Aquilegia (Columbine) Long Spurred**

### AQUILEGIAS OR COLUMBINES

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the foliage. Seed sown early in the spring will in most cases produce plants that will bloom the same season.

Large pkt. Pkt.		
Californica Hybrida. Mixed colors, principally yellow and orange shades; long spurs	.....\$0.40	\$0.10
Chrysantha (Golden Spurred). Bright golden yellow.	.50	.10
Coerulea (Rocky Mountain Columbine). Large flowers, violet blue and white	.....	.40 .10
Flabellata Nana Alba. A dwarf variety, with large white flowers	.....	.20 .10
Haylodgensis Delicatissima. Satiny rose	.....	.50 .20
Long Spurred Hybrids. Flowers of many rich and varied colors, with long spurs	.....	.40 .10
Rose Queen. Light to dark pink with white centre and yellow anthers	.....	.50 .15
Double Mixed. All colors	.....oz., 90c.	.20 .05
Single Mixed. All colors	.....oz., 75c.	.20 .05

### ARABIS (Rock Cross)

**Alpina.** Early spring flowering plants especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; perennial; April-May; 6 inches ..... .20 .05

### ARCTOTIS (African Daisy)

**Grandis.** Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet ..... .20 .10

### MICHELL'S CULTURAL LEAFLETS

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or, in fact, for any who may want them, giving instructions how to grow the same successfully from seed. These leaflets are free.

- |                   |                  |                  |
|-------------------|------------------|------------------|
| 201. Antirrhinum. | 208. Zinnia.     | 215. Cyclamen.   |
| 202. Aster        | 209. Pansy.      | 216. Larkspur    |
| 203. Cineraria.   | 210. Salvia.     | (Annual).        |
| 204. Mignonette.  | 211. Stock.      | 217. Lupinus.    |
| 205. Petunia.     | 212. Perennials. | 218. Phlox Drum. |
| 206. Primula.     | 213. Carnation.  | 219. Nasturtium. |
| 207. Verbena.     | 214. Cosmos.     | 220. Begonia.    |

### ARTEMISIA

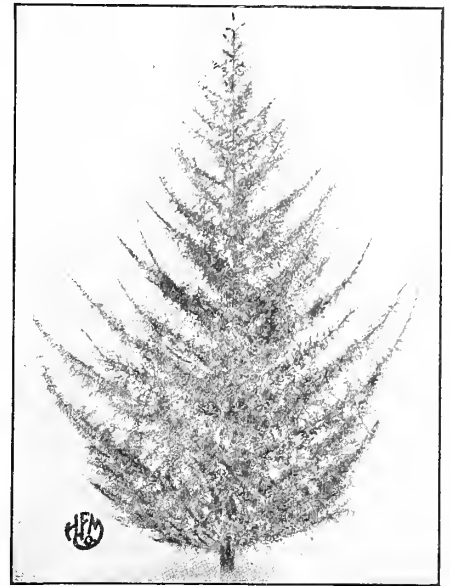
**Sacrorum Viridis (Summer Fir).** A new ornamental foliage plant from China; pyramidal bushes 3 to 5 feet high; may be grown in groups and borders; also pretty as a pot plant; foliage fine and of a rich dark green. Plants cultivated in the open ground may be successfully planted in pots without any interruption of their growth. Per pkt., 15c.; 25c. per large pkt.

**Arundo (Ornamental Grass)**  
See page 75

See Page 113 for  
**AQUILEGIA PLANTS**

**Testimonial**  
Bloomington, Ind.,  
Gentlemen: January, 1918.  
Please find enclosed order for Flower and Vegetable Seeds. We had the finest Asters last year from your seed we have ever grown.  
Yours truly,  
F. L. M.

For Asters, See  
Pages 62 to 64



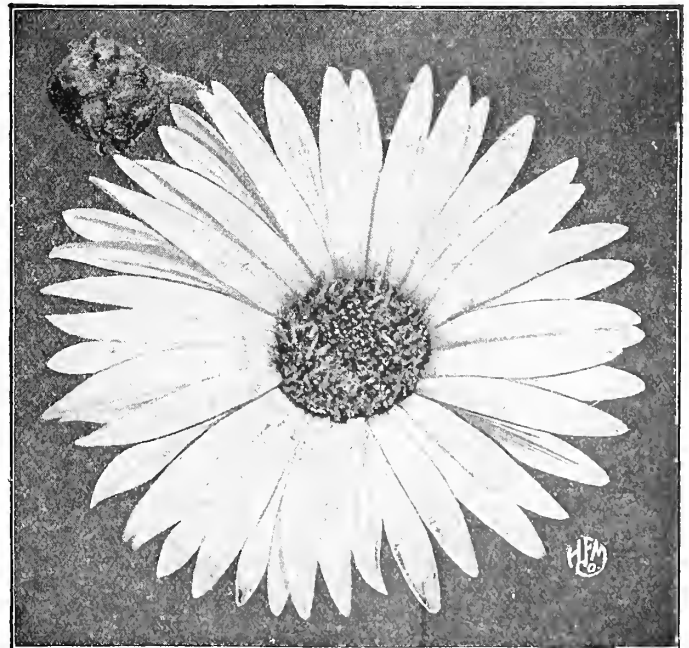
**Artemisia, Sacrorum Viridis**

### ASPARAGUS

100 Seeds. Pkt.	
<b>Hatcheri.</b> Of dense and symmetrical growth; dainty fern-like fronds set close together along the stalk; valuable for decorative use, also for specimen pot plants	.....\$1.00 \$0.25
<b>Plumosus Nanus.</b> An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut	..... 1.00 .25
<b>Sprengeri.</b> One of the best plants to grow in hanging baskets or window boxes for the greenhouse in winter or for outdoors in the summer	..... .50 10

### ASPERULA (Woodruff)

**Odorata.** Dwarf spring flowers of purest white; thrives in shady situations; perennial; 1 ft.; May. Large pkt. Pkt. \$0.30 \$0.05



**Arctotis Grandis**

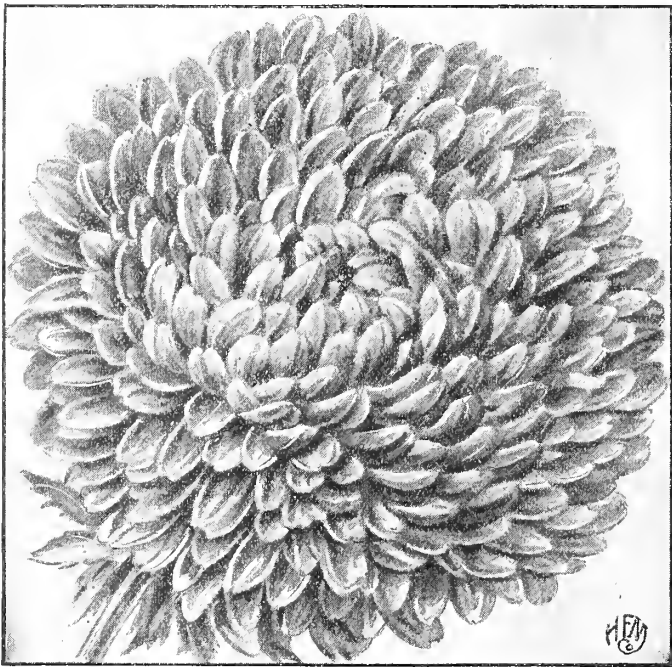
# MICHELL'S SUPERB ASTERS

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country. To have early flowers, sow the seed in the house, hotbed or cold frame, from March till May; otherwise sow outdoors after danger from frost has passed. To do well, Asters require a well-pulverized soil, always kept open by continuous cultivation.

## ASTERMUM

A valuable variety of Aster of the Comet type, coming into bloom in mid-season; plants grow straight up with strong, sturdy stems, starting near the base, and owing to the symmetry of the plant, they may be set more closely than other varieties. Each plant yields from ten to fifteen blooms, which last a long while after being cut.

			Large Pkt.	Pkt.
Lavender	..... 1/4 oz.	\$1.00	\$0.50	\$0.15
Rose Pink	..... 1/4 oz.	1.00	.50	.15
White	..... 1/4 oz.	1.00	.50	.15
Mixed	..... 1/4 oz.	1.00	.50	.15



Aster, American Beauty

## ASTER, AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last, are a most lovely shade of bright carmine rose, almost identical with the World-Famous American Beauty Rose. Each plant forms a perfect bush. Per pkt., 15c.; 65c. per large pkt.

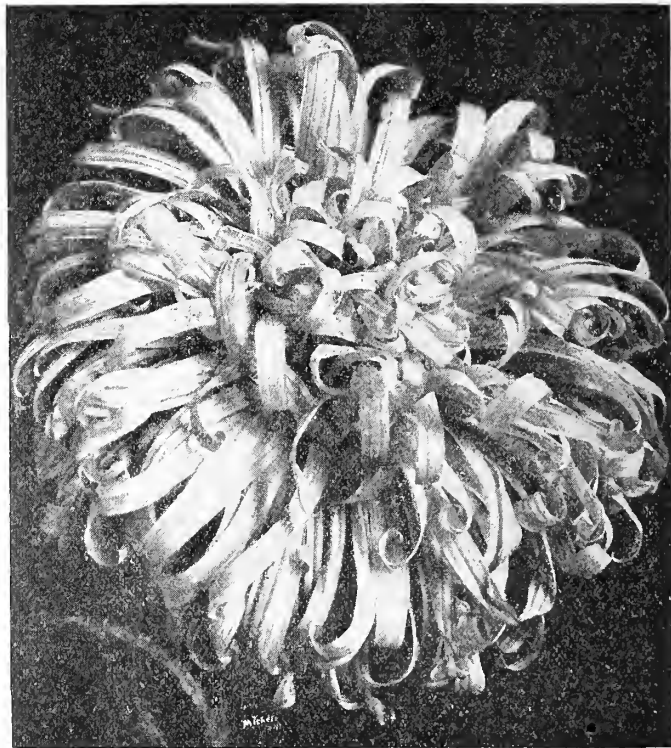
## CHINA ASTERS

Choice Mixed. A general mixture containing many classes and colors. Pkt., 5c.; 20c. per large pkt.; per oz., 75c.

## DAYBREAK ASTERS

The Daybreak class forms strong plants of upright, bushy habit and are very profuse bloomers; excellent for beds or borders; flowers perfectly double and carried on long, erect stems, seldom less than 18 inches in length.

		Large	Pkt.	Pkt.
Michell's Purity (White Daybreak). Very free flowering; plants are literally one mass of snow-white flowers	..... 3.25	.50	.10	
Pink Daybreak. Flowers large, double and of a delicate pink	..... 3.25	.50	.10	
Salmon Daybreak. A splendid addition to the Daybreak class; the color is not only novel, but of a very pleasing shade of salmon pink.	..... 3.25	.50	.15	



Crego Aster

## CREGO ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

		Large	Pkt.	Pkt.
Azure Blue	..... \$2.50	\$0.50	\$0.10	
Lavender	..... 2.50	.50	.10	
Purple	..... 2.50	.50	.10	
Rose Pink	..... 2.50	.50	.10	
Shell Pink	..... 2.50	.50	.10	
White	..... 2.50	.50	.10	
Mixed	..... 2.25	.40	.10	
Collection, one packet each of above 6 colors...			.50	

## GIANT COMET ASTER

A flower of exquisite form, similar to the Hohenzollern and resembling Japanese Chrysanthemums; petals are curled downward at the tips and resemble ostrich feathers.

		Large	Pkt.	Pkt.
Crimson	..... \$2.25	\$0.40	\$0.10	
Dark Blue	..... 2.25	.40	.10	
Light Blue	..... 2.25	.40	.10	
Peach Blossom	..... 2.25	.40	.10	
Pink and White	..... 2.25	.40	.10	
White	..... 2.25	.40	.10	
Choice Mixed	..... 2.00	.40	.10	
Collection, one pkt. each of above 6 colors.....			.50	

Toronto, Ont., Canada.

Gentlemen:

Kindly fill order for the amount enclosed. I may say that the seeds purchased from you last season were highly satisfactory, especially your Giant Comet Aster Collection.

Yours truly,

G. T. P.

## EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length.

	Oz.	Large Pkt.	Pkt.
Pink .....	\$3.00	\$0.50	\$0.10
White .....	3.00	.50	.10



Invincible Aster

## MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth, producing, on 2-foot long stems, massive, well-formed flowers, which are always perfectly double. These Asters are wonderfully prolific and continuous bloomers from summer until frost.

	Oz.	Large Pkt.	Pkt.
Blue .....	\$2.25	\$0.40	\$0.10
Crimson .....	2.25	.40	.10
Lavender .....	2.25	.40	.10
Rose Pink .....	2.25	.40	.10
White .....	2.25	.40	.10
Mixed. All colors .....	2.00	.40	.10
Collection, one packet each of above 5 colors..			.40

## KING ASTERS

A distinct type; the flowers are of large size and good substance, and with long narrow petals, which are more or less quilled, forming a very attractive flower.

	Oz.	Large Pkt.	Pkt.
Pink King. Delicate shell pink.....	\$3.00	\$0.50	\$0.15
Rose King. Beautiful, bright rose.....	3.00	.50	.15
Violet King. A soft shade of violet.....	3.00	.50	.10
White King. Large, pure white.....	3.25	.50	.15
Collection, one packet each of above 4 colors..			.50

## LADY ROOSEVELT ASTER

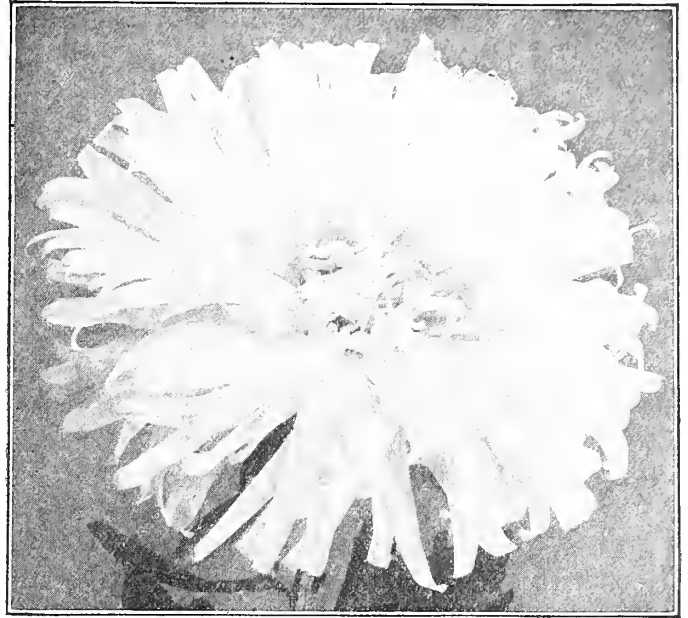
The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems, crowned with gigantic flowers. The seed we offer is selected from original specimens and then reselected, and we feel sure will give absolute satisfaction. Per pkt., 15c.; 65c. per large pkt.; 1/4 oz., \$1.50.

## LAVENDER GEM ASTER

A beautiful variety of the Comet type, with large, perfectly double flowers of a delicate shade of lavender; begins blooming in July, continuing through August; 2 feet. Per pkt., 15c.; 50c. per large pkt.; per oz., \$3.25.

## PEERLESS WHITE ASTER

An excellent new variety of the late branching type; comes into bloom a little earlier; flowers are borne on long stems, perfectly double, and pure white in color. Per pkt., 15c.; 65c. per large pkt.; per oz., \$3.25.



Pink Superb Aster

## MICHELL'S PINK SUPERB ASTER

This valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad; those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shade of pink. One of the admirable features of this new variety is the exceedingly long stems, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; per 1/4 oz., \$1.50.

## PEERLESS PINK ASTER

This is one of the finest of the late branching types, but comes into bloom a little earlier. The plants are of robust habit, and produce on long stems large and perfectly double flowers of a beautiful shell pink, very similar in shade to the Mary Semple variety. Per pkt., 15c.; 65c. per large pkt.; per oz., \$3.25.



King Aster

Ask for Cultural Leaflet No. 202 on the Growing of Asters.



Michell's Grandiflora Calceolaria

**CALCEOLARIA**

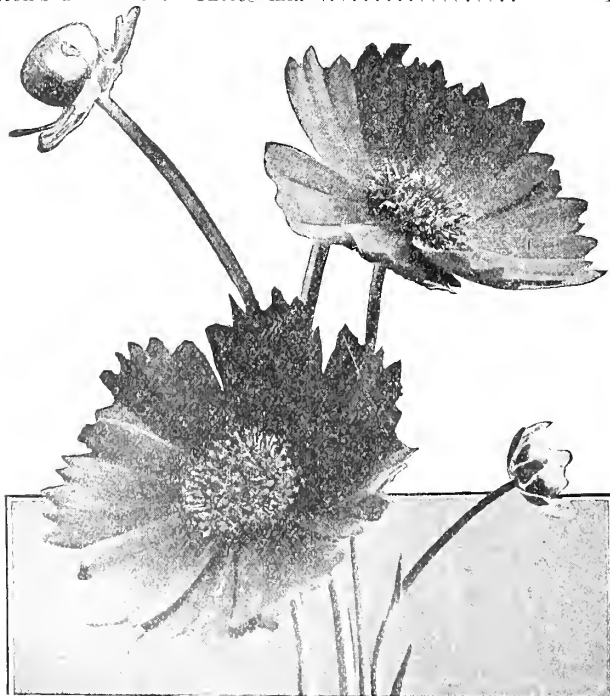
Excellent plants for decorating the green house or conservatory; produce a mass of pocket-like flowers through the spring and summer.

Our strains of Calceolaria have a wide reputation as to large size, rich and varied colors of the flowers.

**Hybrida Grandiflora. Tall Mixed.** Large flowering rich self-colored flowers saved from a choice collection; 18 inches ..... \$0.75 \$0.25

**Hybrida Grandiflora Pumila Compacta.** Of dwarf, compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot ..... .75 .25

**Sutton's Perfection.** Choice mixed ..... 1.25



Calliopsis, Golden Wave



Calendula—Orange King

**CALENDULA (Pot Marigold)**

Free flowering and showy annuals of easy culture, growing in any good garden soil, and producing a fine effect in beds or mixed borders; continues in bloom from early summer until killed by frost. Valuable for pot culture, blooming freely in winter and early spring; 1 foot.

	Oz.	Large Pkt.	Pkt.
<b>Lemon King.</b> Lemon-yellow .....	\$0.35	\$0.20	\$0.05
<b>Meteor.</b> Yellow striped orange .....	.35	.20	.05
<b>Orange King.</b> Rich dark orange .....	.35	.20	.05
<b>Prince of Orange.</b> Dark orange striped .....	.35	.20	.05
<b>Pure Gold.</b> Pure golden yellow .....	.35	.20	.05
<b>Mixed</b> .....	.35	.20	.05

**CALIFORNIA POPPY.** See Eschscholtzia

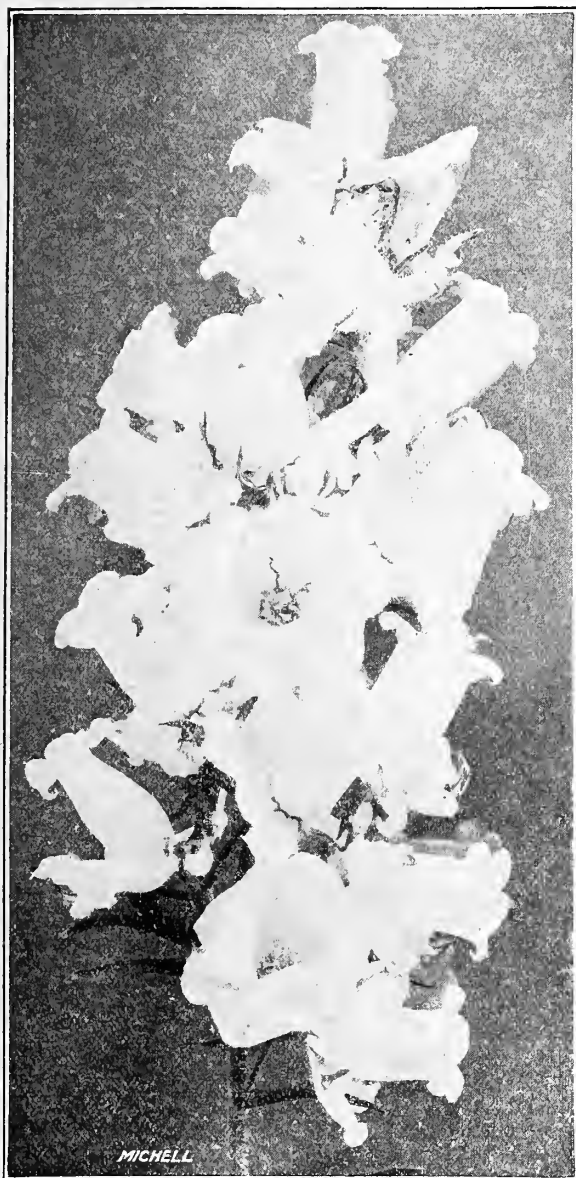
**CALLIOPSIS (Coreopsis)**

One of the showiest and most easily grown annuals; perfect little bushes, which are a mass of bloom from early summer until cut down by frost; excellent for cutting.

	Oz.	Large Pkt.	Pkt.
<b>Golden Wave (Drummondii).</b> Large yellow flowers with dark brown centres; 1 foot....	\$0.40	\$0.20	\$0.05
<b>Nigra Speciosa.</b> Rich crimson; 2 feet .....	.40	.20	.05
<b>Choice Mixed.</b> All varieties and colors .....	.35	.20	.05

**PERENNIAL VARIETIES**

<b>California Sunbeams.</b> Very large flowers beautifully formed; yellow and brown .....	.75	.20	.10
<b>Lanceolata Grandiflora.</b> Single golden yellow flowers of graceful form; invaluable for cutting; blooms the entire summer .....	.60	.20	.10



Campanula. Calycanthea

## CAMPANULAS OR BELLFLOWERS

### PERENNIAL VARIETIES

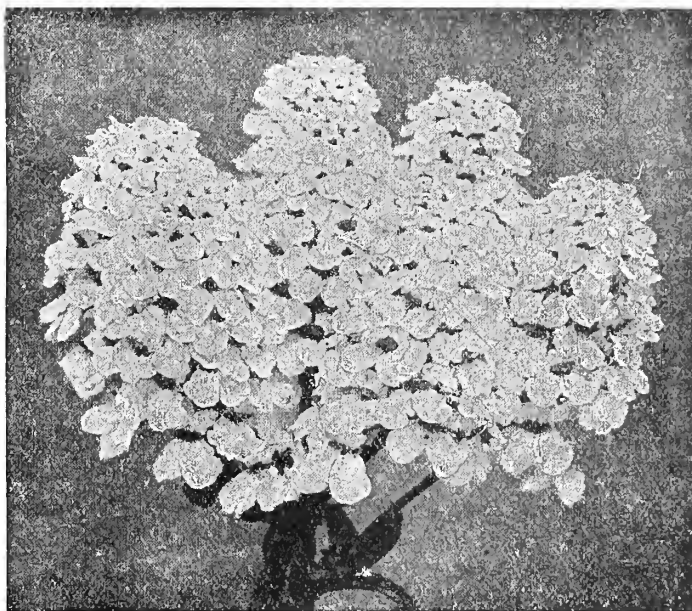
These are among our best known hardy perennials, and deserve a place in every perennial flower garden. The tall varieties are fine for cutting, while the dwarf sorts make excellent border plants; all have daintly bell-shaped flowers.

	Large Pkt.	Pkt.
<b>Carpatia, Blue</b> (Carpathian Hare Bell). Compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July .....	\$0.25	\$0.05
<b>Carpatia, Alba.</b> Pure white .....	.25	.05
<b>Persicifolia Grandiflora, Blue</b> (Peach Bells). Stately spikes, 4 feet tall, with immense blue bell-shaped flowers.....	.40	.15
<b>Persicifolia Grandiflora, Alba.</b> Pure white .....	.40	.15
<b>Pyramidalis</b> (Chimney Bellflower). Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed .....	.30	.05

## CANARY BIRD VINE

(Tropaeolum Canariense)

One of the most charming annual climbers, bearing hundreds of pretty, fringed, bright yellow flowers, which resemble a canary bird with expanded wings.....oz. 35c. .20 .05



Michell's Giant White Candytuft

## CAMPANULA MEDIA (Canterbury Bell)

Showy, hardy biennial, growing about 3 feet high; of pyramidal form and covered with large bell-shaped flowers. Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw. They flower the following summer, after which they die.

	Oz.	Large Pkt.	Pkt.
Single Blue .....	\$0.75	\$0.20	\$0.05
Single Pink .....	.75	.20	.05
Single White .....	.75	.20	.05
Single Mixed .....	.60	.20	.05
Double Mixed .....	¼ oz., 50c.	.30	.05

## CAMPANULA CALYCANTHEMA

(Cup and Saucer Canterbury Bells)

These produce beautiful, large single flowers, resembling a cup and saucer; very effective when grown in pots for conservatory decoration; they require the same treatment as above.

	Large pkt.	Pkt.	White	Large pkt.	Pkt.
Blue .....	\$0.40	\$0.10	White .....	\$0.40	\$0.10
Pink .....	.40	.10	Mixed, ¼ oz., 60c. .	.30	.10

## CANDYTUFT (Iberis)

Dwarf, profuse flowering garden annuals of easy culture; useful for bedding or borders; blooms within six weeks after sowing; excellent for cutting; height, 1 foot.

	Oz.	Large Pkt.	Pkt.
<b>Carmine</b> .....	\$0.40	\$0.20	\$0.05
<b>Crimson</b> .....	.40	.20	.05
<b>Empress.</b> An excellent variety with long trusses of pure white flowers.....	.40	.20	.10
<b>Lavender</b> .....	.40	.20	.05
<b>Little Prince.</b> Very dwarf and compact, with pure white flowers; excellent for edging... ..	.40	.20	.10
<b>Michell's Giant White.</b> The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing .....	.75	.20	.10
<b>Pink</b> .....	.40	.20	.05
<b>Purple.</b> Deep rich purple.....	.40	.20	.05
<b>Choice Mixed.</b> All colors.....	.25		.05
<b>Collection.</b> One packet each, 6 varieties.....			.25
<b>Sempervirens.</b> Dwarf spring flowering perennial plants; ideal for the bulb border; flowers of glistening white; May; 1 foot.....		.50	.10



Cineraria—Michell's Grandiflora Prize

**CINERARIA**

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our **Grandiflora Prize Strain** cannot be surpassed; immense trusses of large flowers, often measuring 4 inches across.

	Large pkt.	Pkt.
<b>Grandiflora Prize Dwarf.</b> Mixed colors; plants of dwarf habit .....	\$0.75	\$0.35
<b>Grandiflora Prize Medium Tall.</b> Mixed colors; desirable as a decorative plant .....	.75	.35
<b>Hybrida.</b> Choice mixed colors .....	.65	.25
<b>Matador.</b> Large, bright red flowers .....	.75	.35
<b>Stellata (Sutton's).</b> Medium sized star-like flowers; mixed colors. Original pkt .....		1.00
<b>Stellata Hybrida.</b> Of graceful habit; producing a profusion of flowers; mixed colors .....	.75	.25
<b>Sutton's Superb.</b> Mixed colors. Original pkt .....		1.00

**WHITE-LEAVED CINERARIA (Dusty Miller)**

	Large pkt.	Pkt.
<b>Maritima Candidissima.</b> Silvery green, lacinated foliage, good for edging .....	.20	.05

**CLARKIA**

Annuals of easy culture; planted in large groups they are very bright and effective.

	Large pkt.	Pkt.
<b>Queen Mary.</b> Double; rose carmine .....	\$0.20	\$0.10
<b>Salmon Queen.</b> Salmon pink; double .....	.20	.10
<b>Scarlet Queen.</b> Double; orange scarlet .....	.20	.10
<b>White.</b> Double .....	.20	.10
<b>Single Mixed.</b> All colors .....	.20	.05
<b>Double Mixed.</b> All colors .....	.20	.05

**CLEMATIS**

Perennial climbers; fine for arbors, verandas, etc.

	Large pkt.	Pkt.
<b>Flammula.</b> Feathery white, fragrant flowers .....	\$0.20	\$0.05
<b>Paniculata (Japanese Virgin's Bower).</b> The beautiful autumn-flowering variety, admired for its fragrant, white, star-shaped flowers .....	.20	.10

**CLEOME (Spider Plant)**

	Large pkt.	Pkt.
<b>Pungens.</b> Pink flowers .....	\$0.20	\$0.05

**COBAEA SCANDENS (Cup and Saucer Vine)**

Well-known climber of rapid growth, producing large, bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

		Large pkt.	Pkt.
<b>Purple</b> .....	oz., 60c.	\$0.20	\$0.10
<b>White</b> .....		.25	.10

**COCKSCOMB (See Celosia)**

**COIX LACHRYMAE (Ornamental Grass)**

(See page 75)

**COLEUS**

		Large pkt.	Pkt.
<b>Large Leaved Hybrids.</b> Popular bedding plants, with beautifully colored foliage; easily grown from seed if kept in a warm temperature .....		\$0.65	\$0.25

**COLUMBINE (See Aquilegia)**

**CONVOLVULUS (Morning Glory)**

**MAJOR, OR TALL VARIETIES**

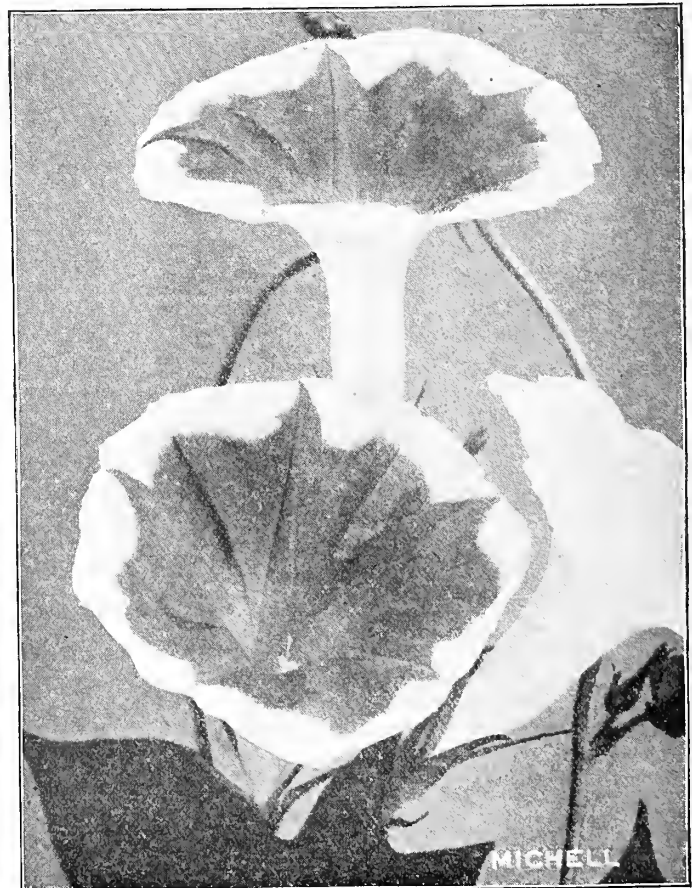
One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation.

	Oz.	Pkt.
<b>Japanese Imperial.</b> Flowers of immense size and of a great variety of colors .....	\$0.25	\$0.05
<b>Japanese Imperial Fringed.</b> Large fringed flowers of many beautiful colors and shades .....	.40	.10
<b>Snow Fairy.</b> A new and beautiful variety producing an abundance of large double, snow-white, tassel-like flowers .....	.75	.10
<b>Mixed.</b> The ordinary variety .....	.20	.05
<b>Double Flowering.</b> Mixed colors .....	.50	.10

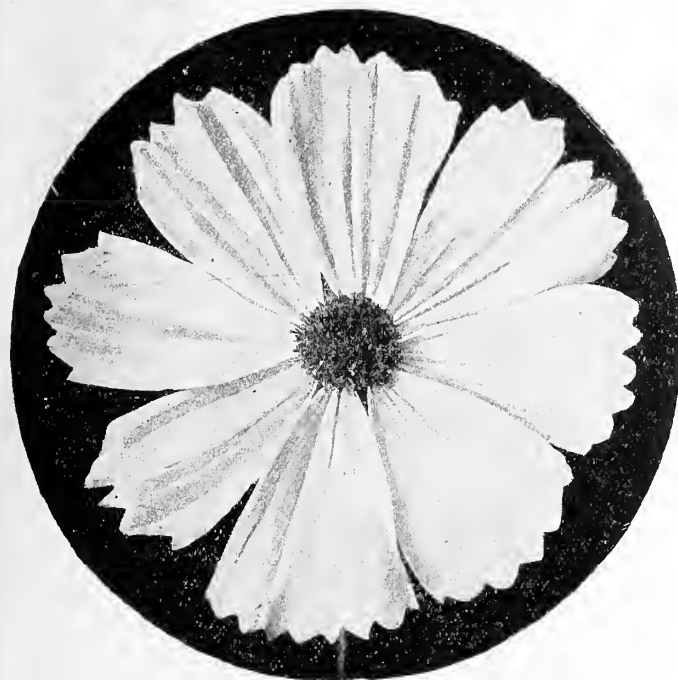
**MINOR, OR DWARF VARIETIES**

A very showy hardy annual for flower beds and borders; also rock work; height, 1 foot.

<b>Tricolor.</b> Blue .....	.25	.05
<b>Mixed Colors</b> .....	.20	.05



Japanese Imperial Morning Glory (Convolvulus)



Michell's Giant Fancy Cosmos

COSMOS

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting. Any garden soil will grow Cosmos to perfection.

DOUBLE FLOWERING COSMOS

	Large pkt.	Pkt.
Double Eureka Crimson. The flowers are full, round, double and very fine .....	\$0.65	\$0.25
Double Eureka Pink .....	.65	.25
" Snowball. White .....	.65	.25
" Crested Pink Beauty. A large percentage of the flowers come double, and the few singles produced are extra fine .....	.50	.15
Double Crested Red Beauty. Cherry red .....	.50	.15
Double Crested White Queen. Pure white .....	.50	.15
Double Crested. Mixed .....	.50	.15

LARGE EARLY FLOWERING COSMOS

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

	Oz.	Pkt.	Pkt.
Crimson .....	\$0.75	\$0.20	\$0.10
Pink .....	.75	.20	.10
White .....	.75	.20	.10
Mixed .....	.60	.20	.10
Dawn. White flushed with pink .....	.60	.20	.10

GIANT LATE FLOWERING COSMOS

Large flowers of perfect form; on long stems and lasting until frost; 5 to 6 feet.

	Oz.	Pkt.	Pkt.
Giant Crimson .....	\$0.50	\$0.20	\$0.10
" Pink .....	.50	.20	.10
" White .....	.50	.20	.10
" Mixed .....	.40	.20	.05
" Fancy Varieties. Mixed colors .....	1.00	.30	.10
" Crimson Ray. Large flowers with narrow and fluted crimson petals, separated in star-like form .....	.75	.20	.10
Giant Lady Lenox. Flowers are of immense size, with wide overlapping petals, making a perfectly circular flower; color a beautiful shell pink .....	.60	.20	.10
Giant White Lady. A selection from the Lady Lenox described above; flowers large, pure white .....	.60	.20	.10
Giant Rainbow. Delicate colorings .....	.90	.25	.10
Klondyke. Large golden yellow flowers .....	1.00	.25	.10

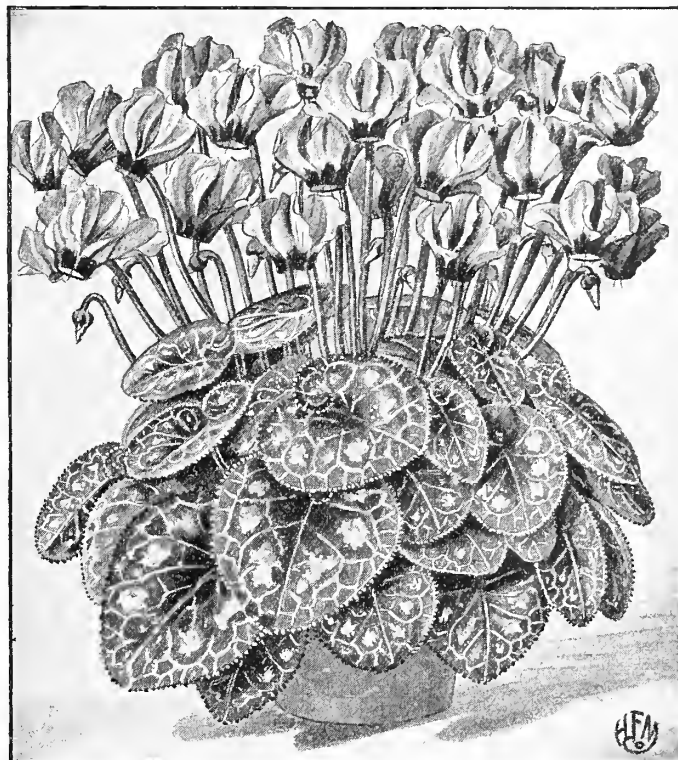
Ask for Cultural Leaflet No. 214 on the growing of Cosmos.

See page 56 for illustration of the New Double Cosmos.

COWSLIP—See Primula Veris

CUPHEA (Cigar Plant)

Platycentra. Interesting bedding plant; the flower is Large shaped like a hollow cigar; color, scarlet with a black and white tip; 1 foot .....



Michell's "Giant Show" Cyclamen

CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

MICHELL'S GIANT SHOW

Grown for us by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

	100 Seeds Pkt.	Pkt.
Bright Red .....	\$2.50	\$0.50
Dark Blood Red .....	2.50	.50
Glory of Wandsbek. Salmon red .....	2.50	.50
Perle of Zehlendorf. Salmon pink .....	2.50	.50
Pure White .....	2.50	.50
Rose of Marienthal. Bright pink .....	2.50	.50
White with Carmine Eye .....	2.50	.50
Mixed. All colors .....	2.00	.40

MICHELL'S LARGE FLOWERING

Flowers of large size, and of the choicest colors and shades.

	100 seeds Pkt.	Pkt.
Duke of Connaught. Crimson .....	\$2.00	\$0.50
Excelsior. White with red eye .....	2.00	.50
Grandiflora Alba. White .....	2.00	.50
Princess of Wales. Pink .....	2.00	.50
Salmon Queen. Salmon pink .....	2.00	.50
St. George. Flowers a beautiful salmon color; leaves margined with silver .....	2.00	.50
Mixed. All colors .....	1.75	.40

VARIOUS CYCLAMEN

Mrs. Buckston. Frilled and waved flowers; color delicate salmon. Original pkt. ....	.75
Papilio (Butterfly). The edges of the flowers are beautifully fringed, or waved; mixed colors .....	1.75 40
Sutton's Giant. Choicest mixed .....	Original pkt. 1.00

Ask for Cultural Leaflet No. 215 on the growing of Cyclamen.

CYPERUS (Umbrella Plant)

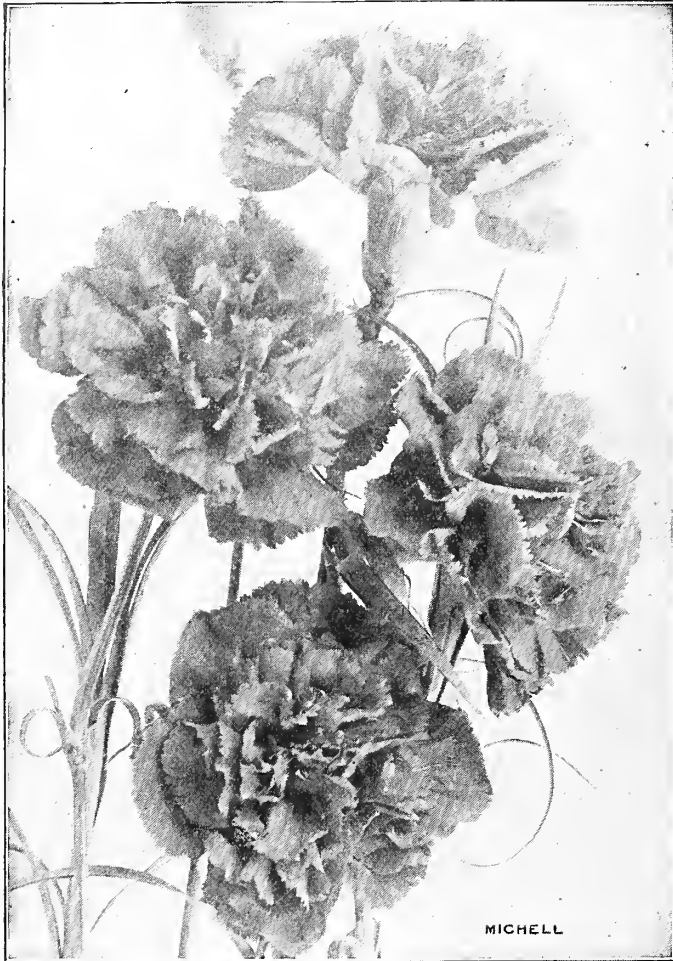
Alternifolius. An elegant plant for growing in water or damp places; useful as a pot plant .....

**CANNA (Indian Shot)**

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape or file the edge of seed and soak in warm water until they show signs of swelling, then sow in sandy loam and place in a hot bed.

Crozy's Dwarf Mixed. From the finest sorts.....Oz. Pkt.  
\$0.30 \$0.05

**CANTERBURY BELL. See Campanula**



Carnation, Marguerite

**CARNATION**

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

Chabaud's Everblooming, Mixed. Blooms in five months after being sown, and continues to flower in the greatest profusion indefinitely.....Large Pkt. Pkt.  
\$0.50 \$0.15  
Early Vienna. Large double flowers in mixture.... .40 .10  
Choice Mixed. Double horder varieties..... .50 .10

**MARGUERITE CARNATIONS**

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected they will survive an ordinary winter and bloom the following spring.

Excelsior Mixed. Extra large flowers.....Large pkt. Pkt.  
\$0.40 \$0.15  
Pink ..... .40 .10  
Scarlet ..... .40 .10  
White ..... .40 .10  
Yellow ..... .40 .10  
Choice Mixed .....oz., \$1.50 .25 .10

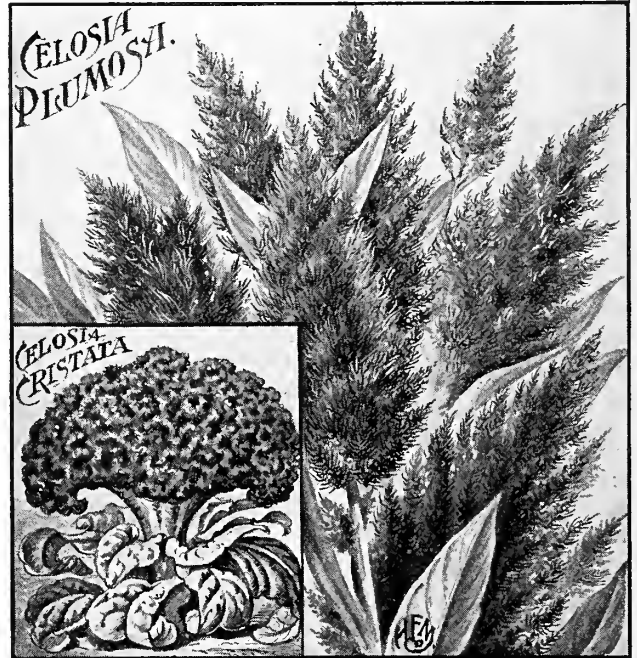
Ask for Cultural Leaflet No. 213 on the growing of Carnations from seed.

**CARDINAL CLIMBER**

(Ipomoea Quamoclit Hybrid)

A distinct and beautiful new annual climber; a very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Succeeds best in a warm, sunny location and good soil. Leaves dark green and deeply lacinated; bears a great profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. In order to have good germination of the seed of Cardinal Climber, a small notch should be filed or cut in each seed. Per pkt., 15c; 65c. per large pkt.

**CASTOR BEAN (See Ricinus)**



**CELOSIA CRISTATA (Crested Cockscomb)**

Very desirable annuals of easy culture, producing large, brilliant, comb-like heads; make excellent border plants, and are also attractive for pots; 1 to 1½ feet.

Giant Empress. Giant heads of rich crimson.....Large pkt. Pkt.  
\$0.30 \$0.10  
Glasgow Prize. Showy dark crimson..... .30 .10  
Choice Mixed. Dwarf varieties.....oz., \$1.00 .25 .05

**CELOSIA PLUMOSA (Feathered Cockscomb)**

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting. Can also be cut and dried for winter bouquets.

Childsi (Chinese Woolflower). Plants grow 2½ feet high, and produce a large number of ball-shaped scarlet flowers, resembling silky wool. For illustration see page 56.....Large pkt. Pkt.  
\$0.50 \$0.15  
Golden Plume. Bright golden yellow plumes..... .20 .10  
Pride of Castle Gould. Plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads that closely resemble ostrich plumes. Colors are blood-red, carmine, yellow, orange, golden, orange-scarlet, etc. in mixture..... .40 .15  
Scarlet ..... .20 .10  
Spicata. Of pyramidal growth; flowers pink, shading to silvery white; 3 feet..... .25 .10  
Thompsoni Magnifica. An improved strain with various colors, ranging from the clearest yellow to the darkest blood red; 3 feet..... .25 .10  
Thompson's Superb (Triomphe de l'Exposition). A strain with bronze colored foliage and graceful feathery plumes of brilliant crimson; 3 feet..... .20 .10  
Choicest Mixed. All colors .....oz. 50c. .20 .05





*Centaurea Cyanus* (Corn Flower)

## CENTAUREAS

### CENTAUREA CYANUS (Cornflower or Bachelor's Button)

Also known as Blue Bottle, Ragged Sailor, Bluet, etc.; an old favorite garden annual, flowering freely in almost any situation; excellent for cutting; 2 feet.

	Oz.	Large pkt.	Pkt.
Double Blue. Large flowering .....	\$1.00	\$0.20	\$0.10
Emperor William. Deep blue .....	.40	.20	.05
Pink .....	.40	.20	.05
White .....	.40	.20	.05
Choice Mixed .....	.35	.20	.05
Double Mixed .....	.50	.20	.05

### CENTAUREA IMPERIALIS (Giant Cornflower, or Sweet Sultan)

The finest of all Sweet Sultans for cut flower purposes; gigantic, beautiful, sweet-scented flowers borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height, 2 to 3 feet.

	Oz.	Large pkt.	Pkt.
Deep Rose .....	\$1.00	\$0.25	\$0.10
Lavender .....	1.00	.25	.10
Lilac .....	1.00	.25	.10
Brilliant Pink .....	1.00	.25	.10
Purple .....	1.00	.25	.10
White .....	1.00	.25	.10
Choice Mixed .....	.75	.20	.10
Collection. One packet each above 6 colors..			.50

## CENTAUREAS—Continued

### NEW GIANT FLOWERED CENTAUREA

Magnificent flowers produced on long, stout stems; excellent for cutting.

	Large pkt.	Pkt.
Bride. Pure white .....	\$0.40	\$0.10
Bridegroom. Purplish mauve .....	.40	.10
Honeymoon. Golden yellow .....	.40	.10

### WHITE LEAVED CENTAUREA (Dusty Miller)

Grown for their silvery foliage as edging plants, also for vases, hanging baskets, etc.

	500 Seeds.	Pkt.
Candidissima. Broad cut leaves of silvery gray.....	\$0.30	\$0.10
Gymnocarpa. Fine cut silvery gray foliage.....	.20	.10

### VARIOUS CENTAUREAS

	Large pkt.	Pkt.
Suaevolens (Yellow Sweet Sultan). Showy, bright yellow, fragrant blossoms .....	\$0.20	\$0.05
Montana. Blue; perennial; 18 inches .....	.30	.10

### CERASTIUM (Snow in Summer)

Tomentosum. Dwarf, white-leaved edging plant; flowers white; 4 inches .....	.40	.15
---	-----	-----

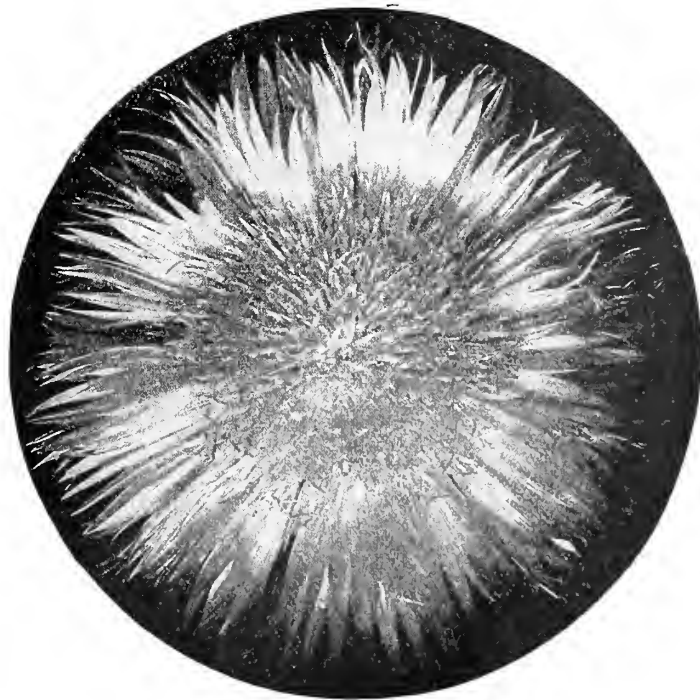
### CHRYSANTHEMUM—Annual Varieties

Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant.

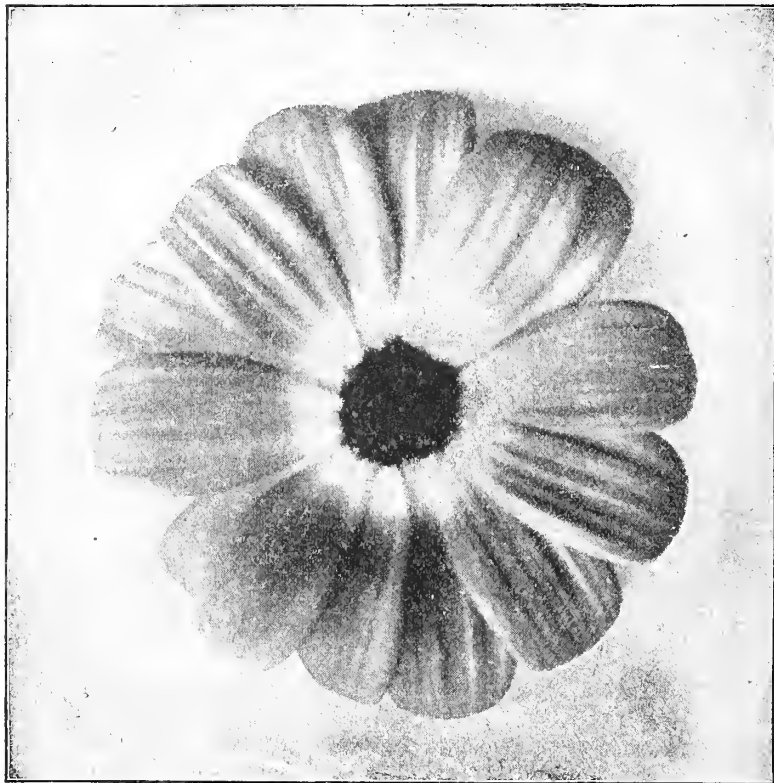
	Large pkt.	Pkt.
Helios (Evening Star). Extra large pure golden yellow flowers often measuring 4 inches across; height, 2 feet .....	\$0.20	\$0.10
Double Mixed .....	oz., 40c. .20	.05
Single Mixed .....	oz., 40c. .20	.05

### CHRYSANTHEMUM—Perennial Varieties

Japanese Hybrids. Large flowers of the finest types; an extra choice mixture; seed sown in spring will produce flowering plants by fall; 2 feet.....	.65	.15
King Edward VII. Flowers extra large; pure white .....	.25	.10
Shasta Daisy, "Alaska." The finest of all; single white flowers on long stems; 2 feet.....	.50	.20



*Centaurea Imperialis* (Natural Size)



Cineraria—Michell's Grandiflora Prize

**CINERARIA**

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our **Grandiflora Prize Strain** cannot be surpassed; immense trusses of large flowers, often measuring 4 inches across.

	Large pkt.	Pkt.
<b>Grandiflora Prize Dwarf.</b> Mixed colors; plants of dwarf habit	\$0.75	\$0.35
<b>Grandiflora Prize Medium Tall.</b> Mixed colors; desirable as a decorative plant	.75	.35
<b>Hybrida.</b> Choice mixed colors	.65	.25
<b>Matador.</b> Large, bright red flowers	.75	.35
<b>Stellata (Sutton's).</b> Medium sized star-like flowers; mixed colors. Original pkt.		1.00
<b>Stellata Hybrida.</b> Of graceful habit; producing a profusion of flowers; mixed colors	.75	.25
<b>Sutton's Superb.</b> Mixed colors. Original pkt.		1.00

**WHITE-LEAVED CINERARIA (Dusty Miller)**

	Large pkt.	Pkt.
<b>Maritima Candidissima.</b> Silvery green, lacinated foliage, good for edging	.20	.05

**CLARKIA**

Annuals of easy culture; planted in large groups they are very bright and effective.

	Large pkt.	Pkt.
<b>Queen Mary.</b> Double; rose carmine	\$0.20	\$0.10
<b>Salmon Queen.</b> Salmon pink; double	.20	.10
<b>Scarlet Queen.</b> Double; orange scarlet	.20	.10
<b>White.</b> Double	.20	.10
<b>Single Mixed.</b> All colors	.20	.05
<b>Double Mixed.</b> All colors	.20	.05

**CLEMATIS**

Perennial climbers; fine for arbors, verandas, etc.

	Large pkt.	Pkt.
<b>Flammula.</b> Feathery white, fragrant flowers	\$0.20	\$0.05
<b>Paniculata (Japanese Virgin's Bower).</b> The beautiful autumn-flowering variety, admired for its fragrant, white, star-shaped flowers	.20	.10

**CLEOME (Spider Plant)**

	Large pkt.	Pkt.
An attractive annual plant with curious heads of flowers.		
<b>Pungens.</b> Pink flowers	\$0.20	\$0.05

**COBAEA SCANDENS (Cup and Saucer Vine)**

Well-known climber of rapid growth, producing large, bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

	Large pkt.	Pkt.
<b>Purple</b>	oz. 60c.	\$0.20 \$0.10
<b>White</b>		.25 .10

**COCKSCOMB (See Celosia)**

**COIX LACHRYMAE (Ornamental Grass)**  
(See page 75)

**COLEUS**

	Large pkt.	Pkt.
<b>Large Leaved Hybrids.</b> Popular bedding plants, with beautifully colored foliage; easily grown from seed if kept in a warm temperature	\$0.65	\$0.25

**COLUMBINE (See Aquilegia)**

**CONVOLVULUS (Morning Glory)**

**MAJOR, OR TALL VARIETIES**

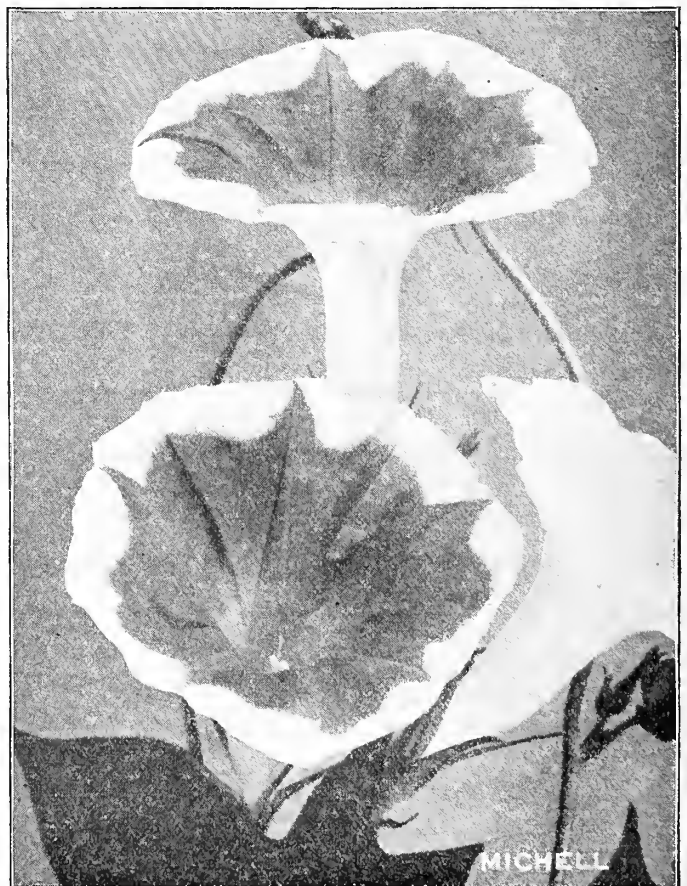
One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation.

	Oz.	Pkt.
<b>Japanese Imperial.</b> Flowers of immense size and of a great variety of colors	\$0.25	\$0.05
<b>Japanese Imperial Fringed.</b> Large fringed flowers of many beautiful colors and shades	.40	.10
<b>Snow Fairy.</b> A new and beautiful variety producing an abundance of large double, snow-white, tassel-like flowers	.75	.10
<b>Mixed.</b> The ordinary variety	.20	.05
<b>Double Flowering.</b> Mixed colors	.50	.10

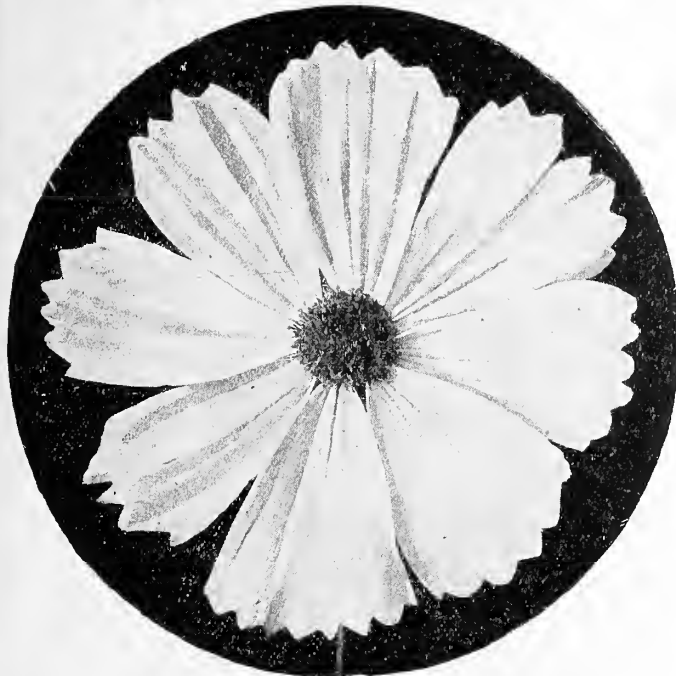
**MINOR, OR DWARF VARIETIES**

A very showy hardy annual for flower beds and borders; also rock work; height, 1 foot.

<b>Tricolor.</b> Blue	.25	.05
<b>Mixed Colors</b>	.20	.05



Japanese Imperial Morning Glory (Convolvulus)



Michell's Giant Fancy Cosmos

COSMOS

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting. Any garden soil will grow Cosmos to perfection.

DOUBLE FLOWERING COSMOS

	Large pkt.	Pkt.
Double Eureka Crimson. The flowers are full, round, double and very fine .....	\$0.65	\$0.25
Double Eureka Pink .....	.65	.25
" Snowball. White .....	.65	.25
" Crested Pink Beauty. A large percentage of the flowers come double, and the few singles produced are extra fine .....	.50	.15
Double Crested Red Beauty. Cherry red .....	.50	.15
Double Crested White Queen. Pure white.....	.50	.15
Double Crested. Mixed .....	.50	.15

LARGE EARLY FLOWERING COSMOS

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

	Oz.	Pkt.	Pkt.
Crimson .....	\$0.75	\$0.20	\$0.10
Pink .....	.75	.20	.10
White .....	.75	.20	.10
Mixed .....	.60	.20	.10
Dawn. White flushed with pink .....	.60	.20	.10

GIANT LATE FLOWERING COSMOS

Large flowers of perfect form; on long stems and lasting until frost; 5 to 6 feet.

	Oz.	Large Pkt.	Pkt.
Giant Crimson .....	\$0.50	\$0.20	\$0.10
" Pink .....	.50	.20	.10
" White .....	.50	.20	.10
" Mixed .....	.40	.20	.05
" Fancy Varieties. Mixed colors .....	1.00	.30	.10
" Crimson Ray. Large flowers with narrow and fluted crimson petals, separated in star-like form .....	.75	.20	.10
Giant Lady Lenox. Flowers are of immense size, with wide overlapping petals, making a perfectly circular flower; color a beautiful shell pink .....	.60	.20	.10
Giant White Lady. A selection from the Lady Lenox described above; flowers large, pure white .....	.60	.20	.10
Giant Rainbow. Delicate colorings .....	.90	.25	.10
Klondyke. Large golden yellow flowers .....	1.00	.25	.10

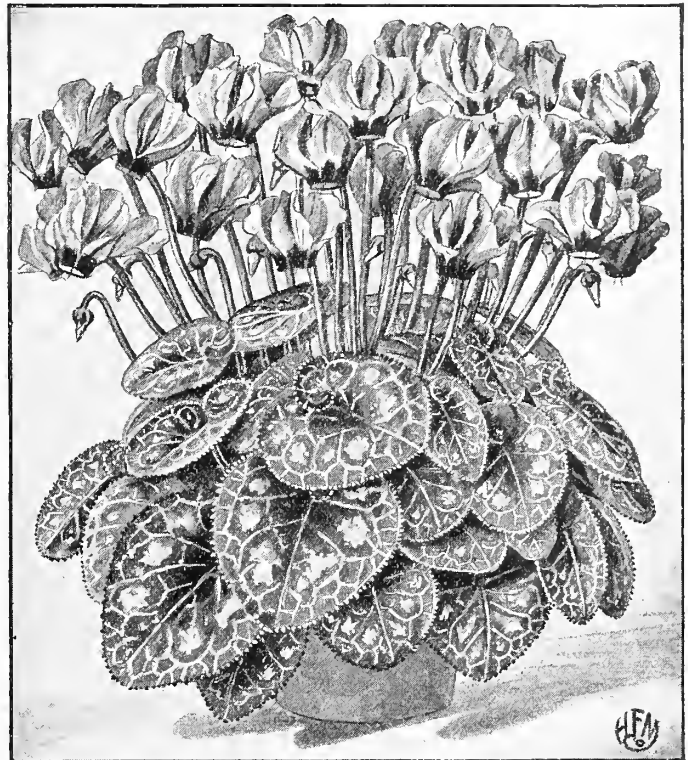
Ask for Cultural Leaflet No. 214 on the growing of Cosmos.

See page 56 for illustration of the New Double Cosmos.

COWSLIP—See Primula Veris

CUPHEA (Cigar Plant)

Platycentra. Interesting bedding plant; the flower is Large shaped like a hollow cigar; color, scarlet with a Pkt. Pkt. black and white tip; 1 foot .....\$0.50 \$0.10



Michell's "Giant Show" Cyclamen

CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

MICHELL'S GIANT SHOW

Grown for us by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

	100 Seeds	Pkt.
Bright Red .....	\$2.50	\$0.50
Dark Blood Red .....	2.50	.50
Glory of Wandsbek. Salmon red.....	2.50	.50
Pearle of Zehlendorf. Salmon pink.....	2.50	.50
Pure White .....	2.50	.50
Rose of Marienthal. Bright pink .....	2.50	.50
White with Carmine Eye .....	2.50	.50
Mixed. All colors .....	2.00	.40

MICHELL'S LARGE FLOWERING

Flowers of large size, and of the choicest colors and shades.

	100 seeds.	Pkt.
Duke of Connaught. Crimson .....	\$2.00	\$0.50
Excelsior. White with red eye .....	2.00	.50
Grandiflora Alba. White .....	2.00	.50
Princess of Wales. Pink .....	2.00	.50
Salmon Queen. Salmon pink .....	2.00	.50
St. George. Flowers a beautiful salmon color; leaves margined with silver .....	2.00	.50
Mixed. All colors .....	1.75	.40

VARIOUS CYCLAMEN

Mrs. Buckston. Frilled and waved flowers; color delicate salmon. Original pkt. ....	.75
Papilio (Butterfly). The edges of the flowers are beautifully fringed, or waved; mixed colors .....	1.75 .40
Sutton's Giant. Choicest mixed .....Original pkt.	1.00

Ask for Cultural Leaflet No. 215 on the growing of Cyclamen.

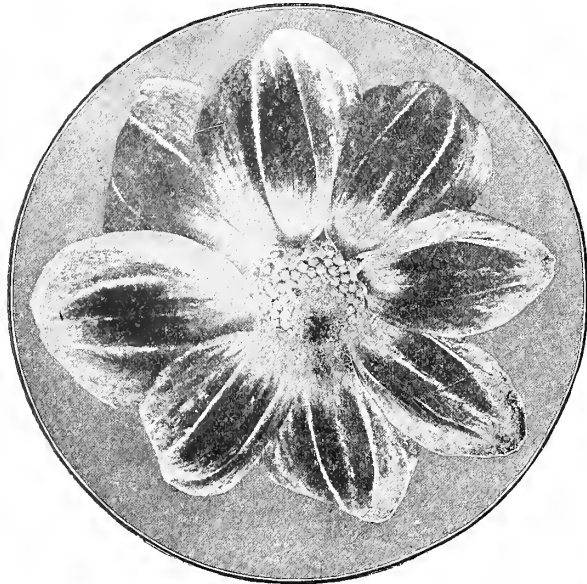
CYPERUS (Umbrella Plant)

Large Pkt. Pkt. Alternifolius. An elegant plant for growing in water or damp places; useful as a pot plant .....\$0.40 \$0.10

**CYPRESS VINE (Ipomoea Quamoclit)**

A very graceful twining annual climber, with very delicate fern-like foliage; it is of rapid growth, and a beautiful vine for trellises, verandas, etc.. Seed should be soaked for a few hours in warm water before sowing; 15 feet.

	Oz.	Large Pkt.	Pkt.
Scarlet .....	\$0.60	\$0.20	\$0.05
White .....	.60	.20	.05
Mixed .....	.40	.20	.05



Dahlia, Giant Perfection

**DAHLIAS (From Seed)**

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises. Seed should be started in the house from February till May, and the young plants should not be set outdoors until danger from frost is past.

**DOUBLE FLOWERING VARIETIES.**

	Large Pkt.	Pkt.
Cactus. Choice mixed, from the best varieties .....	\$0.50	\$0.10
Large Flowering (Show Type). Mixed; extra fine....	.40	.10

**SINGLE FLOWERING VARIETIES.**

Collarette. Flowers of various colors, with a collar of small petals around the centre; novel and beautiful	.30	.15
Giant Perfection. Immense single flowers of various colors; many beautifully striped and spotted .....	.25	.10

**DAISY, ENGLISH DOUBLE (Bellis Perennis)**

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and protected during the winter, and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

	Large Pkt.	Pkt.
Longfellow. Large double pink flowers .....	\$0.50	\$0.10
Monstrosa, Pink. These surpass all strains of this popular plant in strong, robust growth and in the abundance of extra large, perfectly double flowers..	.65	.25
Monstrosa, White .....	.65	.25
Monstrosa, Mixed .....	.65	.25
Snowball. Purest white; large and double .....	.50	.10
Double Mixed. Extra fine .....	.40	.10

**DATURA (Trumpet Flower)**

A most ornamental plant, growing quite bushy, with extra large trumpet-shaped flowers; height, 2 to 3 feet.

	Large Pkt.	Pkt.
Cornucopia (Horn of Plenty). Large double sweet-scented flowers; white marbled with purple .....	\$0.20	\$0.10
Double Mixed. Various colors .....	.20	.05



Delphinium, Belladonna

**DELPHINIUM (Hardy Perennial Larkspur)**

One of the finest hardy perennials; very easily grown from seed, blooming the first season if sown early. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded, and new shoots will produce flower heads successfully.

	Large Pkt.	Pkt.
Belladonna. One of the most continuous blooming varieties; immense spikes of clear turquoise blue; 5 feet .....	\$0.65	\$0.25
Chinese Grandiflorum. A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet .....	.oz., 90c.	.25 .05
Chinese Grandiflorum Album. Pure white flowers .....	.oz., 90c.	.25 .05
Elatum (Bee Larkspur). Rich blue; 4 feet .....	.oz., \$1.75	.30 .10
Formosum. Deep blue; 3 feet .....	.oz., \$1.50	.30 .10
Formosum Coelestinum. Sky blue .....	.50	.15
Kelway's Giant. An extra fine strain of strong, vigorous growth, with immense spikes of large flowers; many shades of blue; 5 to 7 feet .....	.50	.15
Rev. E. Lascelles. An extra fine variety; large double, deep blue flowers with white centre .....	.65	.15
Zalil. Sulphur yellow; 4 feet .....	.50	.10
Hybridum Mixed. Very choice; 4 feet .....	.oz., 75c.	.20 .05

For Annual Larkspur, see page 77.



**Dianthus—Double Annual Pinks**

### DIANTHUS (Pinks)

A most satisfactory class of flowers, easily raised from seed and which are in constant bloom the entire season; excellent for cutting.

#### DOUBLE ANNUAL SORTS Large Pkt. Pkt.

- China or Indian Pink.** All colors mixed.....oz., 60c. \$0.20 \$0.05
- Fireball.** Rich blood-red flowers .....oz., \$1.25 .25 .10
- Fringed.** Large flowers; mixed .....oz., 90c. .20 .10
- Japan Pink.** Choice mixed .....oz., 75c. .20 .10
- White.** Large fringed flowers .....oz., \$1.25 .25 .05

#### SINGLE ANNUAL SORTS

- Japan Pink.** All colors. Mixed .....oz., 75c. .20 .05
- Nobilis (Royal Pinks).** An improved strain; a varied range of bright colorings .....oz., 90c. .25 .10
- Salmon Queen.** Fringed; salmon pink .....oz., \$1.25 .25 .10
- Vesuvius.** Brilliant geranium red.....oz., \$1.25 .25 .10
- Imported Collection.** 10 varieties ..... .50

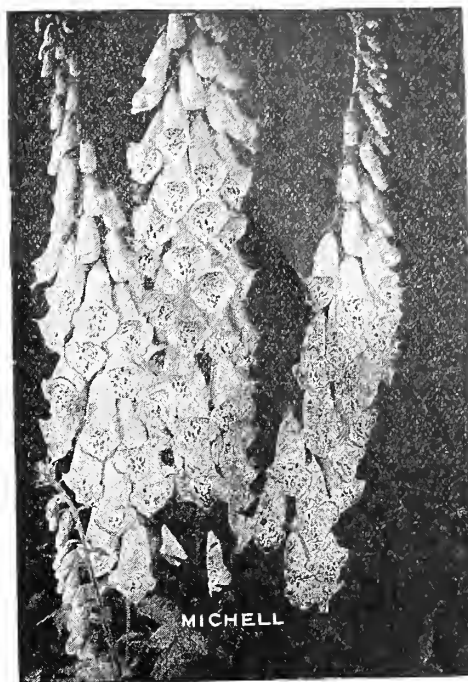
#### HARDY GARDEN PINKS

Elegant summer flowering border plants, producing a wealth of deliciously fragrant flowers. Large pkt. Pkt.

- Clove Scented.** Double and semi-double varieties, in beautiful colors; fragrant .....\$0.40 \$0.10
- Double Scotch.** Choice colors ..... .40 .15
- Erfurt.** Of dwarf, compact growth; blooms early; mixed colors ..... .50 .10
- Latifolius Atrococcineus Fl. Pl. (Everblooming Hybrid Sweet William).** Free flowering; velvety crimson scarlet; double ..... .50 .10
- Pheasant's Eye.** Single white fringed flowers with dark centre .....oz., 75c. .20 .05

#### DICTAMNUS (Gas Plant)

- Fraxinella.** Showy, bushy plants; 2½ feet high; purple red flowers; June and July ..... .20 .05

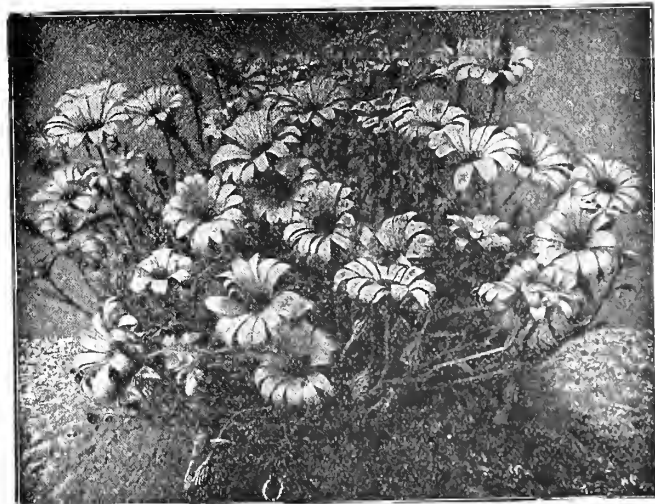


**Digitalis (Foxglove) Gloxiniaeflora**

### DIGITALIS (Foxglove)

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

	Oz.	Large Pkt.	Pkt.
<b>Gloxiniaeflora, Pink</b> .....	\$1.00	\$0.25	\$0.10
“ <b>Purple</b> .....	1.00	.25	10
“ <b>White</b> .....	1.00	.25	10
“ <b>Mixed</b> .....	.90	.20	05
<b>Grandiflora, Yellow</b> .....	.75	.20	05
<b>Monstrosa (Mammoth Foxglove).</b> The tall spikes are surmounted by one monstrous flower. All colors mixed .....	1.50	.30	10



**Dimorphotheca—Aurantiaca**

### DIMORPHOTHECA

Large Pkt. Pkt.

- Aurantiaca (African Orange Daisy).** One of the showiest garden annuals; compact, bushy plants with orange-gold daisy-like blooms on long stems; excellent for cutting .....\$0.25 \$0.10
- Aurantiaca Hybrida.** A splendid mixture of colors and shades, from white through various shades of yellow, orange, rose, etc. .... .30 .10

**DOLICHOS (Hyacinth Bean)**

Rapid growing annual climber, bearing a profusion of bean-like flowers; excellent for arbors, trellises, etc.

	Oz.	Pkt.
<b>Darkness.</b> A variety from Japan; rapid grower; flowers reddish violet	.....\$0.30	\$0.10
<b>Daylight.</b> Identical to the above except in color, which is pure white	..... .30	.10
<b>Choice Mixed</b>	..... .20	.05

**DRACENA**

Ornamental plants for vases or conservatory decoration.

	Large Pkt.	Pkt.
<b>Australis.</b> Broad green leaves	.....\$0.20	\$0.10
<b>Indivisa.</b> Narrow green leaves	.....oz., 50 .20	.10

**ECHINOCYSTIS (Wild Cucumber Vine)**

**Lobata.** One of the quickest growing vines; excellent for covering trellises, fences, etc. ....oz., 35c. .20 .05



Eschscholtzia (California Poppy)

**ESCHSCHOLTZIA (California Poppy)**

An elegant hardy annual with fine cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 foot.

	Large Pkt.	Pkt.
<b>California.</b> Pure yellow	.....oz., 40c. \$0.20	\$0.05
<b>Carminé King.</b> Beautiful carminé rose on both sides of the petals	.....oz., 60c. .20	.10
<b>Golden West.</b> Magnificent large deep golden yellow flowers	.....oz., 40c. .20	.10
<b>Mandarin.</b> Inner side of petals orange, outer petals brilliant scarlet	.....oz., 40c. .20	.05
<b>Orange.</b> Rich orange yellow	.....oz., 40c. .20	.05
<b>Rose Cardinal.</b> Carminé rose	.....oz., 40c. .20	.05
<b>White</b>	.....oz., 40c. .20	.05
<b>Vesuvius.</b> Rich Wallflower or coppery red	.....oz., 75c. .20	.10
<b>Choice Mixed</b>	.....oz., 35c. .20	.05

**EULALIA (Ornamental Grass)** See page 75

**EUPATORIUM**

A fine hardy perennial, which will grow and thrive in almost any situation; blooms the first season from seed if sown early; excellent for cutting; 2 feet. Large Pkt. Pkt. **Fraseri.** Feathery white flowers .....\$0.20 \$0.10

**EUPHORBIA**

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet. Large Pkt. Pkt.

**Heterophylla.** (Mexican Fire Plant). Glossy green leaves, turning to orange scarlet in mid-season .....\$0.25 \$0.10  
**Variiegata** (Snow on the Mountain). Foliage veined and margined with white .....oz., 60c. .20 .05

**FERNS**

**Adiantum** (Maiden Hair). Mixed .....\$0.65 \$0.15  
**Pteris Varieties.** Mixed ..... .65 .15  
**All Sorts Mixed.** Choice collection ..... .65 .15  
 We can also furnish all other good varieties of fern spores.

**FEVERFEW (Matricaria)**

**Double White.** Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inches .....oz., 60c. .20 .10

**FORGET-ME-NOT. (See Myosotis)**

**FOUR O'CLOCK. (See Marvel of Peru)**

**FOXGLOVE. (See Digitalis)**



Gaillardia, Grandiflora

**GAILLARDIA (Blanket Flower)**

**ANNUAL VARIETIES**

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

	Large Pkt.	Pkt.
<b>Picta Lorenziana.</b> Double mixed	.....oz., 60c. \$0.20	\$0.05
<b>Picta Mixed.</b> Single flowers in all colors	.....oz., 50c. .20	.05

**PERENNIAL VARIETIES.**

One of the most brilliant of hardy perennials; blooming the first year from seed if sown early; 2 feet. Large Pkt. Pkt.

<b>Grandiflora Compacta.</b> A compact variety; choice mixed colors; 12 to 15 inches	.....oz., 90c. \$0.20	\$0.10
<b>Grandiflora Sanguinea.</b> Blood red flowers	..... .25	.15
<b>Grandiflora Semi-Double.</b> Mixed	..... .25	.10
<b>Grandiflora Superba.</b> Mixed colors	.....oz., 75c. .20	.10



## GENTIANA (Blue Gentian) Large Pkt. Pkt.

**Acaulis.** A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations .....\$0.30 \$0.10

## GERANIUM 100 Seeds Pkt.

**Apple Scented.** Highly esteemed on account of its fern-like, fragrant foliage; 1 foot .....\$0.40 \$0.10

**Pelargonium (Lady Show Washington).** Seed saved from the largest flowered show varieties ..... 2.00 .25

**Zonale Mixed.** A superb strain of the largest and finest varieties; 1 to 2 feet .....\$0.30 .10

## GERBERA (Transvaal Daisy)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting. 100 Seeds Pkt.

**Jamesoni Gigantea.** Large flowers of bright scarlet...\$1.25 \$0.25

**Jamesoni Hybrida.** These hybrids include a wonderful range of brilliant colors and shades ..... 1.00 .25

## GEUM Large Pkt. Pkt.

**Atrosanguineum Fl. Pl.** A beautiful hardy perennial, bearing large, showy, double, dark crimson flowers all through the summer; fine for bouquets; 1½ ft..\$0.25 \$0.10

## GLOXINIA

**Hybrida Grandiflora.** An extra fine strain, embracing all the choicest self-colored and tigered and spotted flowers ..... .75 .25

## GODETIA (Satin Flower)

Beautiful and easily grown hardy annuals, producing a profusion of flowers of satiny texture. Large Pkt. Pkt.

**Duchess of Albany.** Pure white, of compact growth...\$0.20 \$0.10

**Gloriosa.** Large, blood-red flowers ..... .20 .10

**Rosamond.** Of dwarf habit; flowers shell-pink ..... .20 .10

**Choice Mixed.** All colors ..... .20 .05

## GOLDEN ROD (Solidago Canadensis)

A well-known hardy perennial; deep golden yellow flowers; 2 feet ..... .20 .05

## GOMPHRENA (Globe Amaranth)

Also called "Bachelor's Buttons;" a showy annual everlasting; flowers resemble clover heads and when dried are useful for winter bouquets; fine for bedding. Large

**Nana Compacta.** Dwarf red; 1 foot .....\$0.60 \$0.20 \$0.05

**Mixed.** All colors; 2 feet ..... .50 .20 .05

## GRASSES (Ornamental)

These are very interesting and useful, either for growing in clumps, mixed borders or in shrubberies. Also when dried they are fine for winter bouquets and decorations, for which purpose they should be gathered before fully matured. Large Pkt. Pkt.

## ARUNDO (Great Reed)

**Donax.** Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 feet...\$0.20 \$0.10

## AVENA (Animated Oats)

**Sterilis.** Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches ..... .20 .05

## BRIZA (Quaking Grass)

**Maxima.** Elegant panicles; excellent for bouquets and dried flowers; annual; 1 foot ..... .20 .05

## BROMUS

**Brizaeformis.** Large drooping panicles, useful for bouquets; 2 feet; annual ..... .20 .05

## COIX LACHRYMAE (Job's Tears)

A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet..oz., 20c. .05

## EULALIA

**Japonica.** A hardy perennial variety, with long graceful leaves; green and white striped; 4 to 5 feet.... .20 .05

## GYNERIUM (Pampas Grass)

**Argenteum.** White silvery plumes; perennial; blooms the second season; 8 to 10 feet ..... .20 .10

## HORDEUM JUBATUM (Squirrel Tail Grass)

Bushy panicles; excellent for bouquets; annual; 3 feet .20 .05

## PENNISSETUM

**Longistylum.** Graceful greenish-white plumes, fine for beds or dried bouquets; 2 feet; annual ..... .20 .05

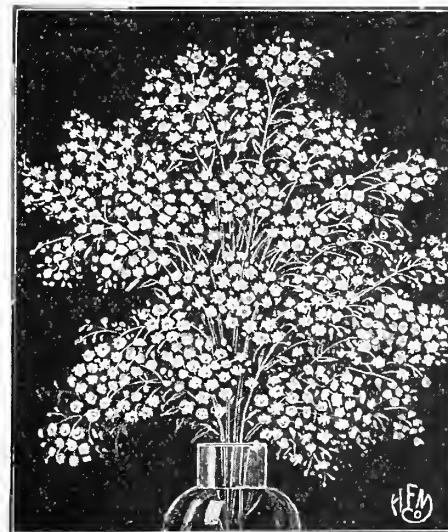
**Ruppelianum (Purple Fountain Grass).** Excellent for beds or for dried bouquets; purple plumes; 3 feet; annual ..... .20 .10

## STIPA PENNATA (Feather Grass)

Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet ..... .30 .05

One packet each of the above 11 varieties of Ornamental Grasses for 60 Cents.

## GREVILLEA (Silk Oak)



**Robusta.** A beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed. Pkt., 10c.; 25c. per large pkt.; oz., 90c.

## GYPSOPHILA (Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers; 2 feet.

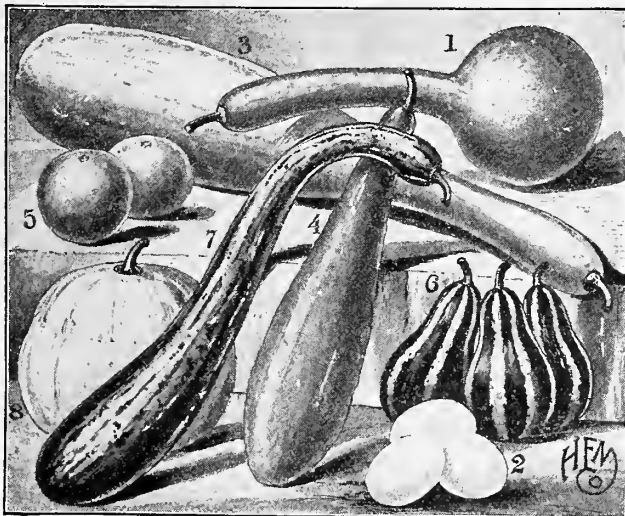
## Gypsophila Paniculata Fl. Pl.

Large Oz. Pkt. Pkt.

**Elegans Alba Grandiflora.** A hardy annual variety; delicate sprays of pure white flowers.\$0.35 \$0.20 \$0.05

**Paniculata.** Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early ..... .75 .20 .05

**Paniculata fl. pl.** Perennial, with a profusion of double white flowers. 50c. per 3 pkts..... .20



Ornamental Gourds

## GOURD (Ornamental)

Calabash, or Dipper, No. 1. ....\$0.40 \$0.20 \$0.05

Egg-Shaped. White like an egg. No. 2..... .40 .20 .05

Hercules Club. Club-shaped; No. 3..... .40 .20 .05

Luffa (Dish Rag or Bonnet Gourd). No. 4... .40 .20 .05

Orange-Shaped (Mock Orange). No. 5..... .40 .20 .05

Pear-Shaped. Striped. No. 6 ..... .40 .20 .05

Serpent. Striped; 5 feet long. No. 7..... .40 .20 .05

Sugar Trough. Used as water holder. No. 8.. .40 .20 .05

Mixed. In a great variety ..... .35 .20 .05

**HELENIUM (Sneeze-Wort)**

Large Pkt. Pkt.

**Autumnale Superbum.** Hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; blooms in late summer and autumn; 5 to 6 feet .....

.....	\$0.30	\$0.10
-------	--------	--------

**HELIANTHUS (See Sunflower)****Helichrysum (Strawflower)****HELICHRYSUM (Strawflower)**

One of the best and most popular of the everlasting flowers; the varieties offered below are all of the Monstrosium type, producing larger and more perfectly double flowers than the old variety. Valuable for cutting or decoration, either when fresh or in their dried state. 2 feet.

	Oz.	Large	Pkt.	Pkt.
<b>Fireball.</b> Crimson .....	\$1.00	\$0.25	\$0.10	
<b>Golden Ball.</b> Golden yellow.....	1.00	.25	.10	
<b>Rose Carmine</b> .....	1.00	.25	.10	
<b>Salmon Pink</b> .....	1.00	.25	.10	
<b>Silver Ball.</b> White.....	1.00	.25	.10	
<b>Violet</b> .....	1.00	.25	.10	
<b>Choice Mixed</b> .....	.75	.20	.05	

Collection, one packet each of above six colors, 50c.

**HELIOPSIS (Orange Sunflower)**

**Pitcheriana.** A handsome hardy perennial; producing an abundance of deep orange-yellow flowers the entire summer; excellent for cutting; 3 to 4 feet...\$0.20 \$0.10

**HELIOTROPE**

A well-known and highly prized plant on account of the delightful fragrance of the flowers; seed started indoors in the spring will make fine plants for summer blooming; can also be sown outdoors in May; excellent for pots, or for bedding; 18 inches.

Large Pkt. Pkt.

<b>Lemoine's Giant.</b> Produces a profusion of flowers nearly double the size of the old sort; mixed colors.....	\$0.40	\$0.15
<b>Regal.</b> Of dwarf compact growth; immense flowers; all shades .....	.50	.15
<b>Choice Mixed.</b> Of many varieties .....	.30	.10

**HEUCHERA (Alum Root)**

**Sanguinea.** Hardy perennial; spikes of vivid crimson flowers; excellent for cutting; 1 foot .....

.50 .10

**HIBISCUS (Marshmallow)**

Showy ornamental perennial plants for mixed beds or shrubbery borders, with large and beautifully colored flowers.

Large Pkt. Pkt.

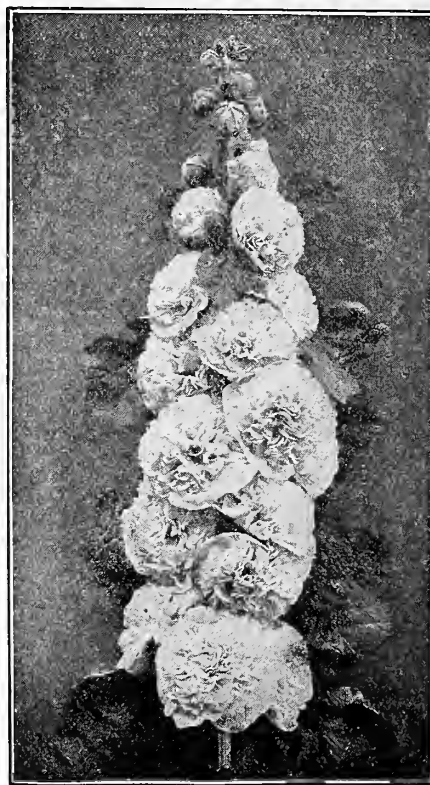
<b>Crimson Eye.</b> Flowers large; color, pure white with velvety crimson centre, 4 feet .....	\$0.20	\$0.10
<b>Golden Bowl.</b> Giant yellow, maroon centre .....	.20	.10
<b>Moscheutos.</b> Large, rosy red flowers with dark centre .....	.20	.05
<b>New Giant (Mallow Marvel).</b> A greatly improved form; gigantic single flowers, in many shades of red, pink, purple and white, mixed .....	.25	.15

**HONESTY (Lunaria)**

**Biennis Alba.** Hardy biennial, admired for its silvery seed pods, which are used for ornamental purposes; beautiful and curious, 2 feet .....

.20 .05

**HORDEUM (Ornamental Grass)** See page 75

**Hollyhocks****HOLLYHOCK**

A popular and desirable hardy perennial plant; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

	Oz.	Large	Pkt.	Pkt.
<b>Allegheny.</b> Semi-double; mammoth flowers, edges fringed and laciniated; mixed.....	\$1.00	\$0.25	\$0.10	
<b>Chater's Double Maroon</b> .....	1.25	.25	.10	
<b>Chater's Double Pink</b> .....	1.25	.25	.10	
<b>Chater's Double Red</b> .....	1.25	.25	.10	
<b>Chater's Double Salmon</b> .....	1.25	.25	.10	
<b>Chater's Double White</b> .....	1.25	.25	.10	
<b>Chater's Double Yellow</b> .....	1.25	.25	.10	
<b>Chater's Double Mixed</b> .....	1.00	.25	.10	
<b>Collection,</b> one packet each of above 6 colors..			.50	
<b>Single Mixed</b> .....	.90	.20	.10	

**ANNUAL EVERBLOOMING HOLLYHOCK**

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.

<b>Double Ever-blooming Mixed.</b> Colors range from white to deep black, yellow, pink, red and purple .....	oz., \$1.25	\$0.30	\$0.15
<b>Single Ever-blooming Mixed</b> .....	oz., 1.00	.25	.10

Ask for Cultural Leaflet No. 212 on the growing of Hardy Perennials from seed.

**HUMULUS (Japanese Hop)**

A rapid growing annual climber with luxuriant foliage; excellent for covering verandas, trellises, etc.

	Oz.	Large	Pkt.	Pkt.
<b>Japonicus.</b> The foliage resembles that of the common Hop, is very dense, and of a lively green color .....	\$0.50	\$0.20	\$0.05	
<b>Japonicus Variegatus.</b> A variegated variety of the above. The leaves are beautifully mottled and splashed silvery white, light and dark green .....	.50	.20	.10	

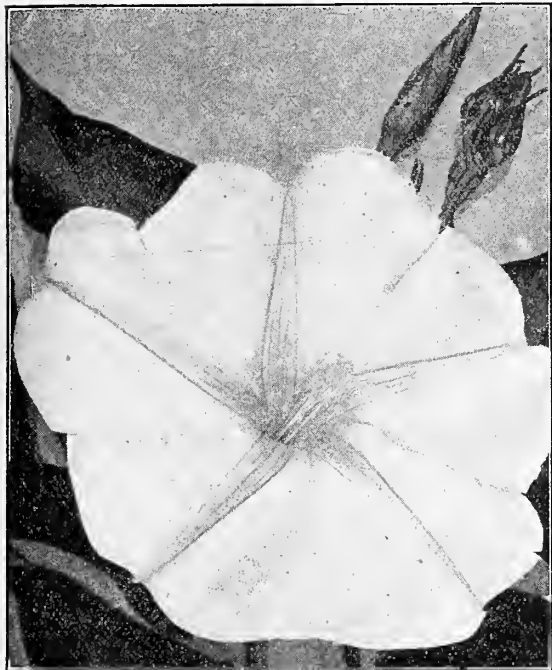
**HUNNEMANNIA (Giant Yellow Tulip Poppy)**

**Fumariaefolia.** Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of July, continuing for the balance of the season; the foliage resembles Eschscholtzia; height, 2 feet .....

oz., 60c..\$0.20 \$0.10

**HYACINTH BEAN (See Dolichos)**





**Ipomoea (Moon Flower)**

**IPOMOEA**

	Large	Pkt.	Pkt.
<b>Grandiflora Superba.</b> Flowers sky-blue with a white margin .....oz., 50c.	\$0.20		\$0.05
<b>Heavenly Blue (Rubra Coerulea).</b> Beautiful, large, sky-blue flowers .....oz., \$1.00	.25	.10	
<b>Noctiflora (Moon Flower).</b> At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers .....oz., 60c.	.20	.10	
<b>Quamoclit Hybrida (Cardinal Climber).</b> Fiery cardinal red .....oz., 60c.	.65	.15	
<b>Setosa (Brazilian Morning Glory).</b> Large leaves and bright rose-colored flowers .....oz., 40c.	.20	.05	
<b>Mixed.</b> Various colors .....oz., 40c.	.20	.05	

**IRIS (Flowering Flag)**

<b>Kaempferi (Japanese Iris).</b> Hardy perennial; very showy; blooms the second year from seed; mixed colors; 3 feet .....oz., 40c.	\$0.20	\$0.05
--	--------	--------

**JOB'S TEARS (See Grasses, Page 75)**

**KENILWORTH IVY (Linaria Cymbalaria)**

A charming, neat trailing plant, for baskets, vases, pots and rock work; flowers violet .....oz., 40c.	.30	.05
--	-----	-----

**LARKSPUR (Annual)**

Splendid annuals of easy culture; seed sown early in spring will produce blooming plants by July; graceful fern-like foliage and slender spikes with double rosette flowers; fine for cutting or garden decoration.

**DWARF DOUBLE ROCKET.**

	Large	Pkt.	Pkt.
<b>Mixed.</b> A compact bushy plant with several Oz. spikes of double flowers; height, 1 foot .....oz., 40c.	\$0.20	\$0.10	\$0.05

**GIANT HYACINTH FLOWERED.**

The flowers are large, very double and borne on spikes, resembling a double Hyacinth; 1½ feet.

	Oz.	Large Pkt.	Pkt.
<b>Mixed Colors</b> .....oz., 40c.	\$0.75	\$0.20	\$0.05

**TALL DOUBLE STOCK FLOWERED**

Plants branch freely, bearing long spikes of beautiful double flowers; height, 2½ feet.

	Oz.	Large Pkt.	Pkt.
<b>Dark Blue</b> .....oz., 40c.	\$0.75	\$0.20	\$0.10
<b>Lilac</b> .....oz., 40c.	.75	.20	.10
<b>Lustrous Carmine</b> .....oz., 40c.	.75	.20	.10
<b>Shell Pink</b> .....oz., 40c.	.75	.20	.10
<b>Sky Blue</b> .....oz., 40c.	.75	.20	.10
<b>White</b> .....oz., 40c.	.75	.20	.10
<b>Mixed.</b> All colors .....oz., 40c.	.60	.20	.05

Collection, one packet each of the above 6 colors, 50c.

Ask for Cultural Leaflet No. 216 on the growing of Larkspur.

For Perennial Larkspur, see Delphinium, page 72.

**IBERIS**

See Candytuft

**ICE PLANT**

See Mesembryanthemum

**IMPATIENS**

(Sultan's Balsam)

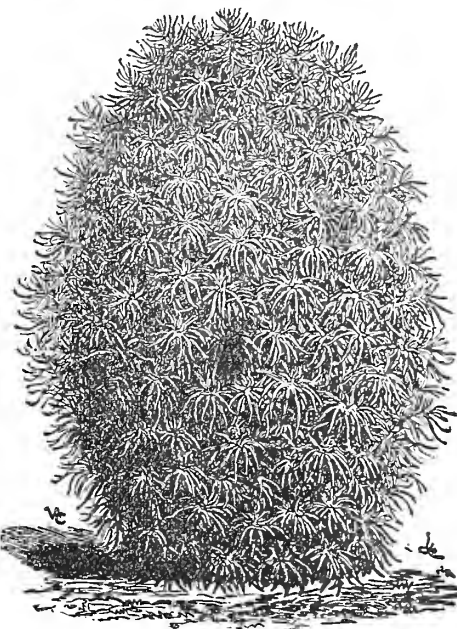
A charming plant for house and conservatory decorations, flowering profusely and almost continuously.

**Holstii.** Resembles Impatiens Sultani in leaf and shape of bloom, but flowers are larger; color, vermilion red. Pkt., 20c.; 50c. per large pkt.

**Holstii, "New Hybrids."** The colors offered in these Hybrids are beautiful and of many shades. Pkt., 15c.; 50c. per large pkt.

**Sultani.** Brilliant rosy-scarlet. Pkt., 15c.; 50c. per large pkt.

**Sultani Hybrida.** Colors range from pale pink to dark crimson. Pkt., 15c.; 50c. per large pkt.



**Kochia Trichophylla**

**KOCHIA (Summer Cypress or Mexican Fire Bush)**

Large Pkt. Pkt.

**Trichophylla.** An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet .....oz., 40c. \$0.20 \$0.05

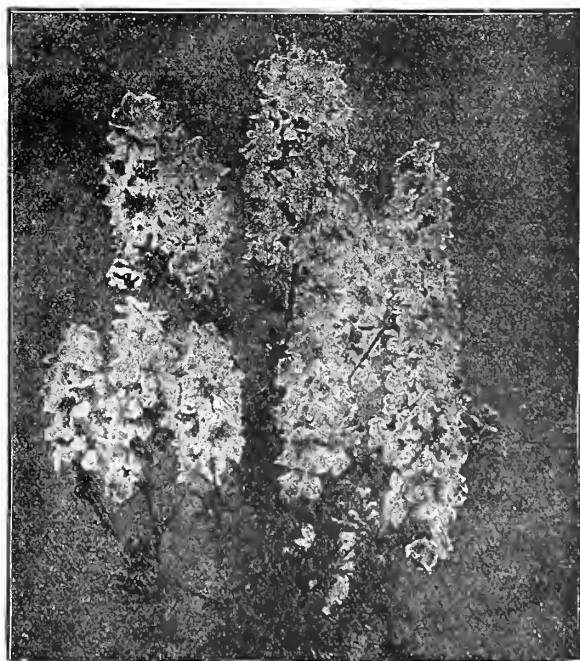
**KUDZU VINE. See Pueraria**

**LANTANA**

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

Large Pkt. Pkt.

**Dwarf Mixed.** 10 inches high; all colors .....oz., 40c. \$0.20 \$0.10  
**Choice Tall Mixed.** 2 to 3 feet high .....oz., 60c. .20 .10



**Larkspur, Double Tall Stock Flowered**

**LATHYRUS LATIFOLIUS**

(Everlasting or Perennial Pea)

Showy hardy perennial climber; fine for covering walls, stumps, fences, etc. Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting; 6 to 8 feet.

	Oz.	Large	Pkt.	Pkt.
<b>Crimson.</b> Brilliant .....	\$0.75	\$0.20	\$0.10	
<b>Pink Beauty.</b> Bright rosy-pink .....	1.00	.25	.10	
<b>White</b> .....	.90	.20	.10	
<b>Choice Mixed.</b> All colors .....	.75	.20	.05	

**LAVENDER (Lavendula Vera)**

Well-known, hardy perennial, bearing long spikes of fragrant blue flowers; excellent for the mixed border; 18 inches .....

oz.	\$1.00	.25	.05
-----	--------	-----	-----

**LEPTOSYNE**

**Maritima.** Free flowering hardy annual; large, single yellow flowers, borne on long stems; excellent for cutting; 2 feet .....

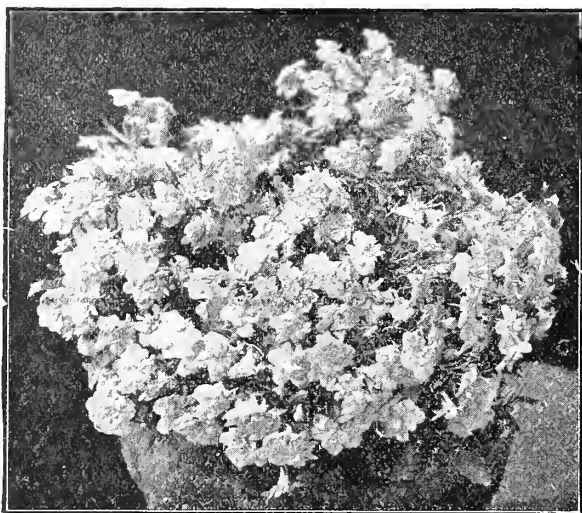
.40	.10
-----	-----

**LINARIA (See Kenilworth Ivy)**

**LINUM (Scarlet Flax)**

**Grandiflorum Rubrum.** Ideal for hedging; dwarf and compact, with light green foliage and bright scarlet flowers; annual; 1 foot .....

oz., 40c.	.20	.05
-----------	-----	-----



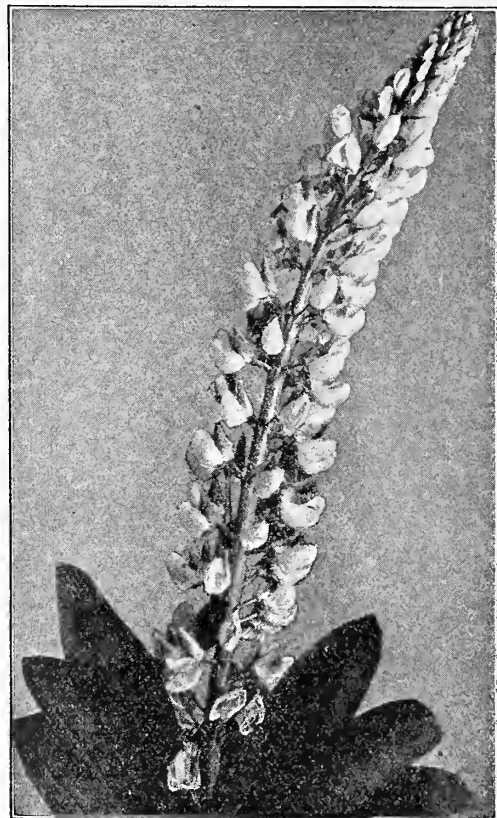
Lobelia, Crystal Palace Compacta

**LOBELIA**

No garden is complete without an edging of blue Lobelia, and for a long season of bloom there is nothing that can take its place; also desirable for pots, hanging baskets, etc.

Large Pkt. Pkt.

<b>Barnard's Perpetual.</b> Deep blue with white eye; trailing; an excellent sort .....	\$0.40	\$0.10
<b>Crystal Palace Compacta.</b> Very compact; deep blue; the best for edging .....	.40	.10
<b>Crystal Palace Speciosa.</b> Of trailing habit; deep ultramarine blue; fine for vases .....	.25	.05
<b>Emperor William.</b> Flowers sky blue, plants very compact .....	.40	.10
<b>Graells.</b> Of trailing habit, light blue .....	.20	.05
<b>Sapphire.</b> A beautiful trailing variety; of strong growth; the flowers are unusually large; color, deep blue with large clearly defined white eye .....	.50	.20
<b>White Gem.</b> Very compact, snow-white flowers .....	.40	.10
<b>Mixed.</b> All colors .....	.25	.05
<b>Cardinalis</b> (Cardinal Flower). Hardy perennial, with long spikes of brilliant scarlet flowers. These are one of the few flowering plants that thrive in shady situations. ....	.50	.10



Annual Lupinus

**LUPINUS (Lupin) ANNUAL VARIETIES.**

Very popular, free flowering, easily grown plants of branching habit, with long spikes of pea-shaped flowers for most of their length; excellent for cutting; will bloom in six weeks after sowing; 2 feet.

	Oz.	Large	Pkt.	Pkt.
<b>Rich Blue</b> .....	\$0.50	\$0.20	\$0.05	
<b>Pink</b> .....	.50	.20	.05	
<b>Scarlet, White Tipped</b> .....	.50	.20	.05	
<b>Sky Blue</b> .....	.50	.20	.05	
<b>White</b> .....	.50	.20	.05	
<b>Mixed.</b> All Colors .....	.40	.20	.05	

**PERENNIAL VARIETIES.**

Graceful spikes with pea-shaped flowers; excellent for cutting; May and June; 2 to 3 feet.

	Large	Pkt.	Pkt.
<b>Polyphyllus Blue</b> .....	\$0.20	\$0.05	
<b>Polyphyllus Roseus.</b> Pink .....	.25	.10	
<b>Polyphyllus Somerset (New), Yellow</b> .....	.40	.15	
<b>Polyphyllus White</b> .....	.20	.05	
<b>Polyphyllus Mixed</b> .....	oz., 40c.	.20	.05

Ask for Cultural Leaflet No. 217 on the culture of Lupinus.

**LYCHNIS**

One of the finest hardy perennials; remarkable for the brilliancy of their flowers; of easy culture; excellent for massing in large beds or borders.

	Large	Pkt.	Pkt.
<b>Chalcedonica</b> (Rose Champion). Fine scarlet cross-like flowers; 2 feet; July .....	oz., 60c.	.20	.05
<b>Haageana.</b> Brilliant, large, orange, scarlet, pink and crimson flowers, mixed; 1 foot; July .....	.50	.10	

Gentlemen: Rockland, Me.  
 Please find enclosed check for ....., for which please send me the following seeds. The seeds I have got from you this year came up in fine shape. I have bought seeds for 35 years, and I will say your seeds are the best I ever bought.  
 Yours respectfully, E. A. D.



Marigold—El Dorado

MARIGOLD (Tagetes)

These are old favorite free flowering annuals, with rich and showy flowers, blooming all summer. The Tall African varieties are well adapted for large beds or mixed borders, while the Dwarf French varieties are better suited for bedding purposes.

AFRICAN VARIETIES

These are mostly of tall growth, from 2 1/2 to 3 feet high.

	Large Pkt.	Pkt.
El Dorado. Imbricated flowers of immense size, in all shades of yellow	60c.	\$0.20 \$0.05
Lemon Queen. Soft lemon yellow	75c.	.20 .10
Orange Beauty (New). Large single flowers, the petals of which are beautifully frilled	\$1.00	.25 .10
Orange Prince. Large flowers, of a deep golden orange color; very showy	75c.	.20 .10
Pride of the Garden. Dense bushes, 18 inches high; large, golden yellow flowers	60c.	.20 .10
Large African. Tall double mixed	50c.	.20 .05
Imported Collection, 6 Varieties		.30

FRENCH VARIETIES

Dwarf Gold Striped. Double; brownish red, striped golden yellow; 1 foot	75c.	.20 .10
Legion of Honor (Little Brownie). Single flowers; golden yellow with a large spot of crimson velvet; 9 inches; early flowering	50c.	.20 .05
Lilliput. Dwarf; excellent for pots; small double flowers; mixed colors; 4 inches	90c.	.25 .10
Dwarf French Mixed. All colors; 1 foot	50c.	.20 .05
Imported Collection, 6 Varieties		.30

MARVEL OF PERU. See Next Page.

MATTHIOLA

Bicornis (Evening Scented Stock). A desirable annual, on account of its delightful fragrance during the evening; color, purplish lilac	.20	.05
--	-----	-----

MATRICARIA—See Feverfew

MAURANDIA

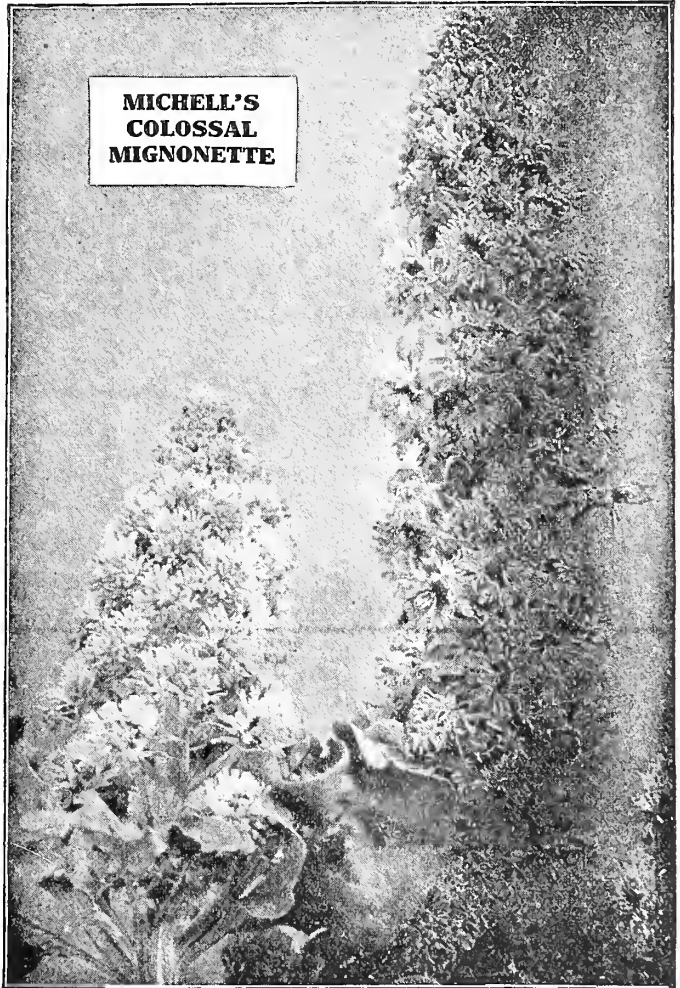
A beautiful climber of rapid growth, for baskets, vases and trellises; produces an abundance of tube-shaped flowers; 10 feet.

Barelayana. Purple	\$0.40	\$0.10
Choice Mixed	.30	.10

MESEMBRYANTHEMUM

Dwarf trailing annuals for rockeries, edgings and vases.

	Large Pkt.	Pkt.
Cordifolium Variegatum. Variegated foliage; rose-colored flowers	\$0.50	\$0.10
Crystallinum (Ice Plant). Singular icy foliage; flowers white	.20	.05
Tricolor (Wax Plant). Various colors	.25	.05

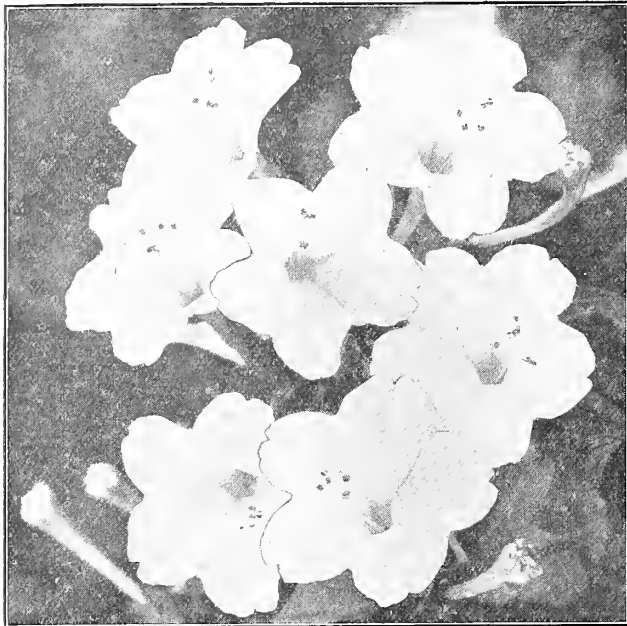


MIGNONETTE

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; can also be grown in pots for winter and early spring flowering.

Allen's Defiance. Spikes invariably attain a height of 12 to 15 inches; fragrant	60c.	\$0.20 \$0.10
Bismarck. Compact plant of strong growth, with stout spikes of large flowers	90c.	.25 .10
Golden Machet. Large golden yellow	50c.	.20 .10
Goliath. Giant spikes of red flowers	75c.	.20 .10
Machet. Large reddish tinted, sweet scented flowers	50c.	.20 .10
Michell's Colossal. Foliage, stalks and flowers are very robust. The flower-spikes often average 18 to 24 inches; extremely fragrant	.50	.15
Sutton's Giant. Reddish buff, original pkts.		.40
Sweet Scented. The popular garden sort	20c.	.05
Collection. Six varieties, our selection		.40

Ask for Cultural Leaflet No. 204 on the growing of Mignonette.



Marvel of Peru (Four O'Clocks)

**MARVEL OF PERU (Four O'clock)**

Choice Mixed. Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet .....\$0.25 Pkt. \$0.05

**MIMULUS**

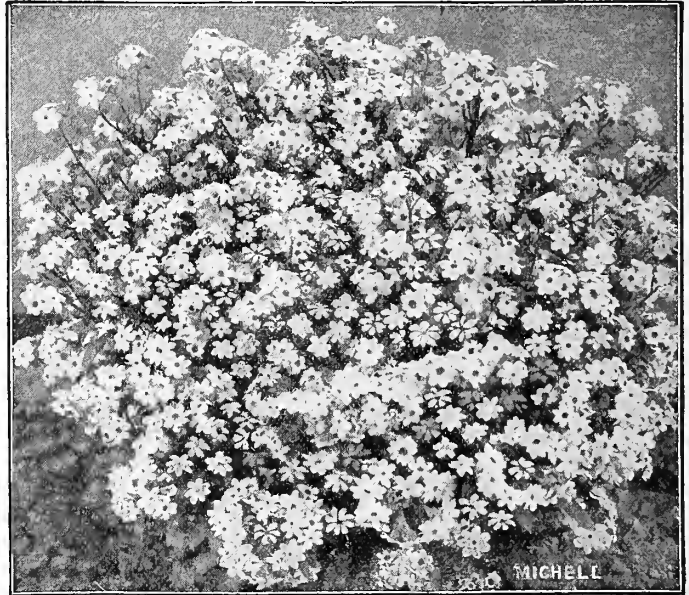
Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half hardy perennials, blooming the first year if sown early.

**Moschatus** (Musk Plant). Fine for hanging baskets; yellow flowers; fragrant foliage; 6 inches.....\$0.40 Pkt. \$0.05  
**Tigrinus** (Monkey Flower). Fine mixed tigered and spotted varieties; 1 foot..... .40 .05

**MOMORDICA.** See Balsam Apple  
**MOONFLOWER.** See Ipomoea  
**MORNING GLORY.** See Convolvulus  
**MOURNING BRIDE.** See Scabiosa



Nicotiana (Flowering Tobacco)



Myosotis—Alpestris Victoria

**MYOSOTIS (Forget-Me-Not)**

Beautiful, half hardy perennials, blooming the first year from seed; succeeding best in moist, shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering seed should be sown in frames in July or August.

	Large Pkt.	Pkt.
<b>Alpestris Victoria.</b> Of bushy habit; bearing large bright blue flowers; very fine; 6 inches.....	\$0.30	\$0.10
<b>Dissitiflora.</b> Of dwarf, compact habit; deep green foliage, and attractive deep blue flowers .....	.50	.10
<b>Eliza Fanrobert.</b> Of strong growth, with clusters of large, bright blue flowers; 10 inches.....	.30	.10
<b>Grandiflora Alba.</b> Large white flowers; 8 inches....	.30	.10
<b>Grandiflora Rosea.</b> Large pink flowers; 8 inches....	.30	.10
<b>Palustris.</b> The true Forget-Me-Not; bright blue flowers; 8 inches .....	.50	.10
<b>Palustris Semperflorens.</b> Dwarf; blooms the entire season; deep blue .....	.50	.10
<b>Royal Blue.</b> This variety belongs to the upright pillar-shaped section; large deep blue flowers; 12 inches	.40	.10
<b>Ruth Fischer.</b> Plant of neat, compact habit; flowers extra large and of a lovely sky blue.....	.65	.25
<b>Choice Mixed</b> .....oz., \$1.00	.20	.05

**MUSA ENSETE (Abyssinian Banana)**

A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in hotbed or bottom heat in greenhouse. Per 10 seeds, 30c.; 60c. per 25 seeds.

**NASTURTIIUM.** See page 81

**NEMESIA**

	Large Pkt.	Pkt.
<b>Strumosa Suttoni.</b> A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding; 18 inches....	\$0.50	\$0.15

**NICOTIANA (Flowering Tobacco)**

Extremely showy annual plants, giving a continuous display of brilliant flowers through the summer and autumn; plants are of branching habit; 2 to 3 feet high.

	Large Pkt.	Pkt.
<b>Affinis.</b> Fragrant, tubular, pure white flowers.....	\$0.20	\$0.05
<b>Affinis Hybrida.</b> Large, sweet-scented flowers; colors range through creamy white and rose tints to bright red and crimson in mixture.....	.20	.10
<b>Sanderæ.</b> An excellent variety, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant .....	.20	.10

**NIEREMBERGIA**

<b>Frutescens.</b> Half hardy perennial; excellent for greenhouse, baskets, vases or bedding out; flowers white tinted with lilac; 1 foot.....	.25	.10
--	-----	-----

# Michell's Giant Flowering Nasturtiums

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size, as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

## DWARF OR BEDDING (Tom Thumb)

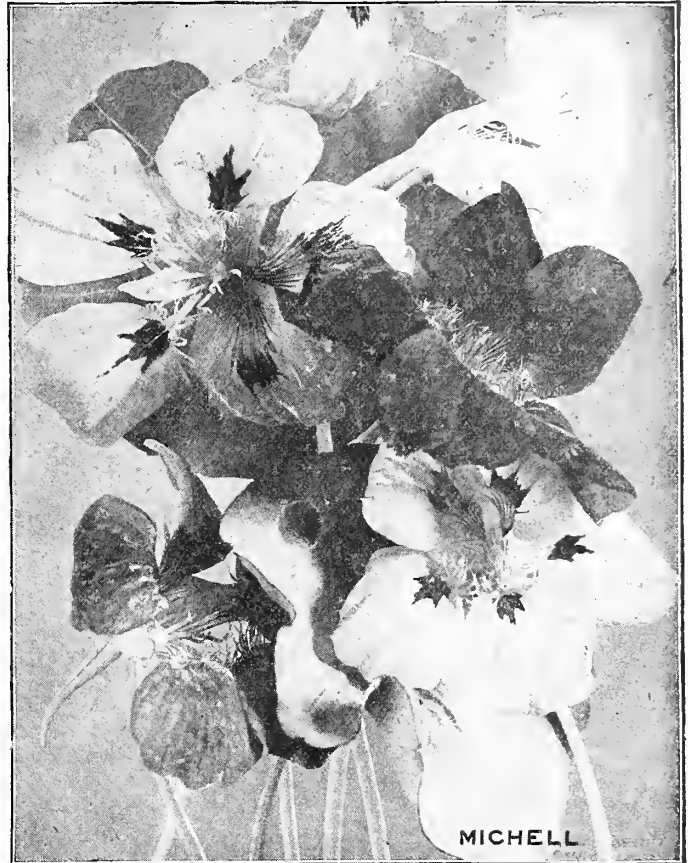
Of dwarf, compact growth; excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

	¼ lb.	Oz.	Pkt.
<b>Aurora.</b> Rich yellow, veined carmine.....	\$0.60	\$0.20	\$0.05
<b>Beauty.</b> Yellow, with scarlet veinings.....	.60	.20	.05
<b>Bronze.</b> Burnished bronze color .....	.60	.20	.05
<b>Chameleon.</b> Produces various colors and markings on the same plant.....	.60	.20	.05
<b>Cloth of Gold.</b> Bright golden yellow leaves and brilliant scarlet flowers.....	.60	.20	.05
<b>Crystal Palace Gem.</b> Sulphur yellow, spotted maroon .....	.60	.20	.05
<b>David Burpee Spencer.</b> Compact plants with emerald green leaves, which are wavy and ruffled; flowers deep scarlet.....	.75	.25	.10
<b>Empress of India.</b> A splendid variety, with dark leaves and crimson flowers.....	.60	.20	.05
<b>Geranium Leaved.</b> Scarlet .....	.75	.25	.10
<b>Golden King.</b> Dark foliage; rich, golden yellow flowers .....	.60	.20	.05
<b>Golden Queen.</b> Foliage and flowers golden yellow .....	.60	.20	.05
<b>King of Tom Thumbs.</b> Dark green foliage; scarlet flowers .....	.60	.20	.05
<b>King Theodore.</b> Dark foliage; flowers crimson maroon .....	.60	.20	.05
<b>Lady Bird.</b> Rich orange yellow, with a red blotch at the base of the petals.....	.60	.20	.05
<b>Pearl.</b> Creamy white .....	.60	.20	.05
<b>Pink.</b> Soft rose color.....	.60	.20	.05
<b>Prince Henry.</b> Cream, spotted and tipped red.....	.60	.20	.05
<b>Queen of Tom Thumbs.</b> Crimson. Silver variegated foliage and rich, bright crimson flowers .....	.60	.20	.10
<b>Scarlet.</b> Brilliant .....	.60	.20	.05
<b>Spotted.</b> Rich yellow, spotted crimson.....	.60	.20	.05
<b>Vesuvius.</b> Salmon rose .....	.60	.20	.05
<b>Yellow.</b> Bright shade .....	.60	.20	.05
<b>Choice Mixed, Dwarf.</b> Comprising a large variety of brilliant colors. Lb., \$1.50.....	.50	.20	.05
<b>Golden Foliage, Mixed.</b> The golden yellow foliage and the flowers of many colors make a beautiful contrast .....	.60	.20	.10
<b>Ivy Leaved Mixed.</b> Ivy-like, deep green foliage; flowers beautifully fringed and of a remarkable range of colors.....	.60	.20	.10
<b>Liliput Mixed.</b> A fine variety of very dwarf and compact growth, and producing in the greatest profusion flowers of many new and beautiful colors .....	.60	.20	.05
<b>Michell's Giant Flowering Mixed Dwarf.</b> This is one of the finest mixtures, composed of the largest and finest named varieties, and cannot be surpassed for brilliancy of color. Per lb., \$2.00.....	.60	.25	.10
<b>Queen of Tom Thumbs, Mixed.</b> Silver variegated foliage; flowers in a great variety of colors .....	.60	.20	.10

## LOBB'S CLIMBING NASTURTIUMS (Tropaeolum Lobbianum)

These are exceedingly free-flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets and rockeries; also for greenhouses or conservatory during the winter; 8 to 10 feet.

	¼ lb.	Oz.	Pkt.
<b>Asa Gray.</b> Yellowish white .....	\$0.60	\$0.20	\$0.05
<b>Black Prince.</b> Dark, velvety crimson.....	.60	.20	.05
<b>Brilliant.</b> Glowing scarlet flowers.....	.60	.20	.05
<b>Golden Queen.</b> Golden yellow.....	.60	.20	.05
<b>Roi des Noirs.</b> Dark garnet red.....	.60	.20	.05
<b>Spitfire.</b> Brilliant scarlet .....	.60	.20	.05
<b>Choice Mixed.</b> Lobb's varieties, all colors. Per lb., \$1.25 .....	.50	.20	.05
<b>Collection.</b> One packet each of above 6 Lobb's varieties for 25c.			



## TALL OR CLIMBING NASTURTIUMS

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 feet.

	¼ lb.	Oz.	Pkt.
<b>Chameleon.</b> Produces different colored flowers on the same plant .....	\$0.60	\$0.20	\$0.05
<b>Crimson.</b> Rich and velvety .....	.60	.20	.05
<b>Hemtsphaericum.</b> Orange-salmon and scarlet..	.60	.20	.05
<b>Jupiter.</b> Color, pure deep yellow, with crinkled petals; of immense size .....	.60	.20	.05
<b>King Theodore.</b> Dark foliage; flowers crimson maroon .....	.60	.20	.05
<b>Orange.</b> A deep shade .....	.60	.20	.05
<b>Prince Henry.</b> Cream, spotted and tipped red .....	.60	.20	.05
<b>Pearl.</b> Creamy white .....	.60	.20	.05
<b>Pink.</b> Soft rose color.....	.60	.20	.05
<b>Scarlet.</b> Very bright .....	.60	.20	.05
<b>Vesuvius.</b> Salmon pink .....	.60	.20	.05
<b>Yellow</b> .....	.60	.20	.05
<b>Choice Mixed, Tall or Climbing.</b> Lb., \$1.25... ..	.40	.15	.05
<b>Hybrids of Mad. Gunther.</b> A special strain; all shades and colors. Per lb., \$1.50.....	.50	.15	.05
<b>Ivy Leaved Mixed.</b> Ivy-like, deep green foliage; flowers beautifully fringed .....	.60	.20	.10
<b>Michell's Giant Flowering Mixed Tall.</b> This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. Per lb., \$1.75 ..	.50	.25	.10
<b>Queen of Talls, Mixed.</b> Silver variegated foliage, flowers of all colors.....	.60	.20	.10

### MICHELL'S COLLECTIONS OF NASTURTIUMS

One packet each	12 Dwarf Sorts.....	\$0.50
One packet each	6 Dwarf Sorts.....	.25
One ounce each	12 Dwarf Sorts.....	1.50
One ounce each	6 Dwarf Sorts.....	.90
One packet each	12 Tall Sorts.....	.50
One packet each	6 Tall Sorts.....	.25
One ounce each	12 Tall Sorts.....	1.50
One ounce each	6 Tall Sorts.....	.90

Ask for Cultural Leaflet No. 219, on the growing of Nasturtiums.



Nigella—Miss Jekyll

**NIGELLA (Love in a Mist)**

Lovely garden annuals, with finely cut green foliage, and curious looking flowers and seed pods.

	Large pkt.	Pkt.
<b>Damascena.</b> Blue and white mixed; double; 1 foot..	\$0.20	\$0.05
<b>Miss Jekyll.</b> A lovely variety, with long stems, and bearing a profusion of beautiful double flowers of a clear cornflower blue; excellent for cutting; 18 inches ..	.20	.10

**ORNAMENTAL GRASSES** (See page 75)

**MICHELL'S PANSIES**

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring.

**PANSIES IN MIXTURES**

	Large pkt.	Pkt.
<b>Michell's Giant Exhibition.</b> A blending of our own containing only the very choicest secured from the leading Pansy specialists; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz., \$10.00; \$3.00 per 1/4 oz.; per 1/8 oz., \$1.75.....	\$0.65	\$0.25
<b>Bugnot, Odier and Cassier.</b> A superb mixture of giant blotched varieties.....	1/8 oz., \$1.00 .65	.25
<b>Giant Trimardeau.</b> Very large flowering; all colors mixed.....	1/4 oz., 75c. .40	.10
<b>Mad. Perret.</b> Early flowering; fragrant; especially rich in red shades.....	1/4 oz., \$1.25 .65	.25
<b>Masterpiece (Frisled Pansy).</b> Flowers beautifully curled or waved.....	1/8 oz., \$1.00 .65	.25
<b>Odier or Blotched.</b> Beautiful strain, 1/8 oz., \$1.00	.65	.15
<b>Parisian Large Stained.</b> Choicest flowers, 1/8 oz., \$1.00	.65	.15
<b>Triumph of the Giants Mixed.</b> Immense flowers of great brilliancy and richness of colors, including many new and rare shades. Per oz., \$11.00; \$3.25 per 1/4 oz.; per 1/8 oz., \$2.00.....	.75	.50
<b>Finest English Mixed.....</b>	.oz., \$2.25 .30	.10
<b>Very Fine Mixed.....</b>	.oz., \$1.25 .25	.05

**GIANT PANSIES—Separate Colors**

A strain secured from the leading pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

	1/4 Oz.	Large Pkt.	Pkt.
<b>Giant Prize, Azure Blue.</b> Violet blue.....	\$1.25	\$0.50	\$0.15
<b>Giant Prize, Black Blue.</b> Dark velvety.....	1.25	.50	.15
<b>Giant Prize, Emperor William.</b> Ultramarine blue .....	1.25	.50	.15
<b>Giant Prize, Hortensia Red.</b> Scarlet.....	1.25	.50	.15
<b>Giant Prize, King of the Blacks.....</b>	1.25	.50	.15
<b>Giant Prize, Lord Beaconsfield.</b> Violet.....	1.25	.50	.15
<b>Giant Prize, Peacock.</b> Upper petals blue, lower petals deep claret with white margin.....	1.25	.50	.15
<b>Giant Prize, Snow Queen.</b> Pure white.....	1.25	.50	.15
<b>Giant Prize, Striped and Mottled.....</b>	1.25	.50	.15
<b>Giant Prize, White, with dark eye.....</b>	1.25	.50	.15
<b>Giant Prize, Pure Yellow.....</b>	1.25	.50	.15
<b>Giant Prize, Yellow, with dark eye.....</b>	1.25	.50	.15

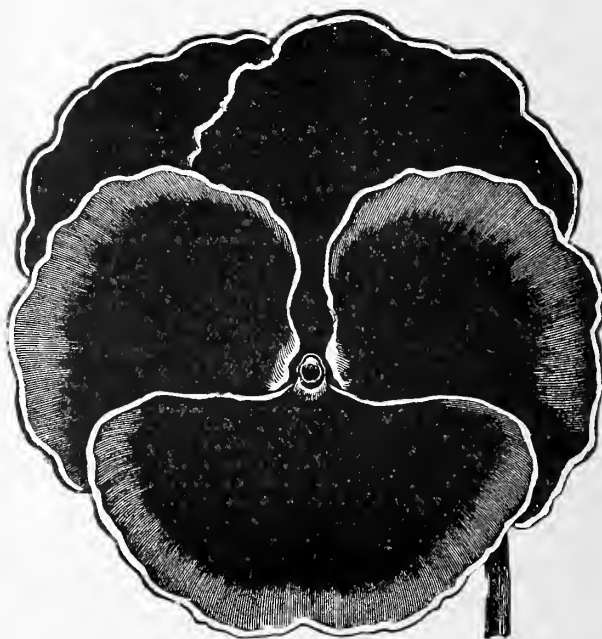
**SPECIAL OFFER.** We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

**PANSIES—Regular Sorts in Separate Colors**

	Oz.	Large Pkt.	Pkt.
<b>Belgian Striped.</b> Showy .....	\$2.75	\$0.30	\$0.10
<b>Emperor William.</b> Ultramarine blue.....	2.75	.30	.10
<b>Faust (King of the Blacks).....</b>	2.75	.30	.10
<b>Gold Margined.</b> Purple, golden edge.....	2.75	.30	.10
<b>Havana Brown.....</b>	2.75	.30	.10
<b>Lord Beaconsfield.</b> Violet .....	2.75	.30	.10
<b>Mahogany Colored.....</b>	2.75	.30	.10
<b>Silver Edged.</b> Purple, silver edge.....	2.75	.30	.10
<b>Snow Queen.</b> Pure white.....	2.75	.30	.10
<b>White, with dark eye.....</b>	2.75	.30	.10
<b>Yellow Gem.</b> Pure yellow.....	2.75	.30	.10
<b>Yellow, with dark eye.....</b>	2.75	.30	.10

**SPECIAL OFFER.** We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.

Ask for Cultural Leaflet No. 209 on the Growing of Pansies.

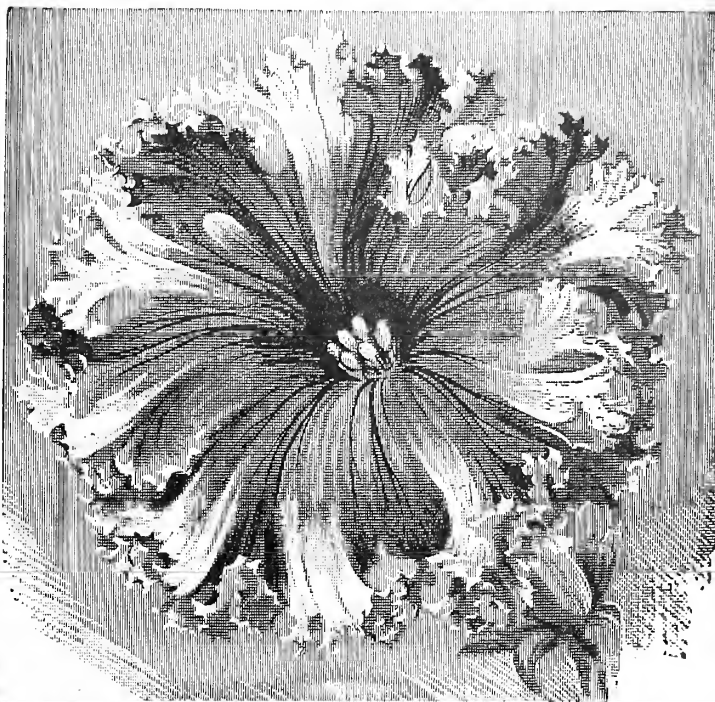


Michell's Giant Exhibition Pansy

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage. Seeds must be carefully handled, as they are extremely fine, but the plants are of easiest culture. We call especial attention to our Large Flowering strains, which for size and brilliancy of coloring cannot be surpassed.

## SINGLE FLOWERED PETUNIAS

	Large pkt.	Pkt.
<b>California Giants.</b> One of the largest varieties; bright and desirable colors; strong robust plants.....	\$0.65	\$0.25
<b>Dwarf Inimitable.</b> Of dwarf, compact habit; profuse bloomer; flowers striped .....	.40	.10
<b>Grandiflora Fringed.</b> Each petal of these giant flowers is delicately fringed, thus giving the flower a distinct appearance; all colors, mixed .....	.65	.20
<b>Ideal.</b> A dwarf, large-flowered strain, with flowers of varied and exquisite coloring.....	75c.	per 2 pkts. .40
<b>Monstrous (Michell's).</b> Extra large flowers, many of which are elegantly fringed; the colorings, markings, veinings, etc., are superb.....	.75	.25
<b>Rosy Morn.</b> Dwarf, hushy plants, bearing in great profusion brilliant rose-colored flowers with a white throat; excellent for pot culture. (See illustration) .....	.40	.15
<b>Ruffled Giants.</b> Immense size flowers, exquisitely ruffled and frilled .....	.65	.25



Petunia—Grandiflora Fringed

## SINGLE FLOWERED PETUNIAS—Continued

	Large Pkt.	Pkt.
<b>Snowball.</b> A fine, compact sort, producing a profusion of satiny white flowers .....	\$0.40	\$0.10
<b>Star (Howard's).</b> A beautiful variety; produces a profusion of crimson-maroon flowers, with a distinct five-pointed white star .....	.40	.15
<b>Choice Mixed.</b> Striped and blotched.....	oz., \$1.50	.30 .10
<b>Fine Mixed.</b> All colors .....	oz., \$1.00	.20 .05
<b>Imported Collection.</b> Single fringed. 6 varieties.....		.75

Ask for Cultural Leaflet No. 205 on the growing of Petunias.



Giant Flowering Double Petunias

## DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

	Large pkt.	Pkt.
<b>Double Fringed White.</b> Extra large, pure white, fringed flowers .....	\$0.75	\$0.25
<b>Double Fringed Mixed.</b> Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and of choicest colors. Per 500 seeds, \$1.00 .....		.25

Gentlemen:

Worcester, Mass.

The Monstrous Petunias which I purchased from you were the best I ever grew, especially for pot culture.

Yours truly,

A. W. H.



Petunia—Rosy Morn

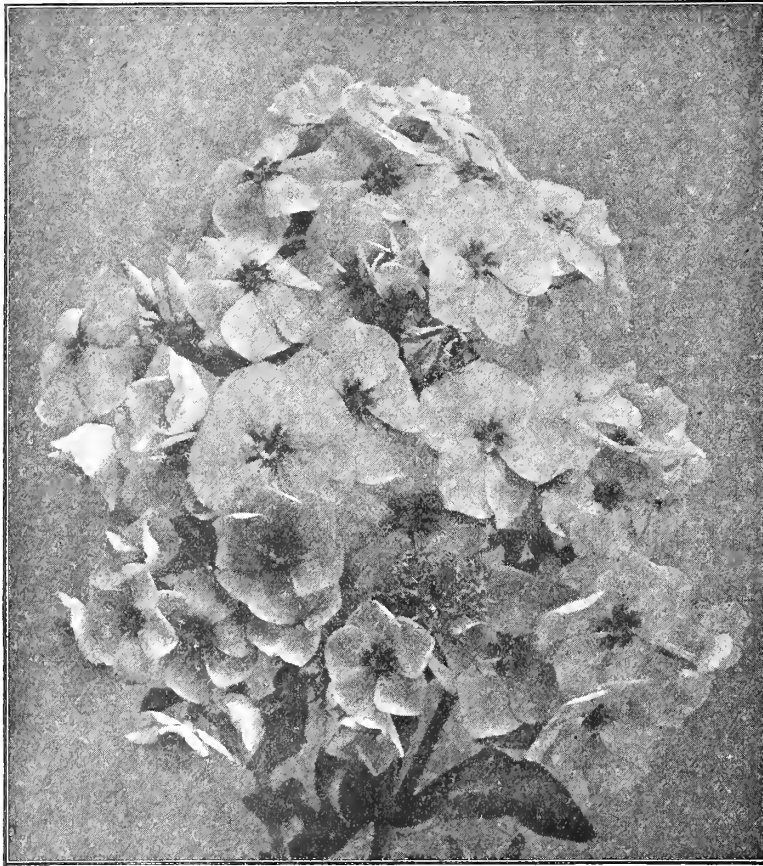
## PAPAVER. See Poppy

**PENNISETUM (Ornamental Grass)** (See Page 75)

## PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing freely large spikes of handsome tubular flowers in almost every shade and color.

	Large pkt.	Pkt.
<b>Sensation.</b> Plants producing large spikes of gloxinia-like flowers of the most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection .....	.50	.15
<b>Mixed.</b> Produces large spikes of handsome flowers; 3 feet .....	.20	.05



Phlox Drummondii, Grandiflora

**PHLOX DRUMMONDII**

One of our finest hardy annuals, and should occupy a prominent place in every garden; it is easy to grow and unequalled for its profusion of bloom, which will continue until frost; for bedding or massing nothing can surpass them for their brilliancy and richness of color.

**DWARF OR COMPACT VARIETIES**

The plants grow very symmetrical, in neat little bushes, 6 to 8 inches high, and covered with flowers during the whole summer and fall. Excellent for bedding or edging.

	Large Pkt.	Pkt.
Cecily. Mixed. Large flowering, dwarf compact variety, of many beautiful colors and shades	\$0.40	\$0.10
Fireball. Brilliant scarlet	.30	.10
Pink	.30	.10
Snowball. Pure white	.30	.10
Choice Mixed.	1/4 oz., 60c.	.30 .10

**GRANDIFLORA VARIETIES**

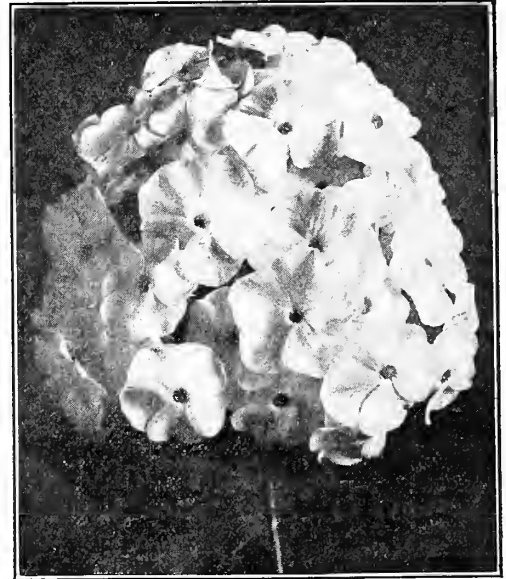
An improved strain with large heads of bloom, as well as large individual flowers; 12 to 15 inches.

	Large Pkt.	Pkt.
Alba. Pure white	\$0.30	\$0.10
Coccinea. Brilliant scarlet	.30	.10
Pink	.30	.10
Stellata Splendens. Scarlet with white eye	.30	.10
Choice Mixed. All colors	1/4 oz., \$1.25	.25 .10
Imported Collection. 12 varieties		.75

**PHLOX DRUMMONDII, FINE MIXED**

Flowers not so large as the grandiflora type, but equally as free-flowering and effective.

Ask for Cultural Leaflet No. 218 on the growing of Phlox Drummondii.



Hardy Phlox

**HARDY PHLOX**

**Decussata.** For a gorgeous show these are the most satisfactory of all perennials; plants 2 to 3 feet high; flowers in all bright colors; seed should be sown early in spring or as soon as gathered in the autumn; mixed colors 1/4 oz., 60c. Large Pkt. .40 .10

For Hardy Phlox Plants see page 124

**PHYSOSTEGIA (False Dragon Head)**

One of the most beautiful of our summer flowering perennial border plants, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.

Virginia. Pink. Pkt., 10c.; 25c. per large pkt.  
Virginia Alba. White. Pkt., 10c.; 30c. per large pkt.

**PINKS—See Carnations and Dianthus**

**PLATYCODON (Chinese Bell Flower)**

One of the best hardy perennials, bearing a profusion of large, bell-shaped flowers the whole season. Excellent for planting in borders or among shrubbery; 2 to 3 feet.  
Grandiflorum Blue. Pkt., 5c.; 30c. per large pkt.  
Grandiflorum White. Pkt., 5c.; 30c. per large pkt.  
Japonicus Fl. Pl. (Double Japanese Bell Flower). Large, glossy, deep blue flowers. Pkt., 15c.; 50c. per large pkt.

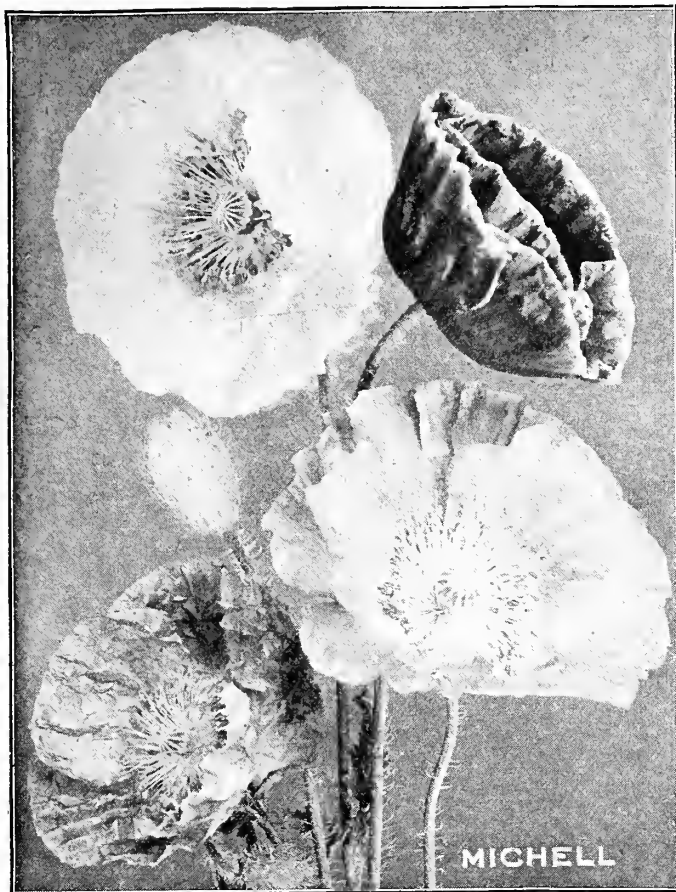
**POLYANTHUS (Primula Elatior)**

Beautiful spring-flowering hardy perennials, either for pot culture or for garden; succeeds best in partial shade; 9 inches.  
Gold Laced. Flowers of brilliant colors, with distinct yellow edge. Pkt., 15c.; 50c. per large pkt.  
Double Mixed. Beautiful colors. Pkt., 15c.; 65c. per large pkt.  
English Mixed. All colors. Pkt., 10c.; 30c. per large pkt.

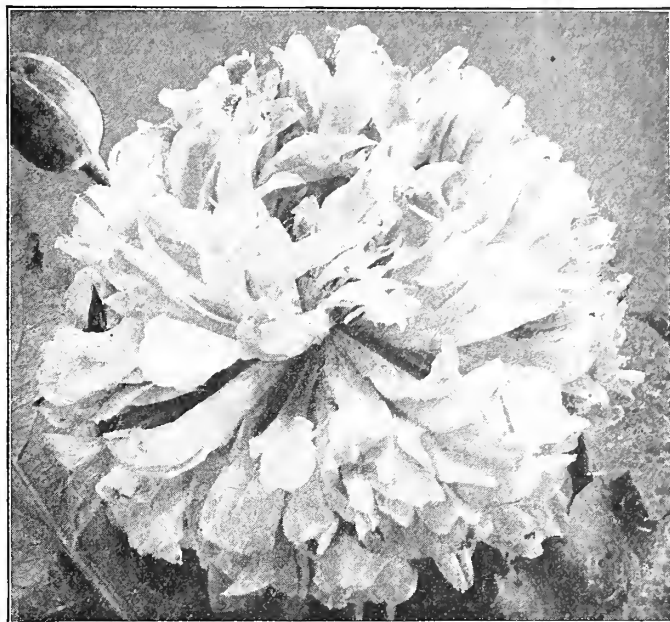


Physostegia





Shirley Poppies



Double Poppy

## DOUBLE ANNUAL POPPIES

	Oz.	Large Pkt.	Pkt.
<b>Carnation Flowered.</b> Double fringed, mixed . . .	\$0.25		\$0.05
<b>Crimson King.</b> Flowers perfectly round. . . . .	.40	\$0.20	.05
<b>Fairy Blush.</b> Flowers white, elegantly fringed and tipped with rose; 2 feet . . . . .	.40	.20	.05
<b>Mikado</b> (Striped Japanese). Double fringed flowers, white striped with crimson; 18 inches . . . . .	.40	.20	.05
<b>Paeony Flowered Scarlet</b> . . . . .	.40	.20	.05
<b>Paeony Flowered White</b> . . . . .	.40	.20	.05
<b>Paeony Flowered Yellow.</b> Very fine . . . . .	.40	.20	.05
<b>Paeony Flowered Mixed.</b> Large, double flowers, resembling a Paeony; 2 feet . . . . .	.25		.05
<b>Double Shirley.</b> Large flowers, mixed . . . . .	.40	.20	.05
<b>Collection,</b> one packet each, 6 colors, 25c.			

## POPPY

One of our favorite and most popular flowers, producing during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown as early in the spring as possible, where they are to remain, as they do not stand transplanting. Several sowings may be made at intervals to have a succession of bloom.

### SINGLE ANNUAL POPPIES

	Oz.	Large Pkt.	Pkt.
<b>Admiral.</b> A single paeony-flowered variety with large flowers of pure white with broad band of scarlet at edge of each petal. . . . .	\$0.40	\$0.20	\$0.05
<b>Danebrog.</b> Flowers brilliant scarlet with a silvery-white spot on each petal, forming a white cross; 2 feet . . . . .	.35	.20	.05
<b>King Edward.</b> Deep scarlet, shaded crimson, with dark blotch at base . . . . .	.50	.20	.10
<b>Maid of the Mist.</b> Large white flowers beautifully fringed; 3 to 4 feet. . . . .	.50	.20	.10
<b>Michell's Shirley.</b> An improved strain of this lovely race of poppies varying in color from pure white and delicate pink to rosy carmine and deep crimson, in mixture. A bed of these poppies produces a gorgeous effect . . . . .	.40	.20	.05
<b>Miss Sherwood.</b> Satiny white with upper half of corolla chamois rose . . . . .	.40	.20	.10
<b>Tulip</b> (Papaver Glaucum). A beautiful poppy, resembling a large tulip; color a dazzling scarlet; 1 foot . . . . .	.50	.20	.10
<b>Umbrosom.</b> Rich vermilion with a deep shining black spot on each petal; 2 feet . . . . .	.40	.20	.05
<b>Collection.</b> One packet each above 8 varieties . . . . .			.50

### PERENNIAL POPPIES

Too much cannot be said of this class of Poppies, as for general effectiveness and brilliancy of display they are unequalled.

	Large Pkt.	Pkt.
<b>Giant Scarlet</b> (Bracteatum). Large flowers; 3 feet . . . . .	\$0.20	\$0.10
<b>Iceland</b> (Nudicaule). White . . . . .	.30	.10
" Yellow . . . . .	.30	.10
" Double Mixed. 1 foot . . . . .	.30	.10
" Single Mixed. Colors range from white and yellow to deep orange scarlet; useful for cutting; if sown early they will bloom the first year; 12 inches (¼ oz., 40c.) . . . . .	.20	.10
<b>Orientele.</b> Extra large flowers; deep scarlet (oz. 75c.) . . . . .	.20	.10
<b>Orientele, Beauty of Livermere.</b> Crimson with black blotch . . . . .	.50	.10
" Mrs. Perry. Rich salmon pink . . . . .	.50	.10
" Hybrids. Flowers of large size; mixed colors (¼ oz., 50c.) . . . . .	.30	.10



Oriental Poppy



Single Portulaca

**PORTULACA (Sun Plant)**

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

	Large pkt.	Pkt.
Double Mixed. All colors	1/4 oz., 60c.	\$0.40 \$0.10
Single Mixed. All colors	1/2 oz., 75c.	.20 .05
Imported Collection. 6 Double varieties		.50
Imported Collection. 8 Single varieties		.30

**PRIMULA**

**FRINGED CHINESE PRIMROSE**

These are among our finest winter and spring blooming pot plants for decorations in the home or conservatory. Our seed has been grown for us by a Primula Specialist, and cannot be excelled for size and brilliancy of colors. Our strains have won many first prizes.

	Large pkt.	Pkt.
Alba Magnifica. Large pure white flowers	\$0.75	\$0.40
Chiswick Red. Brilliant red	.75	.40
Duchess. Large; white with zone of rosy carmine, yellow eye	.75	.40
Holborn Blue. A beautiful shade	.75	.40
Kermesina Splendus. Crimson	.75	.40
Pink Pearl (New). Brilliant pink		.50
Rosy Morn. Delicate pink	.75	.40
Stellata (Sutton's). Excellent pot plant; mixed		1.00
Michell's Prize Mixture. This mixture contains only the finest sorts selected from the best strains	.75	.25
Imported Collection. 8 varieties		.75

**PRIMULA OBCONICA GIGANTEA**

A great improvement over the old type; flowers much larger, and produced in greater abundance.

	Large Pkt.	Pkt.
Lilacina. Pale lilac	\$0.65	\$0.20
Rosea. Pink	.65	.20
Kermesina. Crimson	.65	.20
Alba. White	.65	.20
Hybrida Mixed	.65	.20

**PRIMULA OBCONICA GRANDIFLORA**

Fimbriata. Flowers fringed; mixed colors	.65	.15
Vesuvius. Deep crimson	.65	.25

Ask for Cultural Leaflet No. 206 on the growing of Primulas.

**PRIMULA (Continued)**

**VARIOUS SORTS**

	Large pkt.	Pkt.
Kewensis (Verbena Scented Yellow Primrose). Spikes each 12 to 18 inches long; color, soft yellow; very fragrant	\$0.65	\$0.25
Malacoides. Resembles Primula Forbesi, but the flowers are much larger; if grown in a greenhouse it will bloom in four to five months after sowing and continue for a long time; color, a pretty light lilac	.65	.20
Malacoides Alba. Flowers pure white	.65	.20
Malacoides Alba Plena. A new variety with double white flowers		.75
Malacoides Rosea. Light rose to carmine rose	.65	.20
Malacoides Superba. Deep rosy pink		.25

**HARDY PRIMROSES**

Excellent early spring blooming plants; hardy, though in very cold localities they should have slight protection.

	Large Pkt.	Pkt.
Veris (English Cowslip). Fragrant; flowers of various colors; 6 inches; mixed	.30	.10
Vulgaris (English Primrose). The common hardy English variety; canary yellow	.40	.10

**PUERARIA THUNBERGIANA (Kudzu Vine)**

One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms toward the end of August

	.20	.10
--	-----	-----

**PYRETHRUM**

**FOLIAGE SORTS**

Foliage plants used for edging of ornamental beds; leaves are finely cut.

	Large pkt.	Pkt.
Aureum (Golden Feather). Bright golden yellow foliage; 8 inches	1/2 oz., 75c.	\$0.20 \$0.10

**FLOWERING SORTS**

Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting.

	Large pkt.	Pkt.
Roseum. Flowers bright rose color; July; 2 feet	\$0.50	\$0.10
Uliginosum. Large, single white flowers; September; 3 to 4 ft.	.50	.10
Hybridum Single Mixed. Large flowers ranging in color from light pink to deep red, with bright yellow centres; July; 2 feet	.40	.10
Hybridum Double Mixed	.65	.25



Michell's Prize Chinese Primula



### RHODANTHE (Everlasting Flower)

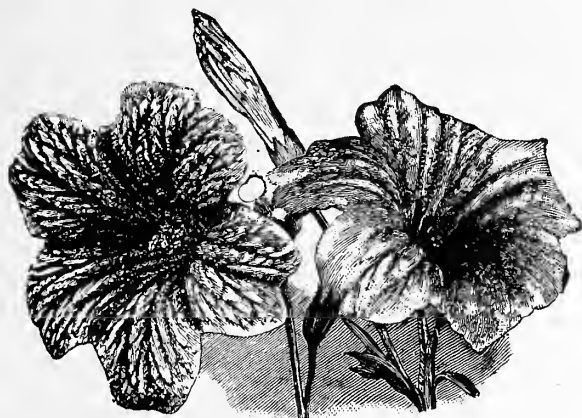
A beautiful annual, for the garden or for pot culture; valuable as dried winter bouquets; 1 foot. Large Pkt. Pkt.  
**Double Pink.** Fine for cutting .....\$0.50 \$0.10  
**Mixed Colors** ..... .20 .05



Ricinus (Castor Oil Bean)

### RICINUS (Castor Oil Bean)

These ornamental plants are used with great effect on lawns, as centrepieces in flowering beds such as cannas, etc. Oz. Pkt.  
**Borboniensis.** Beautiful green foliage; 15 feet....\$0.25 \$0.05  
**Cambodgensis.** Large leaves, dark bronze-maroon; stalk and stems nearly black; 5 feet ..... .25 .05  
**Gibsoni.** Deep red foliage; 5 feet ..... .25 .05  
**Sanguineus.** Blood-red stalks and clusters of red fruit; 8 feet ..... .25 .05  
**Zanzibariensis.** Enormous leaves, varying in color from light green to purplish red; 12 feet ..... .25 .05  
**Mixed.** All sorts ..... .20 .05



Salpiglossis, Large Flowered

### SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; 18 inches. Large Pkt. Pkt.  
**Crimson and Gold** .....\$0.40 \$0.10  
**Primrose** ..... .40 .10  
**Purple and Gold** ..... .40 .10  
**Rose and Gold** ..... .40 .10  
**Scarlet and Gold** ..... .40 .10  
**White and Gold** ..... .40 .10  
**Choice Mixed.** All colors. .... .25 .05  
**Collection.** One packet each above 6 varieties..... .50  
**Emperor Mixed.** A new type, having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold ..... .30 .10

### RUDBECKIA (Coneflower)

Large Pkt. Pkt.  
**Bicolor Superba.** A free flowering annual; produces a profusion of yellow flowers with brown disc in centre; 2 feet .....\$0.20 \$0.10  
**Newmani.** Large yellow flowers with black centre; perennial; very showy; 3 feet ..... .40 .10  
**Purpurea (Giant Purple Coneflower).** Hardy perennial; large, showy, reddish purple flowers, with dark brown disc; 3 feet ..... .30 .10



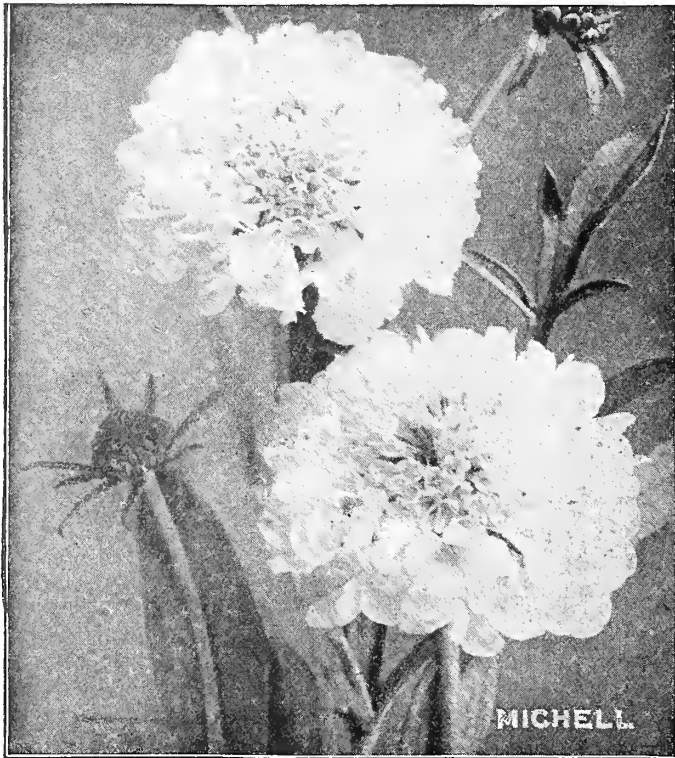
Salvia, Bonfire

### SALVIA (Scarlet Sage)

The Salvia is among our most popular and useful bedding plants. There is nothing more effective in the mid-summer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April. Seed may also be sown in the open ground in May

Large Pkt. Pkt.  
**America or Globe of Fire.** Of dwarf, bushy, compact growth, and very uniform in height and shape. A free and continuous bloomer; produces large spikes of brilliant scarlet flowers ..... ¼ oz., \$2.00 \$0.65 \$0.25  
**Bonfire (Clara Bedman).** Compact bushy plants, 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers ..... ¼ oz., \$1.00 .30 .10  
**Patens.** Bright blue flowers of large size; excellent for the border or greenhouse; height, 2 feet ..... .40 .15  
**Splendens.** The old favorite bedding variety; tall growing plants with bright scarlet flowers; height, 3 feet ..... ¼ oz., 60c. .30 .10  
**Zurich.** One of the earliest flowering of all salvias; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost; for hedging it is very effective, either planted alone or as a front row for the taller varieties; 18 inches ..... ¼ oz., 75c. .40 .15  
**Azurea Grandiflora.** A hardy perennial variety producing during August and September spikes of pretty sky-blue flowers; 2 feet ..... .40 .10  
**Farinacea.** A perennial variety, but best treated as an annual, blooming from July to frost from spring sown seed; color, light-blue; 2 feet. .... .30 .10

Ask for Cultural Leaflet No. 210 on the growing of Salvia.



Scabiosa Grandiflora

**SCABIOSA (Mourning Bride)**

Magnificent hardy annuals of easy cultivation, blooming freely through the summer and autumn. They are very decorative for beds or borders in the garden and are invaluable for cutting.

**GRANDIFLORA VARIETIES**

Flowers large and very showy, on stalks fully 2 feet high.

	Large Pkt.	Pkt.
Azure Fairy. Clear lavender blue .....	\$0.20	\$0.10
Cherry Red .....	.20	.05
Crimson. Rich shade .....	.20	.05
Flesh Pink. Delicate shade .....	.20	.05
King of Blacks. Deep maroon, almost black .....	.20	.05
Pompadour. Deep purple, edged with white .....	.20	.05
Rose. Soft rose color .....	.20	.05
White .....	.20	.05
Collection. One packet each 6 colors .....	.25	
Finest Mixed .....	oz., 60c. .20	.05
Dwarf Double Mixed. Plants grow but 12 inches high; all colors .....	oz., 60c. .20	.05

**HARDY PERENNIAL VARIETIES**

Handsome perennial border plants flowering the entire season.

	Large Pkt.	Pkt.
Caucasica. Soft blue; 3 feet. ....	\$0.50	\$0.10
Caucasica Alba. Pure white .....	.50	.10
Japonica. Lavender blue .....	.20	.10

**SCHIZANTHUS (Butterfly Flower)**

One of our finest hardy annuals; of easy culture in any good garden soil and bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

	Large Pkt.	Pkt.
Grandiflorus Maximus. Extra large flowers of many colors and shades .....		\$0.25
Hybridus Grandiflorus. Forms compact pyramidal plants covered with flowers of many shades of orchid-like appearance; 12 inches .....	\$0.20	.10
Pink Beauty. A beautiful shade of rose pink; a pure self without any markings; very effective as pot plants for grouping .....		.50
Snowflake (New). Of compact habit; flowers pure white, beautifully fringed .....		.30
Wisetonensis. A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre; 1½ feet .....	.40	.20
Mixed. Various colors. ....	.20	.05

**SENSITIVE PLANT (Mimosa)**

*Pudica*. Curious and interesting annual plants with pinkish white flowers; the leaves close or droop when touched or shaken; 18 inches ..... Large Pkt. Pkt. \$0.20 \$0.05

**SHAMROCK**

Dainty little house plants, easily grown from seed. True Irish. Small leaved variety ..... \$0.25 \$0.10

**SHASTA DAISY. See Chrysanthemum**

**SMILAX**

A greenhouse climber of great value for floral decorations; foliage light green; very graceful; seed should be soaked 24 hours in warm water before sowing; 10 feet ..... Large Pkt. Pkt. oz., 50c. \$0.20 \$0.10

**SNAPDRAGON. See Antirrhinum**

**SOLANUM**

Ornamental pot plants for winter decoration; of dwarf branching habit; dark green foliage; bears a profusion of bright berries; 1 foot.

*Capsicastrum* (Jerusalem Cherry.) Bright scarlet globular berries; 1 foot ..... Large Pkt. Pkt. oz., 50c. \$0.20 \$0.10  
*Fra Diavola*. Of dwarf branching habit, with leaves and fruit somewhat smaller than the above variety.. .20 .10

**STATICE (Sea Lavender)**

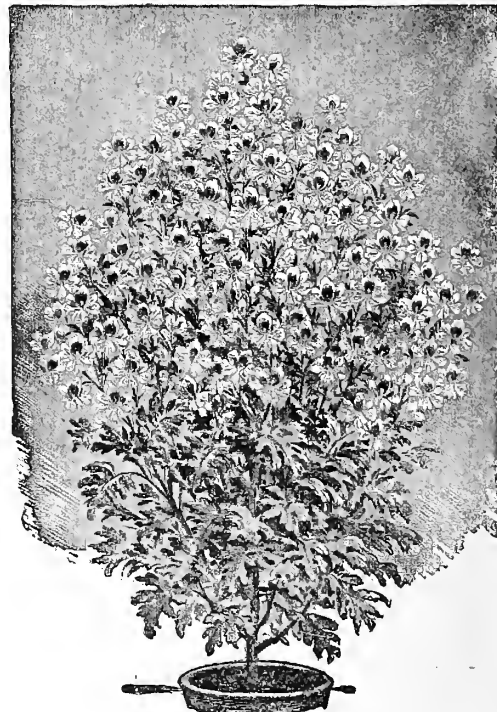
*Latifolia*. Splendid hardy perennial plants, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used for winter bouquets. Large deep-blue flowers; 1 foot .. .30 .10  
*Suworowi*. An annual variety, with pink flowers; 1 foot .. .30 .10  
*Suworowi Alba*. Long sprays of pure white flowers. .30

**STEVIA**

*Serrata*. Free blooming plants for summer or winter; bearing a profusion of fragrant white flowers; excellent for cutting; 2 feet. .... \$0.30 \$0.10

**STIPA (Ornamental Grass)—(See page 75)**

See pages 54 to 58 for valuable Novelties and Specialties in Flower Seeds.



Schizanthus—Wisetonensis

The stock is one of the most popular and bigly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

### MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
Blood Red	\$.40	\$.15	Rose Pink	\$.40	\$.15
Dark Blue	.40	.15	White	.40	.15
Flesh Pink	.40	.15	Mixed	.40	.15
Light Blue	.40	.15			

### MICHELL'S EARLY FLOWERING "NICE" STOCK

An early flowering strain of branching habit; remarkably free bloomer, producing an abundance of large, double fragrant flowers on a single plant; fine for garden bedding or cutting; especially desirable for use as a pot plant

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
Abundance. Dwarf, spreading habit; color carmine-rose	\$.40	\$.15			
Beauty of Nice. Charming delicate pink	.40	.15			
Crimson King. Deep red	.40	.15			
La Brilliance. Double, large flowers; rich brilliant crimson	.40	.15			
Midsummer Night. Deep, dark violet; large and double	.40	.15			
Mont Blanc. Pure white	.40	.15			
Queen Alexandra. Delicate lavender	.40	.15			
Choice Mixed. All colors	.40	.15			

### LARGE FLOWERED DWARF TEN-WEEK STOCK

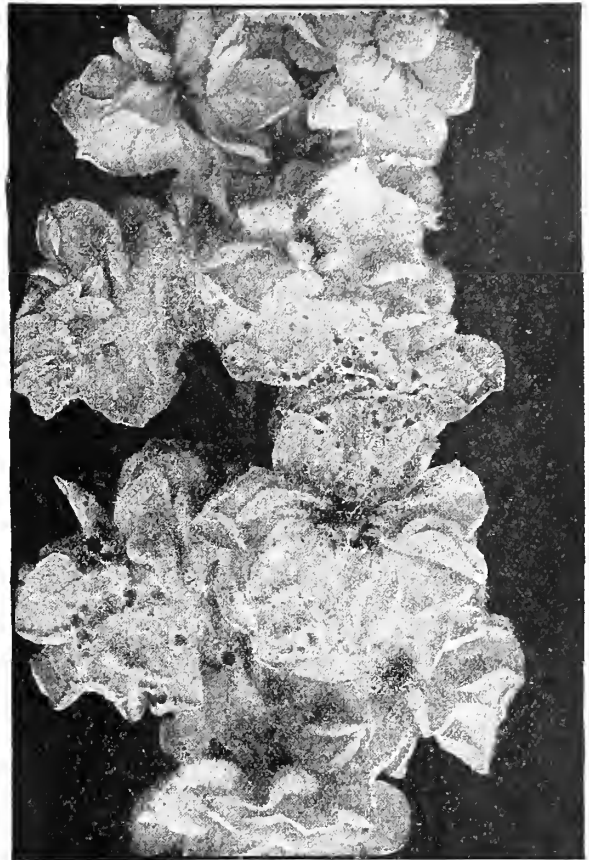
This is the leading variety for bedding out, for summer blooming; also fine for pots.

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
Blood Red	\$.30	\$.10	White	\$.30	\$.10
Light Blue	.30	.10	Yellow	.30	.10
Pink	.30	.10	Mixed	.30	.10
Purple	.30	.10			

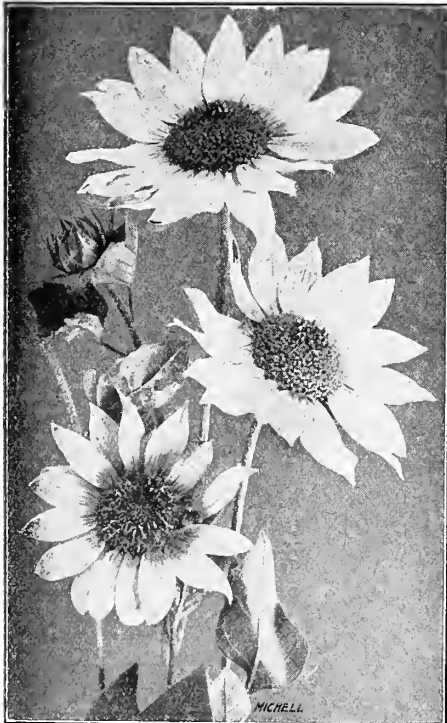
### VARIOUS STOCKS

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
Brompton or Winter. Fine for forcing under glass or early summer flowering outdoors				.40	.10
Princess Alice (Cut-and-Come-Again). Branching plants with double pure white flowers; fine for cutting				.40	.10
Virginian Mixed. Early free flowering annual; easily grown. Oz. 40c.				.20	.05

Ask for Cultural Leaflet No. 211 on the growing of Stocks.



Stocks—Michell's Flower Market



Sunflower Stella

### STOKESIA (Cornflower or Stokes' Aster)

Plants grow about 18 to 24 inches high, bearing freely from July to October handsome Centaurea-like blossoms, each measuring from 4 to 5 inches across; is of easy culture, and one of the most desirable plants for the hardy border; excellent for cutting.

	Large Pkt.	Pkt.
Cyanea. Lavender blue	\$.30	\$.10
Cyanea Alba. Pure white	.30	.10

### STRAWFLOWER. See Helichrysum

### SUNFLOWER (Helianthus)

Well known hardy annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

#### SMALL FLOWERED SORTS

	Large Pkt.	Pkt.
Cucumerifolius. Single yellow; 4 feet	oz., 50c. \$0.20	\$0.05
Cut-and-Come-Again. Single yellow flowers, with twisted petals	.30	.10
Dazzler (New). Plants branch freely; flowers large; color, rich chestnut, tipped orange, with darker centre; 3 to 4 feet.		.40
Starlight. Beautiful single canary-yellow flowers with twisted petals; 4 feet	.30	.10
Stella. Large, single yellow flowers with black centre	oz., 50c. .20	.05

#### LARGE FLOWERED SORTS

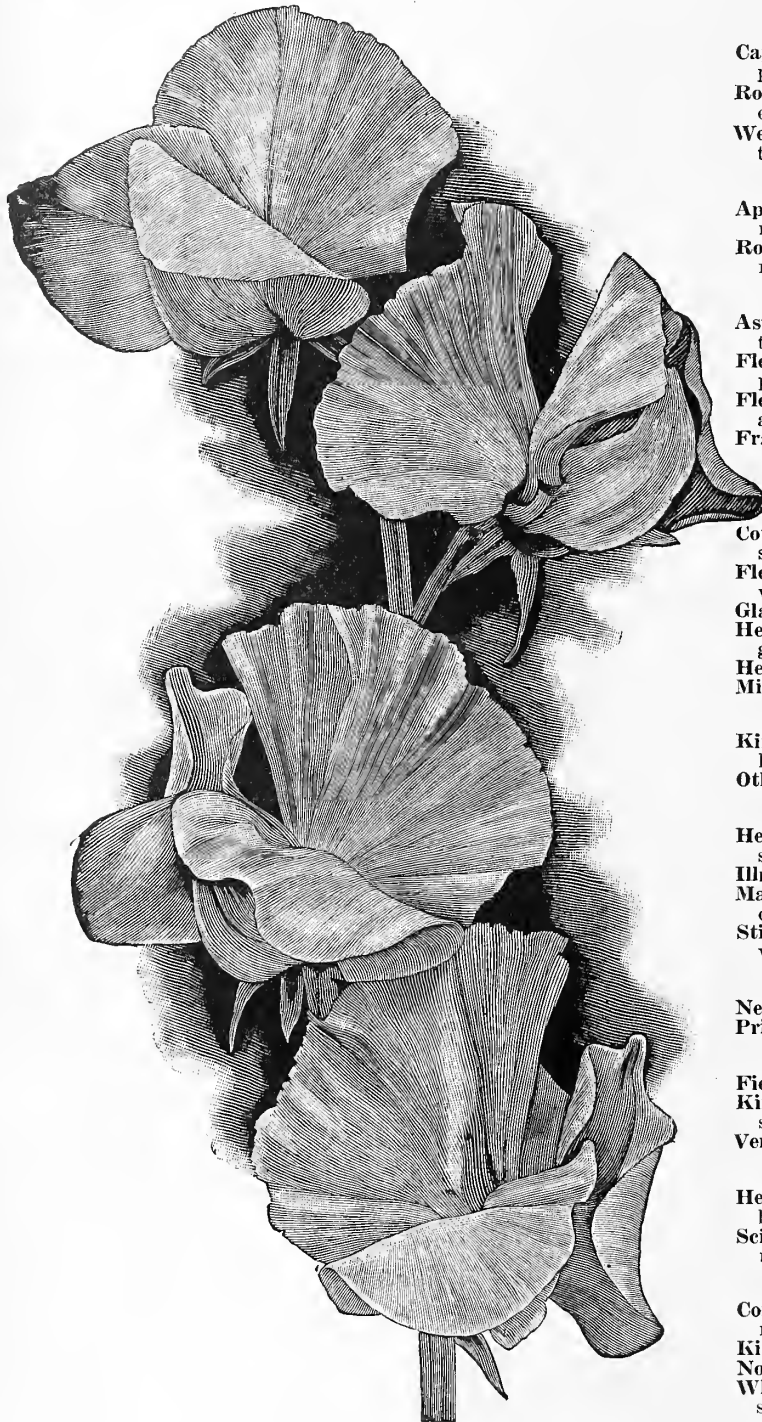
Chrysanthemum Flowered. Large double golden yellow flowers, resembling Chrysanthemums; 7 feet	oz., 40c. .20	.05
Double Globe. (Globosus Fistulosus). Large double yellow flowers; height 6 feet	oz., 35c. .20	.05
Dwarf Double. (Globe of Gold.) Yellow flowers; 3 feet	oz., 35c. .20	.05
New Red. Extra large flowers, some of which are rich chestnut red; others tipped with yellow	.25	.10
Oscar Wilde. Single yellow, black centre; 6 feet	oz., 40c. .20	.05
Russian Mammoth. Immense single yellow flowers on tall heavy stalks 6 feet	oz., 10c. .20	.05

#### PERENNIAL SORTS

Golden Bouquet. Showy garden flowers blooming the whole summer. Single yellow flowers; 5 feet	.30	.10
Choice Mixed. Single flowering, hardy perennial sorts; will bloom the first year if sown early	.40	.10

# 90 MICHELL'S SPENCER OR ORCHID SWEET PEAS

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. They are distinguished from the Grandiflora sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem. The plants are of robust growth and bear the flowers on long stems.



Sweet Pea, Countess Spencer

## NITROGEN-GATHERING BACTERIA

Ideal preparation for treating Sweet Peas Seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period.

Mulford's Culture. Per bottle, 25c. and 50c.

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

## BLUE AND PURPLE

	Pkt.	Oz.	¼ lb.	Lb.
<b>Captain of the Blues Spencer.</b> Standard purple; wings blue .....	\$0.10	\$0.35	\$1.00	\$3.50
<b>Royal Purple.</b> Rich purple, one of the finest varieties .....	.10	.40	1.25	4.00
<b>Wedgwood.</b> A lovely self-blue; a beautiful and popular color.....	.10	.40	1.25	4.00

## DEEP PINK OR ROSE

<b>Apple Blossom Spencer.</b> Standard light rose; wings primrose flushed rose.....	.10	.35	1.00	3.50
<b>Rosabelle.</b> A large and beautiful bright rose .....	.10	.35	1.00	3.50

## LAVENDER

<b>Asta Ohm Spencer.</b> Rich lavender; one of the best; flowers large .....	.10	.35	1.00	3.50
<b>Flora Norton Spencer.</b> Beautiful azure, or pale blue .....	.10	.35	1.00	3.50
<b>Florence Nightingale.</b> One of the largest and best lavenders .....	.10	.35	1.00	3.50
<b>Frank Dolby.</b> Light lavender.....	.10	.20	.60	2.25

## LIGHT PINK

<b>Blanche Ferry Spencer.</b> Large flowers; pink and white .....	.10	.35	1.00	3.50
<b>Countess Spencer.</b> A lovely clear pink, shading deeper at the edge .....	.10	.35	1.00	3.25
<b>Florence Morse Spencer.</b> Delicate blush, with deeper pink margin .....	.10	.35	1.00	3.50
<b>Gladys Unwin.</b> Delicate pink.....	.10	.20	.60	2.00
<b>Henrietta.</b> Light rose pink on a cream ground .....	.10	.60	2.00	6.25
<b>Hercules.</b> Giant pure pink.....	.10	.40	1.25	4.00
<b>Miriam Beaver.</b> Light apricot and buff... ..	.10	.35	1.00	3.50

## MAROON

<b>King Manoel.</b> Rich maroon or deep chocolate color .....	.10	.40	1.25	4.00
<b>Othello Spencer.</b> Deep maroon .....	.10	.35	1.00	3.50

## ORANGE AND SALMON

<b>Helen Lewis.</b> Orange pink; wings orange salmon .....	.10	.35	1.00	3.50
<b>Illuminator.</b> Rich salmon pink.....	.10	.40	1.25	4.00
<b>Margaret Atlee.</b> Light salmon pink on cream ground .....	.10	.40	1.25	4.25
<b>Stirling Stent.</b> Deep salmon, suffused with orange .....	.10	.60	2.00	6.25

## PRIMROSE OR LIGHT YELLOW

<b>New Buttercup.</b> Large; deep cream.....	.10	.60	2.00	6.25
<b>Primrose Spencer.</b> Light primrose yellow. .10	.35	1.00	3.50	

## SCARLET

<b>Fiery Cross.</b> Large; intense orange scarlet .....	.10	.75	2.25	7.50
<b>King Edward Spencer.</b> Rich, crimson scarlet; large .....	.10	.35	1.00	3.50
<b>Vermilion Brilliant.</b> Intense scarlet .....	.10	.40	1.25	4.00

## STRIPED AND FLAKED

<b>Helen Pierce Spencer.</b> White mottled light blue .....	.10	.40	1.25	4.00
<b>Scintillator.</b> Striped and flaked orange rose on a cream ground .....	.10	.60	2.00	6.25

## WHITE

<b>Constance Hinton.</b> One of the largest varieties; flowers white; black seeded.....	.10	.40	1.25	4.25
<b>King White.</b> Gigantic flowers; pure white .....	.10	.60	2.00	6.00
<b>Nora Unwin.</b> Large pure white.....	.10	.20	.60	2.00
<b>White Spencer.</b> Pure white and of large size .....	.10	.35	1.00	3.25

## MICHELL'S SUPERB SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proper proportions of bright colors and including a number of new hybrids of exquisite colors and shades. Per pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.25 per lb.

## SPECIAL COLLECTIONS OF SPENCER OR ORCHID SWEET PEAS

One pkt. each 6 named varieties our selection, 50c.  
One pkt. each 14 named varieties our selection, \$1.00.

## GRANDIFLORA VARIETIES

On account of the increased demand for the Spencer or Orchid Flowered varieties we have reduced our list of Grandifloras to a few of the very best sorts.

	Oz.	¼ Lb.	Lb.
Blanche Férry. Pink and white.....	\$.15	\$0.40	\$1.40
Dorothy Eckford. Large white .....	.15	.40	1.40
Flora Norton. Delicate lavender .....	.15	.40	1.40
Hon. Mrs. E. Kenyon. Primrose yellow ...	.15	.40	1.40
King Edward VII. Crimson scarlet .....	.15	.40	1.40
Lady Grisel Hamilton. Pale lavender .....	.15	.40	1.40
Lord Nelson. Rich navy blue .....	.15	.40	1.40
Lovely. Soft shell pink .....	.15	.40	1.40
Miss Wilmott. Deep orange pink .....	.15	.40	1.40
Othello. Dark maroon .....	.15	.40	1.40
Prima Donna. Lovely soft pink .....	.15	.40	1.40
Queen Alexandra. Scarlet .....	.15	.40	1.40

Price, any of the above Varieties, 5c. per packet.

### SPECIAL COLLECTIONS OF SWEET PEAS

One packet each 12 above named varieties .....	\$0.40
One ounce each 12 above named varieties .....	1.20

### MICHELL'S GILT EDGE MIXTURE

This mixture contains the Grandiflora or large flowering varieties, and represents almost every color and shade in Sweet Peas.

Price: 5c. per pkt.; per oz., 15c.; 40c. per ¼ lb.; per lb., \$1.25.

### DWARF CUPID VARIETIES MIXED

Compact plants growing 6 to 7 inches high and 12 to 15 inches in diameter, and from June until late summer are literally a sheet of bloom.

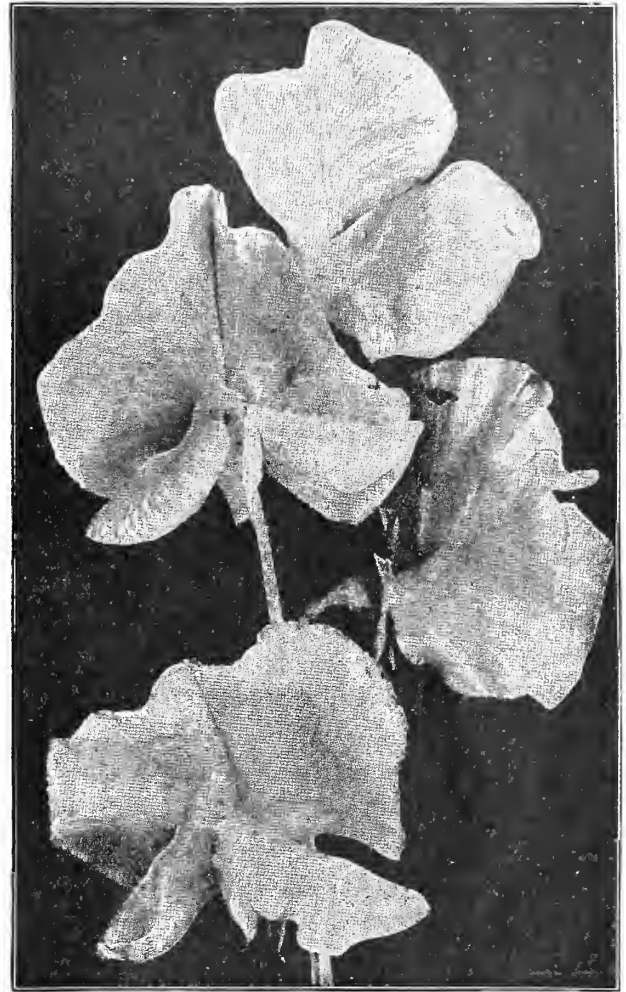
Price. 5c. per pkt.; per oz., 15c.; 50c. per ¼ lb.; per lb., \$1.50.

For Spencer or Orchid Flowered Sweet Peas see page 90

### EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

While the following varieties are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer or Orchid flowered type.

	Pkt.	Oz.	
Early Asta Ohn. Rich lavender .....	\$.15	\$1.25	
Early Heatherbell. Mauve lavender .....	.15	1.25	
Early Helen Lewis. Orange pink .....	.15	1.25	
Early Hercules. Soft rose pink .....	.15	1.25	
Early Lavender Nora .....	.15	.50	
Early Lavender Pink .....	.15	1.25	
Early Liberty. Deep sunproof crimson .....	.15	1.25	
Early Meadow Lark. Rich cream .....	.15	1.25	
Early Melody. Rose pink on white ground .....	.15	1.25	
Early Morning Star. Deep orange scarlet in standard, with rich, orange-pink wings .....	.15	1.25	
Early Mrs. A. A. Skaach. Clear, light pink .....	.15	1.25	
Early Mrs. M. Spanolin. Pure white .....	.15	1.25	
Early Mrs. William Sim. Salmon pink .....	.15	1.25	
Early Pink and White .....	.15	1.25	
Early Red Orchid .....	.15	1.25	
Early Rose Queen. Flowers are borne freely on long stems, are of large size, and usually four flowers are produced on a stem. Color a most attractive shade of pink .....	.50	4.00	
Early Sankey. Large white; black seeded .....	.15	1.25	
Early Snow Flake. Large pure white .....	.15	1.25	
Early Song Bird. Pale pink on white ground .....	.15	1.25	
Early Songster. Rich lavender .....	.15	1.25	
Early Spring Maid. Light pink on white ground ...	.15	1.25	
Early Venus. White, blushed pink .....	.15	1.25	
Early Warbler. Rich, mauve purple .....	.15	1.25	
Early Wedgwood. Lovely clear blue .....	.15	1.25	
Early White Orchid .....	.15	1.25	
Early Yarrowa. Flowers exquisitely waved, and of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings .....	.15	1.25	
Early Mixed Colors .....	.10	.75	



Winter Flowering Spencer or Orchid Sweet Pea

### WINTER FLOWERING GRANDIFLORA SWEET PEAS

The following varieties can be successfully grown outdoors in summer, but are especially desirable for forcing in greenhouse for winter blooming.

	Pkt.	Oz.	¼ Lb.
Christmas Meteor. Scarlet .....	\$0.10	\$0.20	\$0.60
" Pink. Pink and white .....	.10	.20	.60
" White (Florence Denzer) .....	.10	.20	.60
Earliest of All. Pink and white .....	.05	.20	.60
Le Marquis. Large dark blue .....	.10	.20	.60
Michell's Snowdrift. Pure white; black seeded; extra early .....	.10	.25	.75
Mrs. Alex. Wallace. Lavender .....	.10	.20	.60
Mrs. F. J. Delansky. Daybreak pink .....	.10	.20	.60
Mrs. William Sim. Salmon pink .....	.10	.20	.60
Mixed. Winter flowering .....	.10	.20	.60

### SWEET ROCKET (Hesperis)

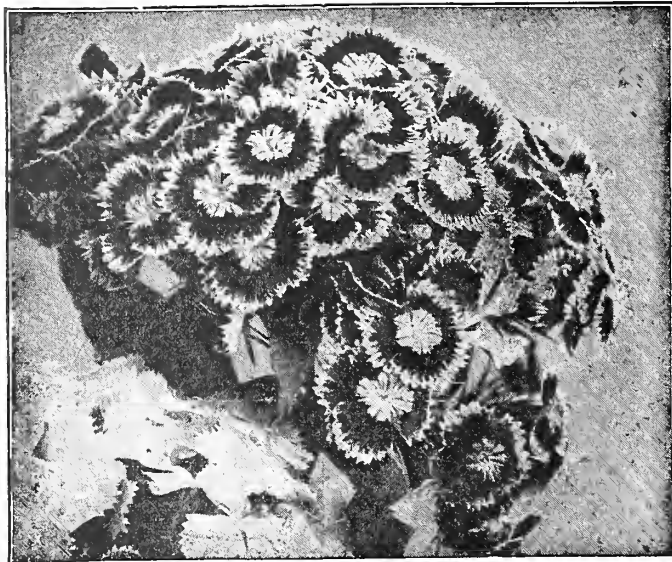
A desirable hardy plant; excellent for naturalizing among shrubbery or for planting in a permanent border.

Mixed. Fragrant white and purple flowers; perennial; 2 to 3 feet .....	Large pkt. Pkt.	
.....oz., 50c.	\$0.20	\$0.05

### SWEET SULTAN (Centaurea Moschata)

Hardy annual; fragrant flowers, resembling "Rachelor's Buttons."

Mixed Colors .....	Large pkt. Pkt.	
.....oz., 75c.	\$0.20	\$0.05



Single Sweet William

**SWEET WILLIAM (Dianthus Barbatus)**

This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

	Oz.	Large pkt.	Pkt.
Auricula Flowered. A beautiful class of "eyed" single varieties, all colors mixed	\$.75	\$0.20	\$0.05
Pink Beauty. An exceedingly pretty variety with beautiful salmon pink flowers		.40	.15
Scarlet Beauty. Rich deep scarlet variety		.40	.15
Single Crimson	.75	.20	.05
" Velvety Maroon	.75	.20	.05
" White	.75	.20	.05
" Mixed. All colors	.40	.20	.05
Double Mixed	.90	.20	.10

**THUNBERGIA (Black-Eyed Susan)**

Rapid growing annual climbers, making a pretty vine for trellises, fences, rockwork, etc.; also for window boxes, hanging baskets and vases; produces a profusion of pretty flowers.

Mixed. All colors	oz., 90c.	\$0.20	\$0.05
-------------------	-----------	--------	--------

**TORENIA**

Showy bedding plants, flowering profusely all summer; also fine for pots and baskets; height, 12 inches.

Fournieri Grandiflora. Sky-blue flowers, with dark blue spots and yellow throat	Large pkt.	Pkt.
	\$.50	\$0.10

**VALERIANA (Garden Heliotrope)**

Hardy perennial border plants; large fragrant flowers; the odor resembling that of the heliotrope; 2 to 3 feet.

Mixed Colors	Large pkt.	Pkt.
	\$.20	\$0.05

**VERONICA (Speedwell)**

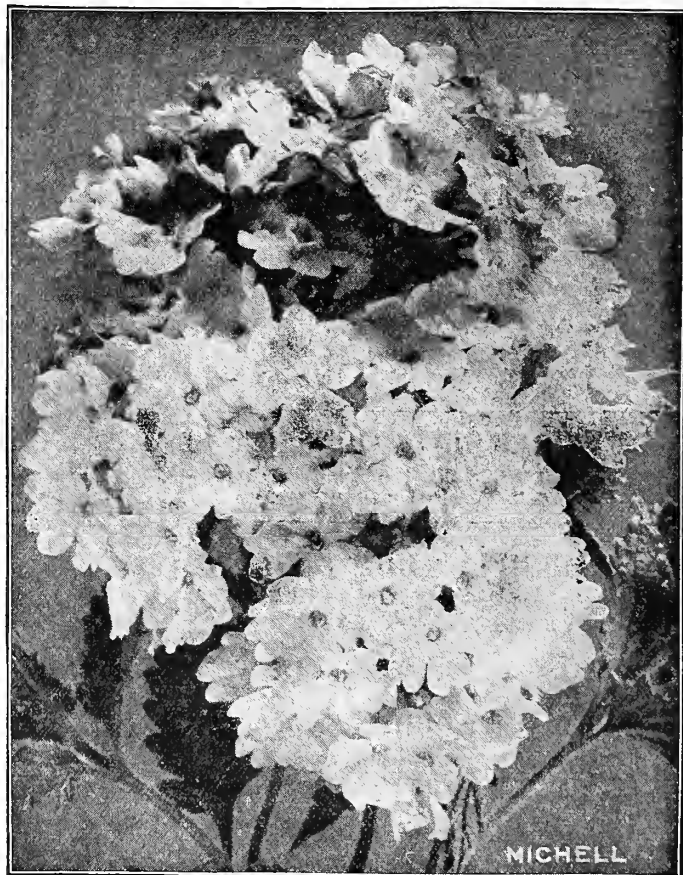
An elegant hardy perennial plant of easy culture and free-flowering habit; of value as a cut flower or for garden effect. Plants grow bushy and produce long spikes of flowers.

Spicata. Long spikes of bright blue flowers, 18 inches	Large pkt.	Pkt.
	\$.30	\$0.10

**VINCA (Madagascar Periwinkle)**

Dwarf bedding plants, easily raised from seed; deep green glossy foliage and bright single blossoms of striking beauty; also suitable for pot plants; sow early.

Alba. White with rose eye	Large pkt.	Pkt.
	\$.20	\$0.10
Alba Pura. Pure white		.20 .10
Rosea. Rose with dark eye		.20 .10
Mixed	oz., 90c.	.20 .10



Michell's Mammoth Fancy Verbena

**VERBENA**

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades.

	Oz.	Large pkt.	Pkt.
Michell's Mammoth Fancy Blue	\$2.00	\$0.40	\$0.10
" " " Pink	2.00	.40	.10
" " " Scarlet	2.00	.40	.10
" " " Striped	2.00	.40	.10
" " " White	2.00	.40	.10
" " " Mixed	1.50	.40	.10

Collection. One packet each of above 5 colors .40

Fine Mixed. All colors .90 .25 .05

Giant Flowered Mixed. A new variety of large size; flowers have extra large white eyes, making them very attractive .65 .15

Mammoth "Lucifer." A new variety of large size; color an intense deep cardinal scarlet throughout... .50 .15

Grandiflora Mammoth, Rose Queen. Flowers of a lovely delicate rose; very large, and a profuse bloomer; very early flowering .40

Grandiflora Mammoth, Scarlet Queen. Large flowering; color, a vivid scarlet, with a large and distinct white eye .40

Grandiflora Mammoth, Snow Queen. Pure snowy white; very large; profuse flowering .40

Lemon Scented (Aloysia Citriodora). An old favorite plant with delightful lemon-scented foliage; excellent for growing in the garden in summer and in pots in winter .50 .10

Ask for Cultural Leaflet No. 207 on the growing of Verbenas.





## VIOLA CORNUTA (Tufted Pansies)

These resemble pansies in shape and form, with the additional quality that they are of long stems, and appear uninter- ruptedly from early spring till snow flies.

Admiration. Dark blue	.....	Large pkt.	Pkt.
		\$0.50	\$0.10
Mauve Queen. Lovely mauve color	.....	.50	.10
Perfection. Light blue	.....	.50	.10
White Perfection. Large white	.....	.50	.10
Mixed. All colors	.....	.40	.10

## VIOLA (Scotch Bedding Pansies)

These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the Viola Cornuta

Golden Gem. Yellow	.....	Large pkt.	Pkt.
		\$0.50	\$0.15
Lutea Splendens. Rich golden yellow	.....	.40	.10
Snowflake. Pure white	.....	.50	.15
Mixed. From the best named Scotch varieties	.....	.65	.25

## VIOLET—Sweet Scented (Viola Odorata)

Single Blue Czar. Dark blue	.....	Large pkt.	Pkt.
		\$0.40	\$0.10

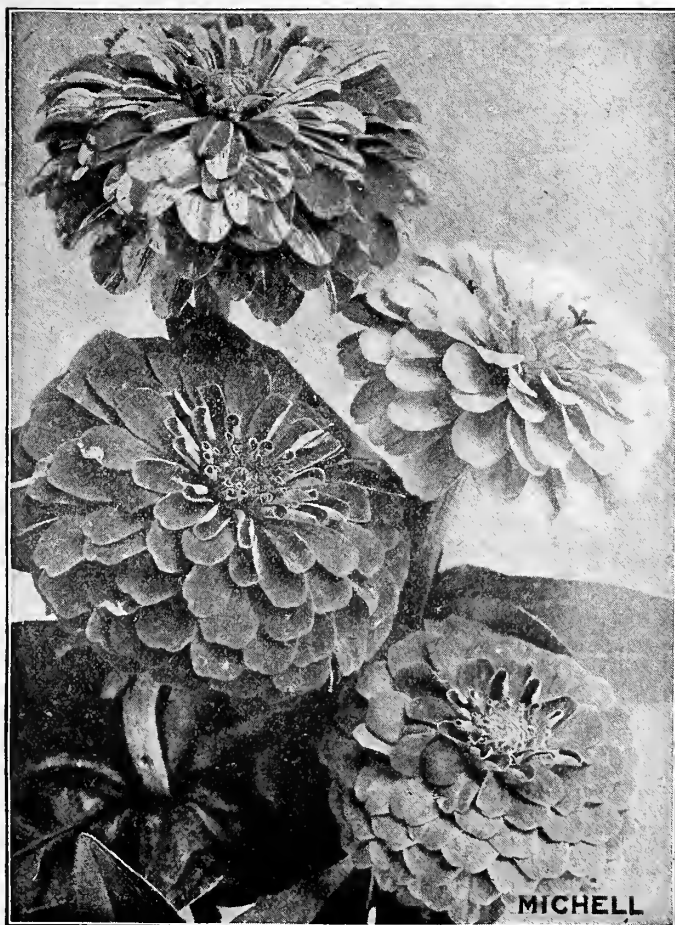
## WALLFLOWER

Half-hardy perennials of delicious fragrance. They should be protected in a cold frame in the winter and planted out in the spring; 2 feet.

Double Brown	.....	Large pkt.	Pkt.
		\$0.50	\$0.10
“ Yellow	.....	.50	.10
“ Mixed. All colors	.....	.50	.10
Single Mixed	.....	oz., 40c.	.20
Imported Collection. 6 double varieties	.....		.50
Imported Collection. 6 single varieties	.....		.40

Paris Extra Early. A single-flowering variety, which may be treated as an annual, flowering the first year from seed; 1½ feet.

Paris Extra Early Blood Red	.....	Large pkt.	Pkt.
		\$0.20	\$0.10
Paris Extra Early Yellow	.....	.20	.10
Paris Extra Early Mixed. All colors	.....	oz., 60c.	.20



New Giant Robusta Zinnias

## XERANTHEMUM (Everlasting Flower)

Double Mixed. Showing hardy annual of easy culture	.....	Large pkt.	Pkt.
producing a profusion of flowers; excellent for winter			
bouquets	.....	\$0.20	\$0.05

## MICHELL'S DISTINCTIVE ZINNIAS

(Youth and Old Age)

One of the most popular of our hardy annuals, for beds, mixed borders and for cutting purposes; easy to grow, in any good garden soil. They commence flowering early in the summer and continue until frost.

## DWARF DOUBLE ZINNIAS

Compact bushes not over two feet in height, with large double flowers.	.....	Oz.	Large pkt.	Pkt.
Crimson	.....	\$0.75	\$0.20	\$0.05
Pink	.....	.75	.20	.05
Salmon Rose	.....	.75	.20	.05
Scarlet	.....	.75	.20	.05
White	.....	.75	.20	.05
Yellow	.....	.75	.20	.05
Mixed	.....	.50	.20	.05
Collection, one packet each above 6 colors	.....			.25

## ROBUSTA OR GIANT DOUBLE ZINNIAS

Plants grow to a height of 2½ to 3 feet with immense perfectly double flowers; splendid for cutting or garden effect.

	.....	Oz.	Large pkt.	Pkt.
Crimson	.....	\$1.50	\$0.40	\$0.15
Flesh Color	.....	1.50	.40	.15
Golden Yellow	.....	1.50	.40	.15
Purple	.....	1.50	.40	.15
Scarlet	.....	1.50	.40	.15
Sulphur Yellow	.....	1.50	.40	.15
Violet	.....	1.50	.40	.15
White	.....	1.50	.40	.15
Mixed	.....	1.00	.25	.10
Collection, one packet each above 8 colors	.....			1.00

## TALL DOUBLE ZINNIAS

Flowers of good size; height, 2½ feet.

	.....	Oz.	Large pkt.	Pkt.
Crimson	.....	\$0.75	\$0.20	\$0.05
Pink	.....	.75	.20	.05
Orange	.....	.75	.20	.05
Scarlet	.....	.75	.20	.05
White	.....	.75	.20	.05
Yellow	.....	.75	.20	.05
Mixed	.....	.50	.20	.05
Collection, one packet each above 6 colors	.....			.25

## VARIOUS ZINNIAS

	.....	Oz.	Large pkt.	Pkt.
Curled and Crested. Large double flowers; petals twisted and curled; mixed colors; 1½ feet	.....	\$0.75	\$0.20	\$0.10
Giant Picotee. Mixed colors. A new and distinct class; large double flowers, of many colors and shades.	.....		.65	.25
Giant Rose King. A new variety of the Robusta or Giant type; flowers double of immense size; color, a beautiful carmine rose	.....			.40
Red Riding Hood. Plants compact; and covered the entire season with miniature double flowers; intense scarlet; 1 foot	.....	1.00	.25	.10
Zebra or Striped. Large double flowers; striped and spotted; 2 feet	.....	.75	.20	.10
Ask for Cultural Leaflet No. 208 on the growing of Zinnias.				

## MIXED FLOWER SEEDS FOR WILD GARDEN

This mixture embraces a large number of varieties of easy-growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Price: Pkt., 5c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

## PERENNIAL FLOWER GARDEN MIXTURE

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many hundred varieties of the choicest old-fashioned flowers. Pkt., 10c.; 40c. per oz.; per ¼ lb., \$1.25.

**PLEASE NOTE.**—In this catalogue we have arranged the items referred to above in order alphabetically, as follows: Summer Flowering Plants, pages 94 to 96; Summer Flowering Bulbs, pages 97 to 108.

All plants and bulbs are shipped at purchaser's expense unless otherwise specified. **NO PLANTS SHIPPED C. O. D.**

Most of this stock is grown by ourselves, the balance for us by specialists, and are thrifty specimens which will give fine results. The stock offered on pages 94 to 108, with the exception of lilies, is **not hardy**, being for the one season's display only with the exceptions of a few. Summer flowering plants cannot be mailed, as we send out strong specimens, which travel best by express.

## SUMMER FLOWERING PLANTS

### ABUTILON (Bell Flower)

Splendid plants to be used in individual beds or around a bed of Cannas or other taller growing plants.

We offer these in mixed colors only, embracing white, yellow and red. Strong plants, 3-inch pots, 25c. each; doz., \$2.75; \$20.00 per 100.

### ALYSSUM

**Little Gem.** Pure white flowers, dwarf compact plant; desirable for edging, flowering all season; 6 inches high, 3-inch pot-plants, 15c. each; \$1.50 doz.; \$9.00 per 100.

**Sweet.** For window boxes or baskets. 15c. each; \$1.50 doz.; \$9.00 per 100.

### ANTIRRHINUM (Snapdragon)

A very effective plant for massive bedding or border planting, also much used in Italian Gardens. If flowers are cut off after blooming they will continue until frost. In separate colors as follows:

**Giant White, Pink, Yellow and Scarlet.** Extra strong. 3-inch pot-plants, 25c. each; doz., \$2.50; \$17.50 per 100.

### ACALYPHA

**Macafeana.** Plants growing 2 feet high, with beautiful red and bronze foliage, showing up well against a green background of cannas, caladiums or ricinus. Extra strong plants, 3-inch pots, 25c. each; doz., \$2.00; \$12.50 per 100.

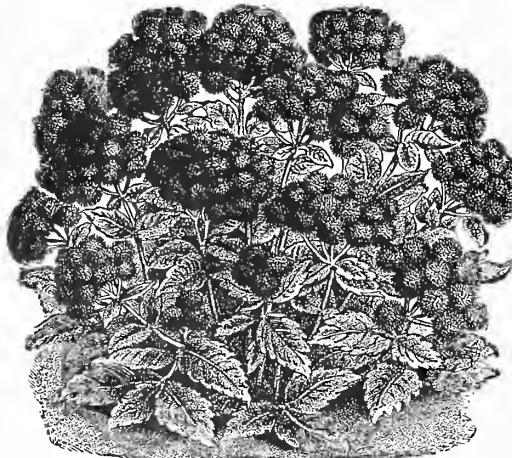
### ACHYRANTHES

Excellent for edging beds of various kinds; make a fine show against a green or yellow background; grow about 12 inches high; very compact.

**Brilliantissima.** Crimson foliage; very bright.

Extra strong plants, 3-inch pots, 20c. each; doz., \$1.50; \$10.00 per 100.

### AGERATUM (Floss Flower)



Ageratum, Blue Perfection

These are one of the freest of flowering annuals and can be adapted to many purposes. As an edging in a garden border few plants surpass it. Flower heads very large. Plants 10 inches high; ideal for massive bedding or edging.

**Blue Perfection.** 3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

### ALTERNANTHERA

Used principally for carpet bedding effects and edgings; fine for working out designs; of very dwarf growth; 4 inches high.

**Aurea Nana.** Green and yellow; mottled foliage.

**Brilliantissima.** Red, with a slight trace of green.

3-inch pot-plants, 20c. each; doz., \$2.00; \$10.00 per 100.

### ASTERS (Giant Branching)

We grow a large stock in separate colors, Pink, Scarlet, White and Blue. Extra strong 3-inch pot-plants, 12c. each; doz., \$1.25; \$8.00 per 100.

### BEGONIAS (Fibrous Rooted)

**Erfordi.** Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. 3-inch pot-plants, 20c. each; doz., \$2.00; \$15.00 per 100.

**Gracilis Luminosa.** A splendid edging variety with bronzy red foliage and brilliant coppery scarlet flowers, very free blooming, of same habit as Vernon. 3-inch pot-plants, 20c. each; \$2.00 doz.; per 100, \$15.00.

**Vernon.** Bright red flowers, compact dwarf plant, one of the best and most effective bedding plants either for edging or massive bedding, 3-inch pot-plants, 20c. each; \$2.00 doz.; \$15.00 per 100.

(For Bulbs of Begonias see Page 97.)



Antirrhinums

### CALENDULA (Pot Marigold)

These somewhat resemble a double daisy, are fine for cutting, border planting or as a background.

**Orange King.** Very deep orange.

3-inch pot-plants, 20c. each; doz., \$2.00; \$12.00 per 100.

### CENTAUREA

**Gymnocarpa.** Broad silvery foliage, for edging flower beds.

3-inch pot-plants, 20c. each; doz., \$1.50; \$10.00 per 100.

**Cyanus Double Blue.** The favorite boutonniere of the business man, rich bright blue; get a dozen plants for your garden. 3-inch pot-plants, 20c. each; doz., \$1.50; 100, \$10.00.

### COLEUS

The popular bedding plant so commonly used for edging canna and geranium beds, making an effective show till frost.

**Verschaffelti.** Dark crimson foliage.

**Golden Bedder.** Rich canary yellow.

**Queen Victoria.** Red, with yellow edge.

3-inch pot-plants, 15c. each; \$1.50 per doz.; per 100, \$10.00.

**COSMOS**

Michell's Giant Flowering Strain, producing enormous long-stemmed flowers late in the autumn.

**Pink, White, Red**, each color separate. 3-inch pot-plants, 10c. each; doz., \$1.00; \$7.00 per 100.

**DAHLIA ROOTS AND PLANTS**

See pages 102 to 106.

**DAISY**

These are especially desirable for early spring bedding before it is possible to set out most other plants. Intermingled with Pansies and Forget-Me-Nots (the latter being set out at the same time), they form an attractive combination.

**Giant Flowering English, Pink, White, Red**, each separate, 10c. each; \$1.00 per doz.; per 100, \$7.50.

**DRACAENA (Fountain Plant)**

**Indivisa**. Attractive, used as a centrepiece for a round bed, urn or vase and in cemetery work. Strong plants; 6-inch pot-plants, \$1.00 each; doz., \$10.00.

**FUCHSIA (Lady's Ear Drop)**

The pretty bell flowers, both single and double, appear abundantly. The plants should be set in a semi-shaded location.

Choice named sorts in mixture. 3-inch pots, 25c. each; doz., \$2.50; 100, \$17.50.

**GERANIUMS**

Our stock of these is in 4-inch pots, very bushy, well shaped, carefully grown.

**Alphonse Ricard**. Bright scarlet, double.

**Beaute Poitevine**. Salmon pink, very double.

**Helen Michell**. Bright rich scarlet, gigantic flower; to date the very best of its color. 35c. each; doz., \$3.50; \$25.00 per 100.

**La Favorite**. Double, pure white.

**Mrs. E. G. Hill**. Soft salmon pink, single flowers.

**S. A. Nutt**. Rich crimson, double.

Price (except where noted) of any of the above Geraniums, extra fine stock, 4-inch pots, 30c. each; doz., \$2.75; \$20.00 per 100.

**GLADIOLUS (See pages 107 and 108)**

**HELIOTROPE**

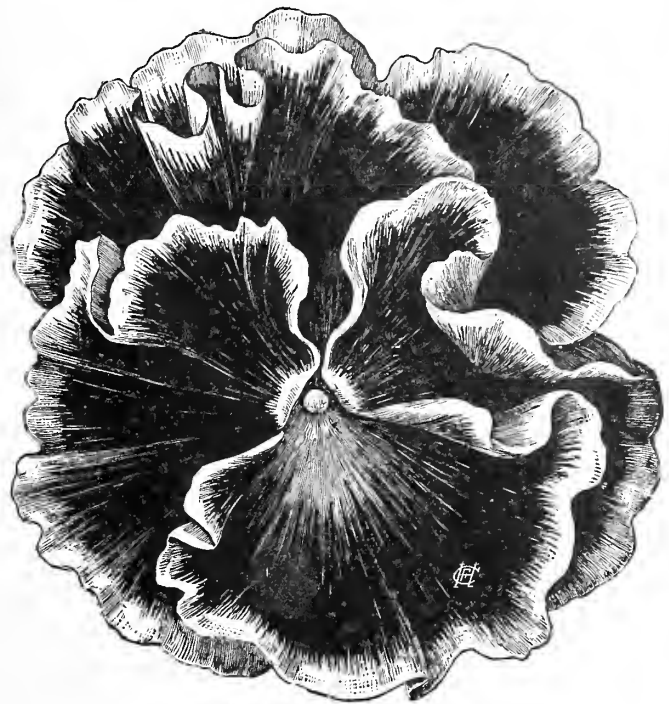
This plant bears a mass of flowers all summer; the fragrance cannot be approached by any other annual plant.

**Centefleur**. Large trusses of rich deep violet blue.

4-inch pot-plants, 25c. each; doz., \$2.50; 100, \$18.00.



Geranium "Helen Michell"



Michell's Giant Pansy

**HYDRANGEAS (See pages 132 and 133)**

**IVY (Parlor)**

Fine for window boxes, hanging baskets, etc.; green foliage; 3-inch pots. 20c. each; doz., \$1.50; \$10.00 per 100.

**LANTANA**

Excellent bedding plants, thriving best in the full sun; shades of orange and yellow, so effective in bedding.

**Radiation**. Brilliant red with orange yellow centre. 3-inch pot-plants. 20c. each; doz., \$2.00; \$15.00 per 100.

**LOBELIA**

Blue flowering plant, for edging and hanging baskets; when ordering, state purpose for which they are desired.

**Compacta**. For bedding, edging, etc. 3-inch pot-plants.

**Speciosa**. Trailing variety for baskets, urns, etc.

Price of either of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

**LEMON VERBENA**

(Aloysia Citriodora.)

Pointed green lemon-scented foliage, fine for mixing among cut flowers; as a winter house plant these are also very satisfactory. 3-inch pots. 25c. each; doz., \$2.50; \$17.50 per 100.

**MARIGOLD**

These are favorites in all old-fashioned gardens, in bloom from early summer until frost. Grown from selected Scotch seed, flowers grow to enormous size.

**Lemon Queen**. } 20c. each; doz., \$1.75; \$12.00 per 100.  
**Orange King**. }

**MYOSOTIS**

Ready after April 10th. Stock usually exhausted May 15th.

**Alpestris Victoria**. Dwarf blue.

15c. each; doz., \$1.50; \$10.00 per 100.

**PANSIES**

Michell's Giant Exhibition Strain. It has often been remarked by customers that nowhere else can our Pansies be equalled for size of bloom and rich colors. Fine large plants in bud and bloom in mixed colors only; ready after April 1st. \$1.35 per doz.; 25 for \$2.50; \$10.00 per 100. Stock usually exhausted after May 15th.



Phlox Drummondii

### PETUNIAS

Of the annual flowers, this is probably the most universally used; it can be put to a variety of uses, for hedging, baskets, window boxes or urns; they flower continuously.

**Giant Single Strain.** In mixed colors. 3-inch pot-plants, 25c. each; doz., \$2.00; \$15.00 per 100.

**Double Petunias** in choice mixed colors. 3-inch pot-plants, 25c. each; doz., \$2.75; \$17.50 per 100.

### PHLOX DRUMMONDI

These are a splendid bedding or border plant.

**Dwarf.** Red, White, Pink, each separate. 3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

### PYRETHRUM

For edging flower beds and borders; very attractive.

**Aureum.** Fine light yellow foliage. 3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

### VERBENAS

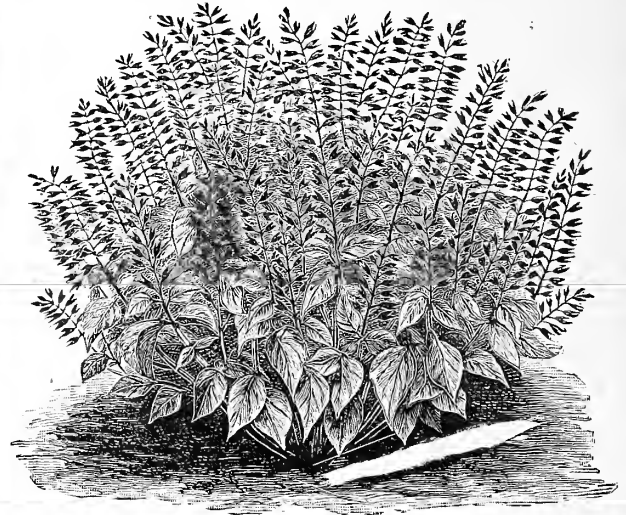
#### MICHELL'S MAMMOTH FANCY STRAIN

Used for edging borders, or for window boxes and vases.

In separate colors, **Pink, White, Scarlet, Purple.** 20c. each; doz., \$1.75; \$12.00 per 100.

### ZINNIAS

**Micell's Giant Robusta Strain,** in mixed colors. Pot-plants, 20c. each; doz., \$1.75; \$12.00 per 100.



Salvia Bonfire

### SALVIA (Scarlet Sage)

No show of flowers can equal that produced by Scarlet Sage; it makes a blaze of color when massed or planted in beds that can be recognized at a great distance.

**Bonfire.** The best dwarf bedding variety. Strong pot-plants, 25c. each; doz., \$2.50; \$17.50 per 100.

### STOCKS (Gilliflower) 10 Weeks

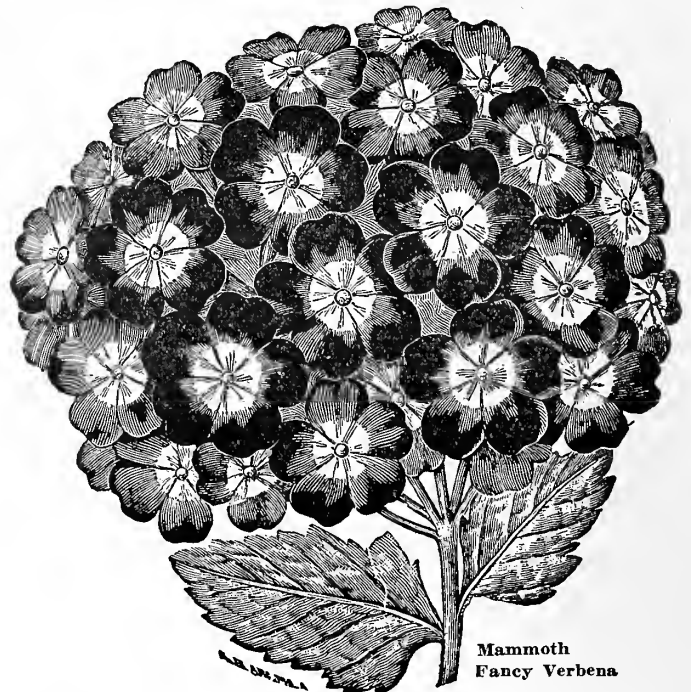
Sweet-scented flowers, which are fine for cutting, or as a bed or border plant they are splendid.

**Double Pink, White, Blue and Red.** In separate colors. 4-inch pot-plants, 25c. each; doz., \$2.50; \$17.50 per 100.

### VINCA

**Rosea.** This is the flowering type used for hedging or vases; a bed or border planted with these is a beautiful sight; for either full sun or in partial shade they are well adapted. **Pink, White, White with Pink Eye,** each color separate. Pot-plants, 25c. each; doz., \$2.50; \$17.50 per 100.

**Major Variegata.** A trailing plant used for hanging baskets and window boxes; green foliage mottled white. Extra strong pot-plants, 30c. each; doz., \$3.00; 100, \$22.50.

Mammoth  
Fancy Verbena

## AMARYLLIS

For a practical showy house plant there is nothing of easier culture than these gorgeous lily-like flowers. Once potted they can remain in the same pot for years, the number of flowers increasing each year.

**Cultural Directions:** Place bulbs, on receipt, in damp moss in temperature of 60 degrees and allow the flowering shoot to appear before the bulb is potted. When the plant is in progress of blooming water freely, other times sparingly.

**Belladonna.** A beautiful bright pink. 40c. each; doz., \$4.00; \$30.00 per 100.

**Formosissima.** Crimson. 25c. each; per doz., \$2.50; \$17.50 per 100.

**Hybrids of Vittata.** Beautiful species; flowers striped and flaked. 75c. each; per doz., \$7.50.

**Johnsoni.** A very large crimson flower, striped white. This variety is the best of the every day sorts, the flower is very showy. Every collection of Amaryllis should include this one. Mammoth bulbs, 75c. each; per doz., \$7.50. Large bulbs, 50c. each; per doz., \$5.00.

## BEGONIAS (Tuberous Rooted)

There is hardly a single garden in which there are not semi or entirely shaded spots; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June until frost. The bright flowers contrast well with the deep-colored foliage. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

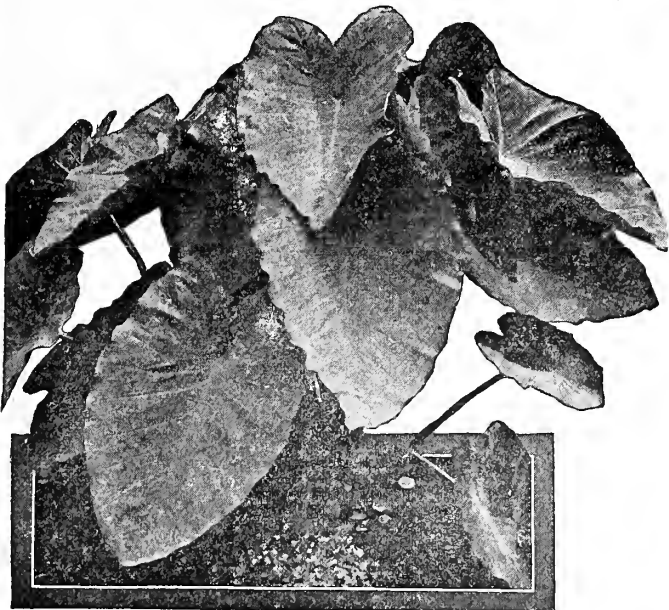
### SINGLE BEGONIAS

	Each	Doz.	100		Each	Doz.	100
<b>Crimson</b> .....	\$0.25	\$2.50	\$15.00	<b>Scarlet</b> .....	\$0.25	\$2.50	\$15.00
<b>Orange</b> .....	.25	2.50	15.00	<b>White</b> .....	.25	2.50	15.00
<b>Pink</b> .....	.25	2.50	15.00	<b>Yellow</b> .....	.25	2.50	15.00
<b>Mixed</b> .....					.25	2.50	15.00
<b>Double, in separate colors as above</b> ..					.25	2.75	17.50
<b>Double Mixed, all colors</b> .....					.25	2.75	17.50

## CALLAS

Splendid as a pot-plant for the window garden or for growing outdoors, preferring a shaded location. May be started inside any time prior to May 1st, after which they can be safely planted out.

	Each	Doz.	100
<b>Elliottiana.</b> Yellow flower as large as the Common White Calla; spotted leaf .....	\$0.35	\$3.75	\$25.00



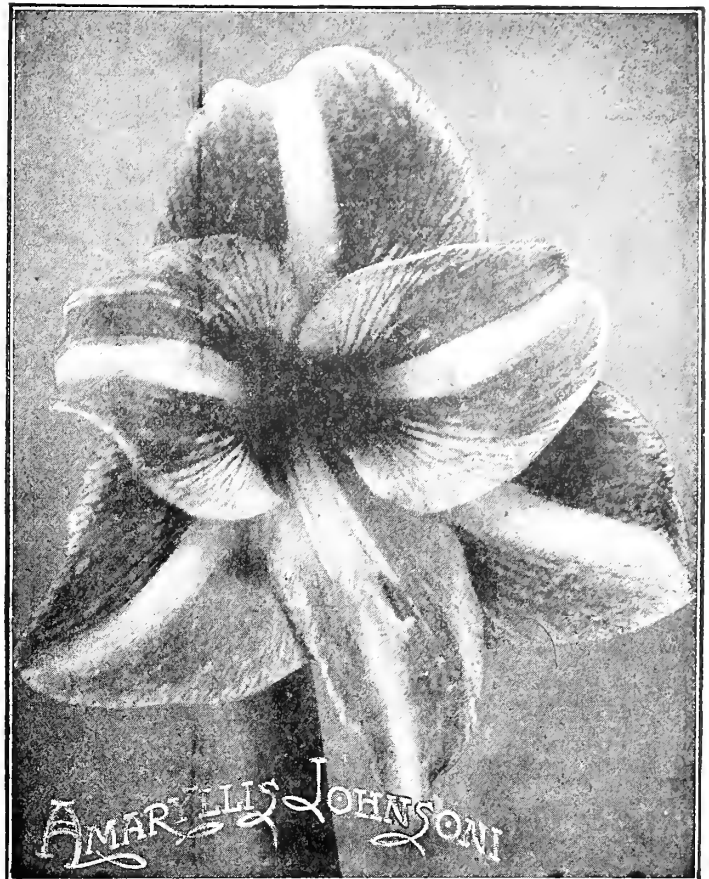
Caladium Esculentum

## CALADIUM ESCULENTUM (Elephant's Ear)

As centrepieces in flower beds Caladiums are fine. They make an excellent edging for tall-growing plants. When planted in a bed alone, a border of Scarlet Sage makes a beautiful contrast. Do not plant outdoors until after May 1st; but to get them in early growth, they may be started indoors.

	Each	Doz.	100
<b>Monster Bulbs, 12-14 in. cir.</b> .....	\$0.50	\$5.00	\$30.00
<b>Mammoth Bulbs, 9-11 in. cir.</b> .....	.30	3.00	20.00
<b>First Size Bulbs, 7-9 in. cir.</b> .....	.20	2.00	15.00
<b>Second Size Bulbs, 5-7 in. cir.</b> .....	.15	1.50	10.00

If wanted by mail add 5c. to the price of single bulbs.



## CALADIUM (Fancy Leaved)

Charming conservatory plants. Being of tropical nature they like a warm temperature. They do quite well outdoors during the summer, if planted in a sheltered, shaded place. The foliage covers a wide range of colors, and makes a grand display. The bulbs should be started in moss with plenty of bottom heat.

**Charles Simpson.** Bluish green, spotted red, creamy white ribs.

**Coimbra.** White suffused green, red veins and ribs.

**Frances M. Laughlin.** Transparent rose centre, yellowish zone, green border.

**Jacupiranga.** Transparent white with green veins.

**Jupiter.** Red centre, green border, spotted white.

**Leopold Robert.** Deep red crimson ribs, green border.

**Lord Derby.** Rose, green ribs and veins.

**Macache.** Variable, green suffused pink, with red ribs.

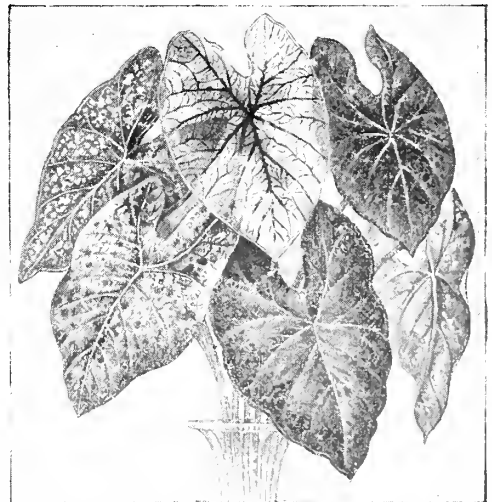
**Prince Albert Edward.** Red, suffused pink, green border.

**Pufomayo.** Pink, spotted strawberry red, very beautiful.

**Shellpink.** Centre shell pink, deep red veins, white border.

**Silver Queen.** Pure white, almost transparent like glass.

Any of the named sorts, 30c. each; doz., \$3.00; 100, \$20.00.



Fancy Leaved Caladium

Six Bulbs of a Variety at dozen rate; 25 at 100 rate.

(oe)

**Special Notice.**—While we aim to make one shipment of seeds, plants and bulbs ordered at one time, this is not always possible. Customers will please understand when separate shipments are made, it is in their interest to do so.

### ISMENE CALATHINA (Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer, flowers a beautiful waxy white and deliciously fragrant. Large bulbs, 25c. each; doz., \$2.50; \$15.00 per 100. Parcel Post Weight, 2 lbs. per doz.

### OXALIS (Summer Blooming)

Splendid border plants around flower or foliage plant beds.  
**Deppii.** White, small flowers.  
**Lasiandra.** Pink flowers. Either of the above 2c. each; doz., 20c.; \$1.25 per 100.

### SUMMER HYACINTH (Hyacinthus Candicans)

In July and August they produce spikes about two feet long, which are covered with bell-shaped white flowers. Large bulbs, 10c. each; doz., \$1.00; \$6.00 per 100. Parcel Post Weight, 2 lbs. per doz.

### LYCORIS SQUAMIGERA (Amaryllis Hallii) THE MAGIC LILY OF JAPAN

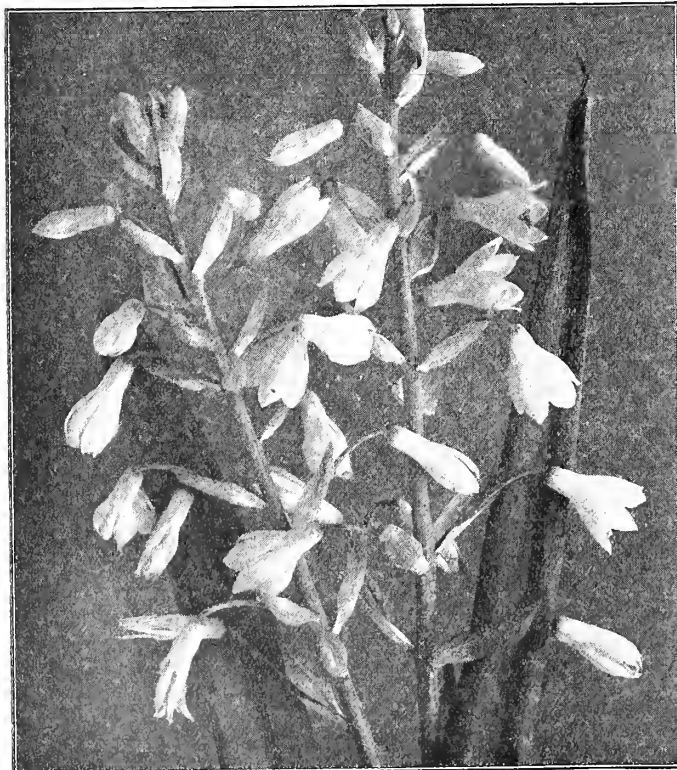
A perfectly hardy Amaryllis bearing beautiful pink flowers. Produces in early spring attractive green foliage, which grows until July, when it ripens off and disappears, and anyone not familiar with its habits would think the bulb had died; but about a month later, as if by magic, the flower-stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink, shaded with clear blue. As the bulb is perfectly hardy without any protection, it can be planted either in the fall or spring; but we consider the spring the best time, as the bulbs will have splendid chance to get established before flowering time. Cover the crowns about four inches. As a subject for the hardy border or for planting among shrubbery, this is a most excellent subject, and should be more generally grown. Strong-flowering bulbs, 30c. each, \$3.00 per dozen; \$22.00 per 100.



Ismene Calathina

### MILLA BIFLORA (Mexican Star Flower)

A beautiful summer-blooming bulb for sunny positions. A row or bed of them is always in flower after the middle of summer and very attractive. Flowers star-shaped, 1½ inches across, clear, waxy white, of great substance, enlivened by a frost-like sparkle; the fragrance is delightful. Place a stalk in water and the flowers will all open; we have seen eleven stalks shoot up successively from one bulb. The bulbs flower profusely and with great certainty. Height 12 to 18 inches. 10c. each; 75c. per dozen; \$5.00 per 100.



Summer Hyacinth (Hyacinthus Candicans)

### TUBEROSES

Beautiful pure white flowers appearing in August, of wonderful fragrance.

**Double Pearl.** Pure white. 7c. each; doz., 75c.; 100, \$5.00.

**Double Pearl.** Mammoth bulbs. 10c. each; doz., \$1.00; \$6.00 per 100.

Single bulbs mailed free, add 10c. per doz. for mailing larger quantities.

### ZEPHYRANTHES

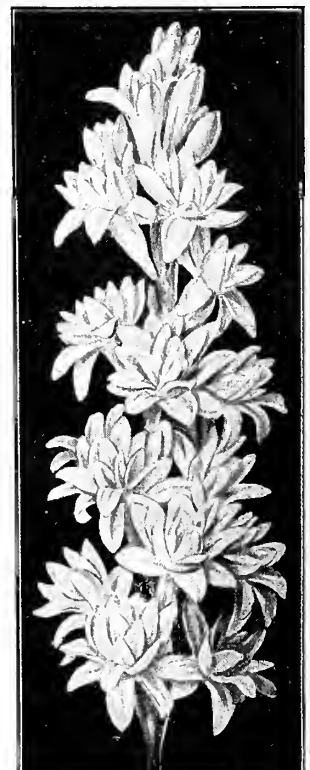
#### (Fairy Lily)

A splendid pot plant for winter, of easiest culture. Planted outdoors in May, they flower the entire season. Each Doz.

**Treatea Rosea.** Pink  
(Per 100, \$10.00) .. \$0.15 \$1.50

**Treatea Alba.** White  
(Per 100, \$5.00) ... .10 .75

Don't fail to consult  
our Color Plates of  
Dahlias, Cannas, Glad-  
iolus, etc.



Pearl Tuberose

**JAPANESE LILIES**

**Auratum** (Golden Banded Lily from Japan). Enormous; measuring frequently 8 to 12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. Flowers in August, delightfully fragrant; a single stem produces on an average from 8 to 15 flowers.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum. ....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum. ....	.45	4.75	35.00
Monster Bulbs, 11 to 13 inch circum. ....	.75	7.50	55.00

**Melpomene** (Japan). Rich deep pink, spotted dark red; free blooming and robust in growth; very fragrant; height, 3½ feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum. ....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum. ....	.45	4.75	35.00
Monster Bulbs, 11 to 13 inch circum. ....	.75	7.50	55.00

**Speciosum Album** (Japan Lily). The best late flowering pure white hardy garden lily; of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stems; height, 4 feet; blooms August and September.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum. ....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum. ....	.45	4.75	35.00

**Speciosum Magnificum** (Japan). An enormous flower, rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album"; height, 3 feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum. ....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum. ....	.45	4.75	35.00
Monster Bulbs, 11 to 13 inch circum. ....	.75	7.50	55.00

**Speciosum Rubrum or Roseum** (Japan). Delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height, 3 feet; flowers in August and September.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum. ....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum. ....	.45	4.75	35.00
Monster Bulbs, 11 to 13 inch circum. ....	.75	7.50	55.00

**MISCELLANEOUS JAPANESE LILIES**

	Each	Doz.
<b>Batemanni.</b> Apricot colored, 3 feet, July .....	\$0.75	\$7.50
<b>Brownii.</b> Pure white inside, outside brown .....	.75	7.50
<b>Krameri.</b> Blush pink, 3 feet, August .....	.75	7.50
<b>Macranthum.</b> Giant Golden Banded Lily, August ..	.80	8.00
<b>Rubro-Vittatum.</b> Spotted, purplish crimson .....	1.00	10.00
<b>Wittei.</b> Very fragrant; white, yellow band ..	1.25	12.50

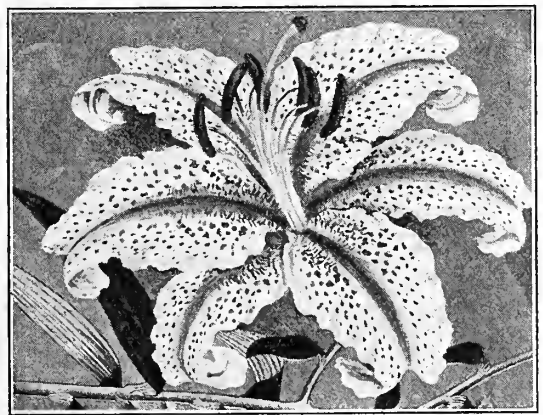
**LILY TIGRINUM SPLENDENS**

The popular "Tiger Lily," orange profusely spotted black, very free bloomer, doing well most everywhere.

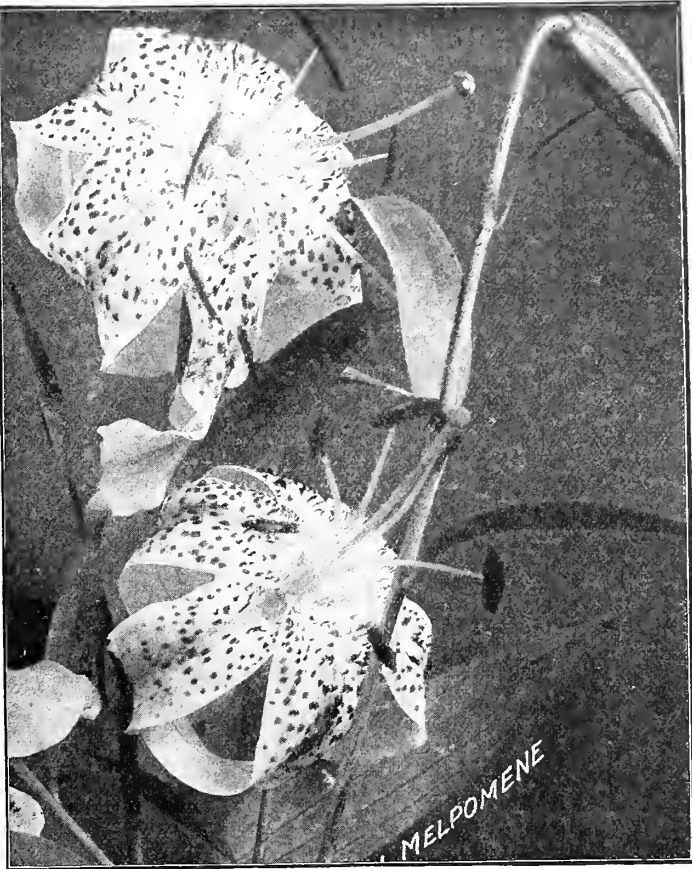
	Each	Doz.	100
<b>Single Flowering</b> .....	\$0.20	\$2.00	\$15.00
<b>Double Flowering</b> .....	.35	3.50	25.00

**LILIUM REGALE (Myriophyllum)**

Introduced from China; absolutely hardy, also splendid for forcing; white suffused pink, shaded canary-yellow. \$1.00 each; doz., \$10.00.



**Lilium Auratum**



**Lilium Speciosum (Type)**

**AMERICAN OR NATIVE LILIES**

	Each	Doz.	100
<b>Canadense</b> (Canadian Bellflower Lily). Bright yellow bell-shaped flowers; spotted black inside; June and July; 2 feet .....	\$0.20	\$2.00	\$15.00
<b>Canadense Rubrum.</b> Same type as above, crimson with black spots .....	.30	3.00	17.00
<b>Elegans, Leonard Joerg.</b> Rich apricot pink ..	.20	2.00	15.00
<b>Hansonii.</b> Often grows from 3 to 5 feet high, flowers reddish orange 8 to 12 in a cluster; petals thick and durable .....	.75	7.50	50.00
<b>Henryi</b> (The Yellow Speciosum Lily). Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion...	.75	7.50	50.00
<b>Superbum</b> (Turk's Cap Lily). One of the best lilies for all purposes; will succeed everywhere, according to location; will grow from 3 to 6 feet high and produce from 15 to 25 nodding brilliant orange red flowers on a single stalk during July .....	.25	2.50	15.00
<b>Tenuifolium</b> (Coral Lily). Brilliant scarlet, bell-shaped flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of borders, rockeries or cutting; foliage very slender; flowers in May. (Crop failed.)			
<b>Umbellatum.</b> A showy, massive lily, flowering in June; the broad, open flowers appear upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet; most effective when planted in clumps. (Crop failed.)			

**SPECIAL NOTICE.**—While we aim to make one shipment of seeds, plants and bulbs ordered at one time, this is not always possible. Customers will please understand when separate shipments are made, it is in their interest to do so.

6 bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.

(oe)

100 **MICHELL'S GIANT FLOWERING CANNAS**

We make a specialty of growing Cannas at our nurseries, Andalusia, Pa., where acres of them are a blaze of color throughout the summer. In ordering please state if plants or roots are wanted. When the stock of Canna Roots becomes exhausted, as it usually does by April 15th, we can fill orders with thrifty plants, ready in May, at the following advance charge over the prices quoted for roots: Add \$1.00 per doz., \$5.00 per 100 to the price quoted for roots.

**Grand Novelty Canna**  
**"The President"**

Height, 4 feet. By a sweeping majority of votes, this Canna won the honor of being named "The President," for it is so surpassingly fine that no other red Canna could be a competitor. In color it is a rich, glowing scarlet, and the immense, firm, rounded flowers, 7 inches across when open, are produced on strong, erect stalks, well above the large, green foliage. The President is the super-Canna of all red varieties in color, quantity and also quality of bloom, and the thick-petaled flowers are able to resist drought and heat to a remarkable degree. Strong roots, 50c. each; \$5.00 per doz.; per 100, \$35.00.

**Mrs. Woodrow Wilson.** This variety resembles Mrs. Alfred F. Conard, but the flower is a charming shade of rich color called "crimson pink," particularly pleasing; the flowers are large, with broad, overlapping petals, of great substance and lasting qualities. The light green foliage is prettily veined, while the plant habit is robust and compact; height, 4 ft. 25c. each; doz., \$2.50; \$17.50 per 100.

**Wyoming.** The beauty of this variety is really hard to describe, but we would call it a shade of rich oriental orange; to our mind it surpasses in majestic beauty the much-heralded variety, "King Humbert;" the foliage is a deep, purplish bronze, and is broad and massive; the orchid type flowers are borne in tremendous trusses, well above the foliage; height, 6 ft. 25c. each; doz., \$2.50; \$15.00 per 100.

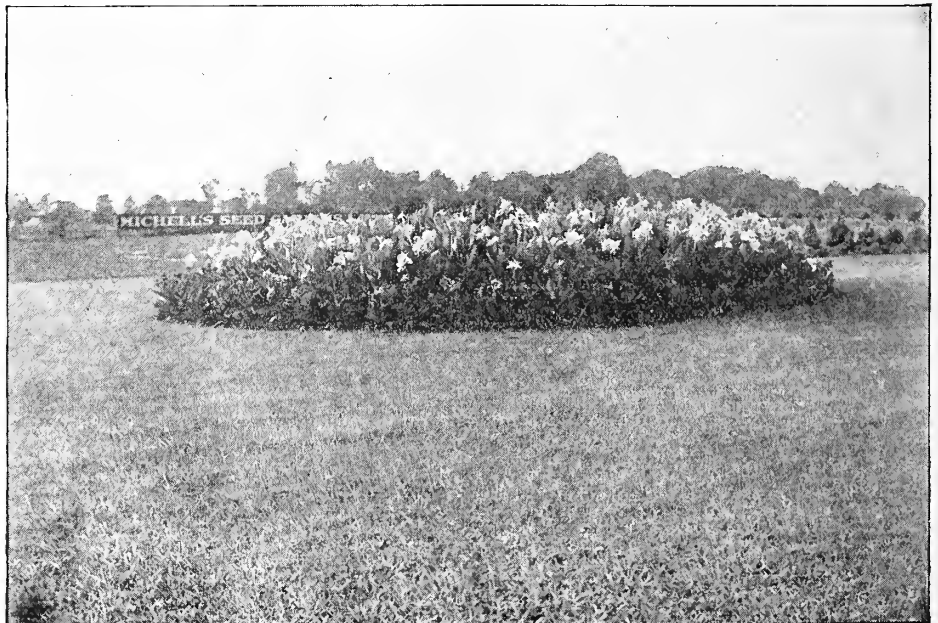


**Canna, The President**

**City of Portland.** Glowing pink, deeper in color than Mrs. A. F. Conard, from which it originated, and the flowers are also produced in greater profusion. Too much cannot be written in praise about this splendid Canna; it blooms early and continuously; in fact, the mass of bloom all summer is simply marvelous. Canna experts pronounce this the best all-round pink Canna to date; green foliage; height, 3½ ft. 25c. each; doz., \$2.50; \$17.50 per 100.

**Firebird (Oiseau de Feu).** This is in every respect one of the best red flowered, green-leaved Cannas. The petals measure 2½ inches and more across; the color is a brilliant scarlet, without any spots. As a bedding variety probably few others can approach this in its color; it is a mass of flower throughout the season; of dwarf, compact and symmetrical growth; green foliage; height, 4½ ft. 25c. each; doz., \$2.50; \$17.50 per 100.

**SEE COLOR PLATE ILLUSTRATION FOR CANNAS OFFERED ON THIS PAGE.**



**A Bed of City of Portland Cannas on the lawn at our nurseries, Andalusia, Pa.**

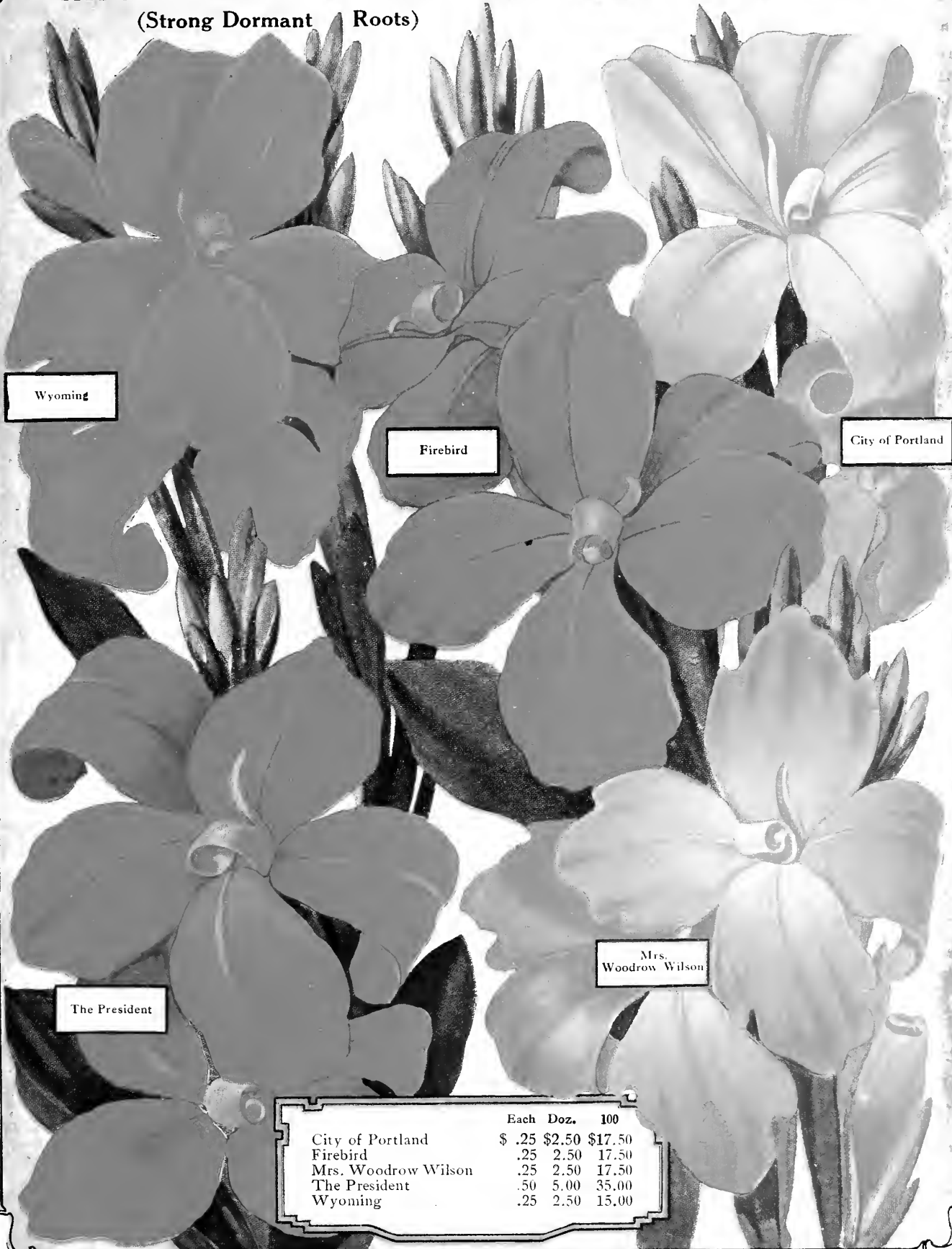
**COLLECTION: One each of the above five varieties of Cannas (dry roots) for \$1.25; prepaid to any address in the United States.**

**Six plants or Roots of a variety at dozen rates; 25 at 100 rate.**



# MICHELL'S "GIANT FLOWERING" CANNAS

(Strong Dormant Roots)



Wyoming

Firebird

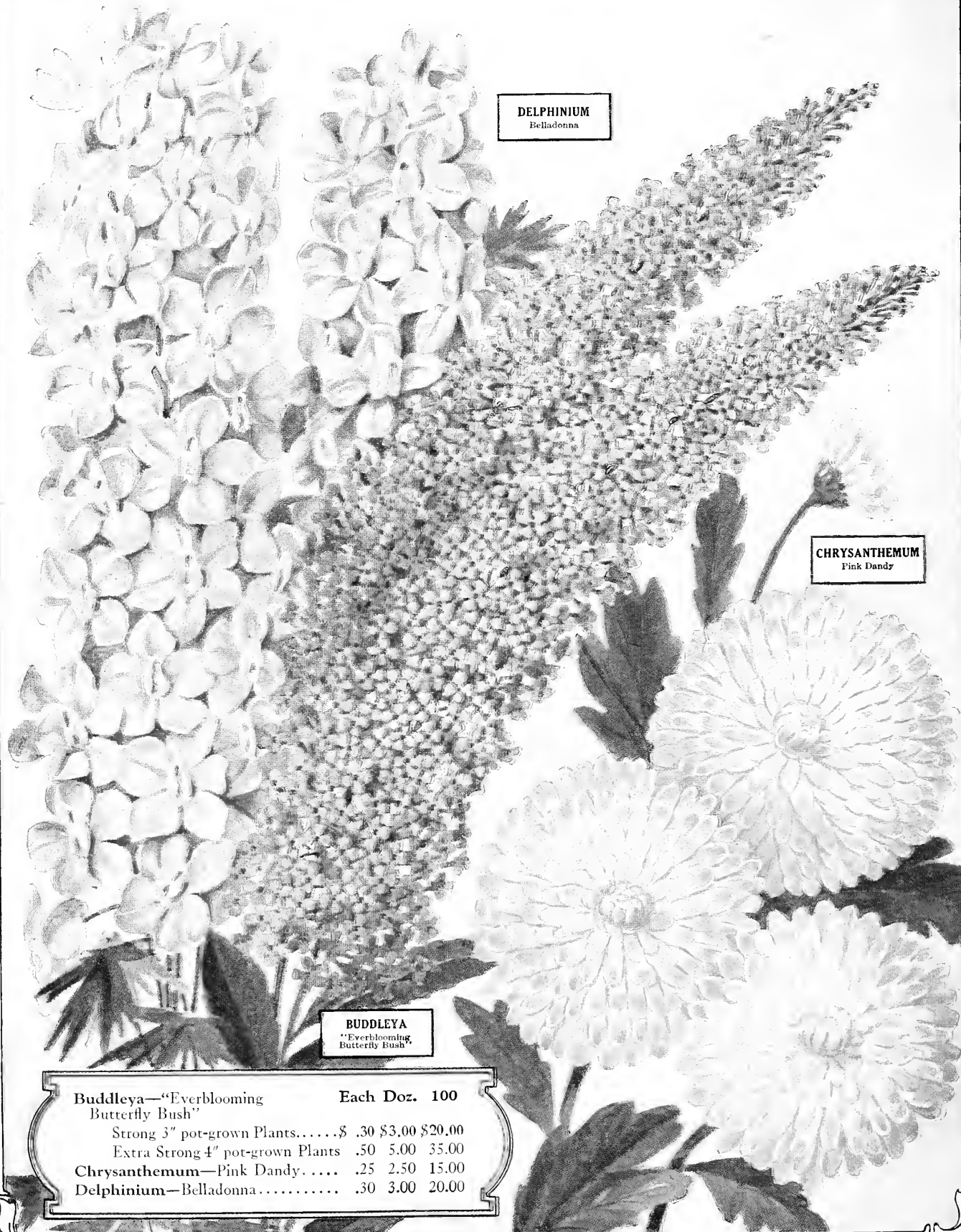
City of Portland

The President

Mrs.  
Woodrow Wilson

	Each	Doz.	100
City of Portland	\$ .25	\$2.50	\$17.50
Firebird	.25	2.50	17.50
Mrs. Woodrow Wilson	.25	2.50	17.50
The President	.50	5.00	35.00
Wyoming	.25	2.50	15.00

# MICHELL'S "HARDY, FLOWERING" PLANTS



**DELPHINIUM**  
Belladonna

**CHRYSANTHEMUM**  
Pink Dandy

**BUDDLEYA**  
"Everblooming  
Butterfly Bush"

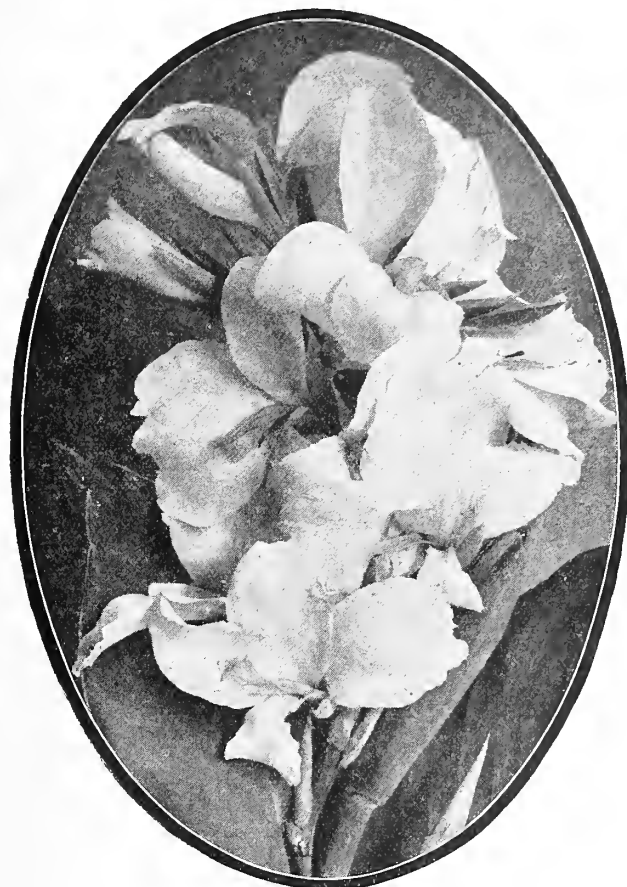
Buddleya—"Everblooming Butterfly Bush"	Each Doz.	100
Strong 3" pot-grown Plants.....	\$.30	\$3.00 \$20.00
Extra Strong 4" pot-grown Plants	.50	5.00 35.00
Chrysanthemum—Pink Dandy.....	.25	2.50 15.00
Delphinium—Belladonna.....	.30	3.00 20.00

## General List of Newer and Popular Varieties

- Beacon.** Moderate sized flowers of rich cardinal red, borne on large heads that make an impressive appearance; the mass of color presented by a bed of these is a wonderful sight; green foliage; height, 4 ft. 20c. each; doz., \$2.00; \$12.50 per 100.
- Brandywine.** Color is intense vinous red, beautifully mottled with deep crimson; two or three petals are sometimes narrowly edged with bright gold; height 5 ft.; bronze foliage.
- City of Portland.** A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ ft.; foliage, green. 25c. each; doz., \$2.50; \$17.50 per 100.
- Dragon.** An incessant bloomer, which keeps sending up new bloom stalks continually, from the first flowers till frost. The flowers are dark or ox-blood red; height, 3 ft.; green foliage. 20c. each; doz., \$2.00; \$12.50 per 100.
- Eureka.** One of the best white Cannas; flowers very freely; height, 4½ ft.; green foliage. 25c. each; doz., \$2.50; \$17.50 per 100.
- Firebird.** This is in every respect one of the best red flowered, green-leaved Cannas. The petals measure 2½ inches and more across; the color is a brilliant scarlet, without any spots; 4½ feet. 25c. each; doz. \$2.50; \$17.50 per 100.
- Hungaria.** The plant is dwarf and of compact growth; rich peach blossom pink. It is a free, early and continuous bloomer. The shade is one that will immediately arrest the eye and really must be seen to be appreciated. The foliage is a rich green and very massive; height, 3½ feet. 20c. each; doz., \$2.00; \$12.50 per 100.
- King Humbert.** Truly a king among cannas, because of its majestic growth, which is doubly enhanced by its massive truss of coppery scarlet flowers. The foliage is deep bronze, very broad, and of wonderful robust habit, growing 4½ feet high; splendid as a centre planting, edged with yellow, green leaved cannas or vice versa.
- Meteor.** Of compact growth; broad green foliage, surmounted with large heads of bright red flowers; grows about 4½ feet high. 20c. each; doz., \$2.00; \$12.50 per 100.
- Mrs. Alfred F. Conard.** The gigantic flowers, which are borne in immense clusters, are of a delightful salmon pink, a shade which becomes more brilliant as the flower develops, and which stands unapproached by other varieties. The foliage is light green and grows almost to the flower, presenting a splendid contrast; 4 feet. 25c. each; doz., \$2.50; \$15.00 per 100.
- Mrs. Woodrow Wilson.** This variety resembles Mrs. Alfred F. Conard, but the flower is a deeper shade of pink. The plant is dwarf and compact, with green foliage; 4 feet. 25c. each; doz., \$2.50; \$17.50 per 100.
- Princeton.** An intense bright yellow, with a decided dash of red in the throat, resists bleaching in the sun's rays better than any other yellow canna; green foliage; 3 to 4 ft. 25c. each; doz., \$2.50; \$15.00 per 100.
- Rosea Gigantea.** A wonderful novelty; the largest of pink cannas in existence; color, a rich rose pink; flowers free, foliage green; height, 3½ feet. 20c. each; doz., \$2.00; \$12.50 per 100.
- The President.** This splendid new variety is described on opposite page; see also color plate. 50c. each; doz., \$5.00; \$35.00 per 100.
- Yellow King Humbert (Queen Helen).** This is a sport of the well-known bronze-leaved variety, but this sort has green foliage; about 4½ feet high, with masses of golden yellow flowers, dotted red; occasionally some will be streaked red. It is of strong, vigorous habit.

## GENERAL LIST OF OLDER POPULAR VARIETIES

- Alphonse Bouvier.** Rich velvety red; green foliage; 5 feet high. Splendid as a background in borders.
- Austria.** A tall-growing variety with gigantic blooms of a lemon chrome, spotted red; 5 feet high; foliage green.
- Charles Henderson.** An old favorite; fine shade of deep crimson; dwarf and compact; green foliage; height, about 4 feet.
- Dr. E. Ackerknecht.** Deep carmine, suffused deeper. Very distinct; free bloomer; height, 4 ft.; bronze foliage.
- Elizabeth Hoss.** A fine yellow sort, spotted vivid red; broad petals which open flat; stands the sun well; green foliage; 4 feet.
- Express.** One of the most satisfactory dwarf crimson cannas; a continuous bloomer; green foliage; 2½ feet high.
- Florence Vaughan.** Yellow, spotted crimson; green foliage; 5 feet high.
- Gen'l Merkel.** Bright scarlet, splashed yellow; green foliage; 4 ft.
- Italia.** Golden blotched crimson, orchid type; green foliage; 5½ feet high; one of the best of the older sorts.
- Koros.** Light orange scarlet, streaked and dotted carmine; bronze foliage; 4 feet.



Canna, Rosea Gigantea

- Louis Reverchon.** Cochineal red flowers, bronze foliage, free bloomer; 4 feet.
- Mme. Crozy.** Scarlet, bordered yellow; green foliage; 3 feet.
- Olympic.** Rich oriental red, shaded toward centre and dappled carmine; green foliage; height, 5 feet.
- Orange Bedder.** Bright orange, suffused scarlet; very free; green foliage.
- Richard Wallace.** A remarkably free bloomer, producing gigantic clusters of light yellow flowers. It stands quite erect, about 4½ feet high; green foliage.
- Secretaire Chabanne.** Bright salmon pink; green foliage; 4 feet.
- Superb.** Bright orange scarlet; bronze foliage; height, 4 feet.
- Venus.** Rosy pink, with border mottled, of creamy yellow; height, 4½ feet; green foliage.
- West Virginia.** Rich crimson scarlet with a bronze-yellow border; green foliage; about 3½ feet.
- Wintzer's Colossal.** Vivid scarlet flowers of immense size; profuse bloomer; height 5 feet; green foliage.

## PRICES OF CANNAS (Roots)

All varieties not otherwise quoted are 15c. each; doz., \$1.50; \$10.00 per 100. After April 15th the stock of canna roots is usually exhausted, after which we will furnish plants at the following advance in price over root prices, viz.: 10c. each; doz., \$1.00; \$5.00 per 100. Please note this price is in addition to the price quoted for roots.

## CANNAS IN MIXTURE

This mixture is made up of named sorts, but not separate; acquired while cannas are being divided for resale, it contains a splendid assortment. 10c. each; doz., \$1.00; \$6.00 per 100.

# MICHELL'S SUPERB DAHLIAS

The native home of the Dahlia is Central America and Southern Mexico. Its earliest known history dates back to 1657, and at this date was called *Acocoti* by the Aztec Indians. Later its name was changed to *Georgina*, after Prof. Georgi, of St. Petersburg, which name is still used in some of the German catalogs. Again the name was changed to *Dahlia*, after Dr. Dahl, a Swedish botanist. The Dahlia in its native state is single. The first double forms appeared in 1814 and are credited to Mr. Doukelaar. The first double forms were of the types now known as *SHOW* and *FANCY*. The *POMPON* form appeared about 1858 to 1860. Next came the *DECORATIVE* form, but its origin is not clearly defined, but probably dates back some forty years. The first *CACTUS* Dahlia originated in 1872, but was not placed on the market until 1880. It was named *Juarezi* after President Juarez, of Mexico. This is the popular type of the present day and there are some 2000 named varieties of Cactus Dahlia today that have descended from the original *Juarezi*. The *PEONY FLOWERED* type is of quite recent origin, dating back but a few years, and is becoming very popular.

Our list this season has again been thoroughly revised. Many of the older varieties of Dahlias have been omitted and superseded by others that are much superior. Where plants are offered, these will be ready early in May, during which month they may be set out, although they are planted with great success all during June and July. The natural season for the Dahlia to be at its best is during September and October; in fact, effort to get superior blooms before that time should not be attempted. To get large flowers, the plants should be disbudded.

Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use either well-rotted stable manure, or, better still, sheep manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole, 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake.

Keep the ground well cultivated and free from weeds. An application of sheep manure about every two weeks will be of great benefit.

Never leave more than one shoot to a plant. You will have better plants and larger flowers if you will allow only one main shoot to a plant.

**ABOUT DAHLIA PLANTS.** It happens sometimes that there is an unusually large demand for certain varieties, and our stock of roots becomes exhausted. In such instances we will send out strong plants after May 1st, after which time most all Dahlia orders are filled with plants.



Cactus Dahlias (Types)

## MICHELL'S COLOR PLATE COLLECTION OF DAHLIAS

(For illustrations, see color plate.)

### FOUR MAGNIFICENT SUPER-DAHLIAS

**Attraction** (Cactus). A beautiful hybrid cactus dahlia that must be seen to be appreciated (see colored plate). Flowers measure over 6 inches in diameter and are composed of gracefully twisted petals. Color, soft silvery pink, lilac rose, with white suffusion. \$1.00 each; \$10.00 per 12.

**Geisha Improved** (Peony-Flowered). One of the most striking bi-colored varieties, scarlet and gold, which varies and alternates with every petal. A grand improvement. Truly a glorified Geisha (see colored plate). \$1.00 each; \$10.00 per 12.

**Autumn Sun** (Insulinde). The name fitly describes this extraordinary variety. Flowers of immense size, with all the colors of the autumn sun—the yellows blending with the brilliant reds, oranges and golden effects and tints. Must be seen to be appreciated. (See colored plate.) \$4.00 each; \$40.00 per 12.

**Yellow King.** This variety is considered the finest yellow dahlia so far exhibited. Flowers are borne on long stems and are of great substance. Excellent cut flower variety. (See colored plate.) \$1.00 each; \$10.00 per 12.

Collection one of each of the above four varieties, \$6.50.

### FIVE GRAND AND GLORIOUS GIANT DAHLIAS

(See Copper Plate Illustration, page 103.)

**Benedictus** (Dec.). A new peony decorative of a golden yellow color. Blooms are large, plant rather dwarf in habit. One of the few good yellow Dahlias. (See illustration page 103.) 75c. each; \$7.50 per 12.

**Duchess of Brunswick** (Dec.). A magnificent peony-flowered variety. The color is a beautiful shade of light red blending to apricot on reverse of petals. Habit of growth is excellent. One of the first to bloom. (See illustration, page 103.) 75c. each; \$7.50 per 12.

**F. W. Fellows** (Cactus). Undoubtedly the best variety of recent introduction in the cactus type, having fine form and habits.

Flowers are extra large on very long stems, and remarkably constant. Color orange scarlet with long straight florets. (See illustration, page 103.) 50c. each; \$5.00 per 12.

**George Walters** (Cactus). One of the largest cactus dahlias in existence. Wonderful coloring of bright pink suffused with old gold. (See illustration, page 103.) \$1.00 each; \$10.00 per 12.

**Tom Lundy** (Dec. Cactus). One of the largest hybrid cactus grown. Of bright velvet red, held on good stems and a very prolific bloomer. A California production and a most sensational novelty. (See illustration, page 103.) 75c. each; \$7.50 per 12.

COLLECTION ONE OF EACH OF THE ABOVE FIVE MAGNIFICENT VARIETIES FOR \$3.50.

# MICHELLE'S "GIANT FLOWERING" DAHLIAS

*Geo Walters*

*Benedictus*



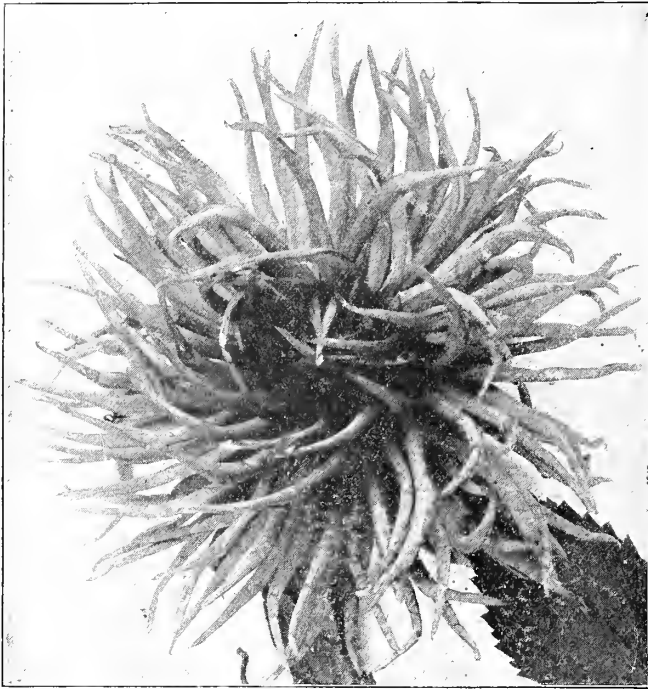
*F.W.Fellows*

*Duchess of Brunswick*

*Tom Lundy*

For description and price of the above Dahlias, see Page 102.

# MICHELL'S SUPERB DAHLIAS



**Cactus Dahlia, F. W. Fellows**

- A. D. Livoni** (Double Show). Clear pink, of splendid form; an old variety, but still a favorite.
- Albert Maginau** (Collarette). Deep glowing red.
- A. Maumene** (Collarette). Dark red, white collar.
- Arabella** (Show). Lemon and pink; fine form.
- Aristed Gurtler** (Cactus). Orange suffused scarlet, darker toward the centre, very narrow petals.
- Attraction**. See page 102 for description and price; also Dahlia colored plate.
- Australian** (Cactus). Brilliant rich purple suffused bright crimson. 40c. each; \$4.00 per 12.
- Autumn Glow** (Decorative). A large, perfect flower of excellent form; primrose-yellow with bronze shadings; fine for cutting.
- Autumn Sun** (Insulinde). See page 102 for description and price; also Dahlia colored plate.
- Ayesha** (Decorative). Of immense size. Clear pure sulphur yellow, of perfect form with long, erect flower stems. 40c. each; doz., \$4.00.
- Benedictus** (Decorative). For price and description see page 102. Also illustration page 103.
- Berch von Heemseede** (Decorative). Yellow and orange; very free and flowers keep well.
- Bertha Von Sutfner** (Paeony). Ivory white centre, shaded lighter toward edge; suffused delicate pink; beautifully twisted and curled petals. 40c. each; doz., \$4.00.
- Bessie Clark** (Double Century). Mauve pink toward the end of season. The centre shows a suffusion of golden yellow.
- Brigadier** (Cactus). Bright crimson.
- Brisbane** (Cactus). Orange scarlet; very attractive.
- Candeur** (Cactus). Pure white; when fully developed resembles an incurved chrysanthemum.
- Capstan** (Cactus). Yellow, shading to orange scarlet.
- Catherine** (Pompon). Light yellow. 25c. each; \$2.50 per 12.
- Catherine Duer** (Decorative). The famous Newport variety; bright iridescent, crimson scarlet; large perfect flower.
- Countess of Lonsdale** (Cactus). Profuse bloomer; salmon pink.
- Country Girl** (Cactus). One of the finest varieties for cutting and garden decoration; golden yellow, suffused salmon pink.
- Crimson Globe** (Show). Rich red; a veritable ball of fire.
- Crawley Star** (Single). Rose pink; very pretty.
- Cuban Giant** (Double Show). Rich maroon; almost ball shaped; very large; an early bloomer.
- Delice** (Decorative). Beautiful rose pink; a splendid large flower; still popular, though not new.
- Dorothy Peacock** (Double Show). A beautiful pale lilac rose with a white centre; a profuse bloomer with long, erect stems.
- Dreer's White** (Double Show). Plants only. A fine, large flower; of beautiful form; pure white; long stemmed. 40c. each; doz., \$4.00.
- Dreer's Yellow** (Show). A grand yellow and grand companion for the foregoing; immense flowers seven inches in diameter. 50c. each; \$5.00 per 12.

- Dorothy Peacock** (Show). Shell pink; perfect shape; free flowering.
- Dragon d'or** (Cactus). A grand golden yellow variety.
- Duchess of Brunswick** (Decorative). For price and description see page 102; also illustration page 103.
- Eckford Century** (Single). White, spotted crimson.
- Edith Carter** (Cactus). Bright yellow, delicately suffused with bright carmine. 50c. each; \$5.00 per 12.
- Emily** (Show). Solferino, marked white; large flowering.
- Etendard de Lyon** (Cactus). Large massive blooms, often 6 inches; on strong stems; profuse and early bloomer. Reddish violet overlaid Tyrian rose. One of the finest dahlias in existence. Broad, curled petals. 75c. each; doz., \$7.50.
- Flamingo** (Decorative). Of beautiful form, sometimes showing an open centre; color violet rose; overlaid Tyrian rose; very free, early bloomer. (Plants only.)
- Flora** (Cactus). Pure white, long stemmed flowers.
- Floradora** (Cactus). Flower of immense size, with claw-like petals curved inward; distinct blood red; free bloomer.
- Frank L. Bassett** (Decorative). Carmine, purple shading; deeper at centre.
- Frank Smith** (Show). Rich red; an old but excellent variety.
- F. W. Fellows** (Cactus). For price and description see page 102; also illustration page 103.
- Gaillardia** (Single). Orange red centre. 25c. each; \$2.50 per 12.
- Geisha Century** (Single). Yellow and red; similar to the above.
- Geisha Improved** (Paeony). See page 102 for description and price; also colored Dahlia plate.
- Geisha** (Paeony). A combination of scarlet and gold, which varies or alternates with each petal. 60c. each; doz., \$6.00.
- General French** (Cactus). A grand orange variety.
- George Walters** (Decorative). For price and description see page 102; also illustration page 103.
- Germania** (Paeony). Bright, glowing crimson; long, stout stems; attractive and showy.
- Gloire Lyonnaise** (Decorative). Golden yellow tipped rosy carmine.
- Goldland** (Cactus). Primrose yellow; excellent form, free bloomer.
- Golden Gate** (Cactus). Golden yellow suffused and shaded fawn.
- Grethen Heine** (Pompon). Carmine rose, long stemmed; good form. 25c. each; \$2.50 per 12.
- Gypsy** (Decorative). A giant flower measuring frequently 7 inches in diameter; the plant is of robust habit. Flowers are similar to Geisha, except we would call it a decided improvement; strong plants, 50c. each; \$5.00 per 12.

**PRICE.**—All Dahlias on this page unless otherwise noted are 35c. each; doz., \$3.50.



**Decorative Dahlia, Gypsy**



Cactus Dahlia, Edith Carter

- Hampton Court** (Paeony). Beautiful mauve pink; one of the most showy of the paeony flowered types. 25c. each; doz., \$2.50.
- Harzer Kind** (Cactus). Lavender pink.
- Helvetia** (Single). A beautiful combination of red and white, resembling the colors of the Swiss flag. 25c. each; doz., \$2.50.
- Hortulanus Budde** (Paeony). Very free bloomer; a beautiful shade of rich orange red; very large flowers, of good form on long, stiff stems. 60c. each; doz., \$6.00.
- Hortulanus Fiet** (Decorative). Enormous flowers, often 8 inches across; delicate shrimp pink; petals tipped golden yellow. 60c. each; doz., \$6.00.
- Hortulanus Witte** (Decorative). A large free flowering white; splendid cut flower variety. 50c. each; doz., \$5.00.
- Jack Rose** (Decorative). One of the most free-flowering and perfect formed Dahlias. The flowers are rich crimson on stiff wiry stems; excellent for cutting.
- Jack** (Single). Bright red; long stemmed. 25c. each; doz., \$2.50.
- Jeanne Charmet** (Decorative). Pinkish lilac rose, on a lighter ground.
- John Walker** (Show). Snow white, perfect form; free bloomer.
- John Wanamaker** (Paeony). One of the largest and most handsome of Dahlias, being an exquisite shade of rosy lake, called orchid pink. 50c. each; doz., \$5.00.
- Kalif** (Cactus). Very large, pure scarlet. A strong plant producing the giant flowers freely on long, stiff stems, quite easily one of the best sorts in cultivation. Plants only, 75c. each; doz., \$7.50.
- K. A. Victoria** (Decorative). A beautiful compact growing, pure white variety, making a splendid cut flower.
- Klein Domitea** (Pompon). Salmon buff; very profuse bloomer of fine form. 25c. each; doz., \$2.50.
- Kriemhilde** (Cactus). Delicate soft pink, with a distinct white centre, an old favorite.
- Lawine** (Cactus). An exquisite variety of excellent form and enormous size. It is a glistening white, but occasionally a flush of blush is found on some flowers.
- Le Grand Manitou** (Decorative). A gigantic flower of excellent form, beautiful shade of violet, mottled and striped purple. 40c. each; doz., \$4.00.
- Lord Minto** (Cactus). Pale yellow, shaded soft rosy salmon at end of petals. Very symmetrical flowers with long, quilled petals. Splendid for cutting.
- Lorna Doone** (Cactus). This beautiful variety is especially suitable for garden decorations or for cutting. It is of splendid Cactus form; grows erect, not too tall. The greater part of the flower is carmine pink, shaded yellow at the base.
- Lyndhurst** (Decorative). A fine cutting variety and a great bloomer; bright scarlet.
- Magnificent** (Single). Cerise pink, veined white. 25c. each; doz., \$2.50.
- Marathon** (Cactus). Brilliant rich purple, very distinct color and of exquisite form. 50c. each; doz., \$5.00.

- Margaret Bouchon** (Cactus). One of the most perfect cactus type, color charming soft rose, white centre, white tips. 75c. each; doz., \$7.50.
- Maurice Rivoire** (Collarette). Blood red, with deeper stripes down the centre; white, fringed collar. 25c. each; doz., \$2.50.
- Melody** (Cactus). The most distinct of our new sorts and the most admired by all who have seen it. Color, clear yellow for half the length of the florets, the remainder being pure white. Of typical Cactus form. 40c. each; doz., \$4.00.
- Mina Burgle** (Decorative). A rich luminous, dark scarlet on long, stiff stems; splendid both for cutting and garden decoration; free-flowering. 50c. each; doz., \$5.00.
- Miss Minnie McCullough** (Decorative). Superb soft yellow, overlaid bronze.
- Miss Stredwick** (Cactus). One of the finest Cactus Dahlias; soft yellow at base, changing to deep pink; long flower stem.
- Mme. Henry Cayeux** (Cactus). Pink, white centre.
- Mme. van den Dael** (Decorative). Shell pink, shaded deep rose. The shape of the flower is perfect and lasts when cut.
- Mont Blanc** (Decorative). An early continuous flowering white, a regular "cut and come again" variety.
- Mrs. Chas. L. Seybold** (Paeony). Ground color, crimson carmine, petals tipped white.
- Mrs. Chas. Turner** (Decorative). Clear canary yellow; very profuse bloomer.
- Mrs. Crawford C. Madeira** (Decorative). A gigantic flower, sometimes 8 inches in diameter, white suffused flesh pink. 50c. each; doz., \$5.00.
- Mrs. Henry R. Wirth** (Cactus). Rich brilliant scarlet, of wonderful free-flowering habit.
- Mrs. J. Gardner Cassatt** (Decorative). This variety is one of the finest ever introduced. The color is most exquisite, a deep rose shade. Excellent for cutting, having a long, stiff stem.
- Mrs. Roosevelt** (Decorative). The flowers of this popular variety have a very distinct form, having large fluted petals flatly arranged. The color, an exquisite daybreak pink, is not approached by any other sort. 50c. each; doz., \$5.00.
- Nerthus** (Cactus). Rich bronzy orange yellow, shading to carmine-rose at the tips, the whole suffused with a glowing golden color. 40c. each; doz., \$4.00.
- New York** (Cactus). Orange yellow, one of the best of its color.
- Oregon Beauty** (Decorative). Oriental red with golden sheen and garnet suffusion; blooms large and flowers freely.
- Perle de Lyon** (Decorative). A pure white exhibition variety of great value. The petals are fringed or nitched, giving a unique appearance. The flowers are perfect in form, and produced on long, stiff stems.

**PRICES.** Unless otherwise noted, all Dahlias offered on this page are 35c. each; doz., \$3.50.



Decorative Dahlia, Perle de Lyon

# MICHELL'S SUPERB DAHLIAS



Decorative Dahlia, Mrs. J. G. Cassatt

- Phoenix** (Cactus). A bold, large flower of rich carmine red; very attractive and large-flowering; splendid cut flower.
- Poinsettia** (Duplex Century). Rich scarlet, a very beautiful flower, petals resembling in form the Christmas plant of the same name.
- Prince of Yellows** (Cactus). One of the premier yellow varieties.
- Queen Emma** (Paeony). A charming shade of soft rose, the inner petals banded with gold. A beautiful variety and vigorous grower.
- Red Admiral** (Cactus). Fiery scarlet; should be in every collection.
- Rene Cayeux** (Cactus). Rich geranium red; splendid for cutting.
- Rheingau** (Cactus). Large, bold, brilliant scarlet, long stems. 40c. each; doz., \$4.00.
- Rhein Koenig** (Cactus). A splendid exhibition variety. The giant flowers, which often measure 5 to 6 inches in diameter, are glistening snowy white. 25c. each; doz., \$2.50.
- Rose Pink Century** (Century). Of a beautiful rose pink color. The plant is an exceptionally free bloomer.
- Scarlet Century** (Single). Scarlet variety of the century type. 25c. each; doz., \$2.50.
- Sequoia** (Cactus). Striking saffron yellow.
- Sherlock** (Cactus). Orange scarlet, suffused apricot; the flowers are very large and are borne in great profusion on long, stiff stems; fine for cutting.
- Sirene** (Cactus). Rose shaded white.
- Souvenir de Gustave Doazon** (Decorative). One of the largest decorative Dahlias, measuring often 8 inches in diameter. Color is a beautiful red. The flowers are of most perfect form.
- Spanish Century** (Single). Spain's national colors blended, red and orange; very distinct. 25c. each; doz., \$2.50.
- Sweetbrier** (Cactus). One of the loveliest shades of clear soft pink; very long, narrow, incurved petals.

PRICES of all Dahlias offered on this page, except where noted: 35c each; doz., \$3.50.

## COLLECTIONS OF DAHLIAS

The variety of Dahlias is so large at the present time that unless you are a Dahlia enthusiast and "know Dahlias," you will perhaps be at a loss to make a selection from the above lists, so to meet this dilemma we offer the following collections:

- 12 Cactus type, our selection, in twelve named beautiful varieties, \$3.00.
  - 12 Show type, our selection, in twelve named beautiful varieties, \$3.00.
  - 12 Single type, our selection, in twelve named beautiful varieties, \$3.00.
  - 12 Paeony type, our selection, in twelve named beautiful varieties, \$3.00.
  - 12 Decorative type, our selection, in twelve named beautiful varieties, \$3.00.
- Or we will send you the full collection as above, 60 varieties, for \$14.00.

**Sylvia** (Decorative). Deep pink, tinting to flesh color at centre; large perfect form, on long stiff stems.

**T. G. Baker** (Cactus). Clear canary yellow.

**Traymore** (Collarette). Red with yellow collar. 25c. each; doz., \$2.50.

**Twentieth Century** (Single). Intense rosy carmine, with white tips and white disc around the yellow centre. 25c. each; doz., \$2.50.

**Wildfire** (Single). Brilliant scarlet; very large flower. 25c. each; doz., \$2.50.

**Wm. Agnew** (Decorative). Very large flowers of glistening scarlet crimson; blooms early and lasts until frost; splendid for cutting.

**Wolfgang von Goethe** (Cactus). Apricot shaded carmine. 50c. each; \$5.00 per doz.

**Wodan** (Cactus). Old gold at centre, shading to salmon pink; flowers very large and beautifully formed. 40c. each; doz., \$4.00.

**W. W. Rawson** (Show). Fine shaped, massive large double flower; long stems, color pure white, overlaid with mauve. 40c. each; doz., \$4.00.

**Yellow Colosse** (Decorative). Flowers of large size, perfect form, of pure primrose yellow.

**Yellow King** (Cactus). Free flowering type, flowers canary yellow, one of the leading varieties of its color. See color plate; also price and description page 102.

**Yellow Livoni** (Show). A prototype of the famous pink Livoni and equally good for cutting.

**Tom Lundy** (Decorative). For price and description see page 102; also illustration page 103.

PRICES of all Dahlias offered on this page, except where noted: 35c. each; doz., \$3.50.

## DAHLIAS TO COLOR

While named sorts, these are not labeled, but can be furnished in the following types and colors: Cactus, Double, Single and Decorative; in Pink, White, Yellow and Scarlet. Price, 20c. each; doz., \$2.00; \$15.00 per 100.



Cuban Giant



# MICHELL'S "SUPERB NEWER" DAHLIAS

(Strong Dormant Roots)

Yellow King

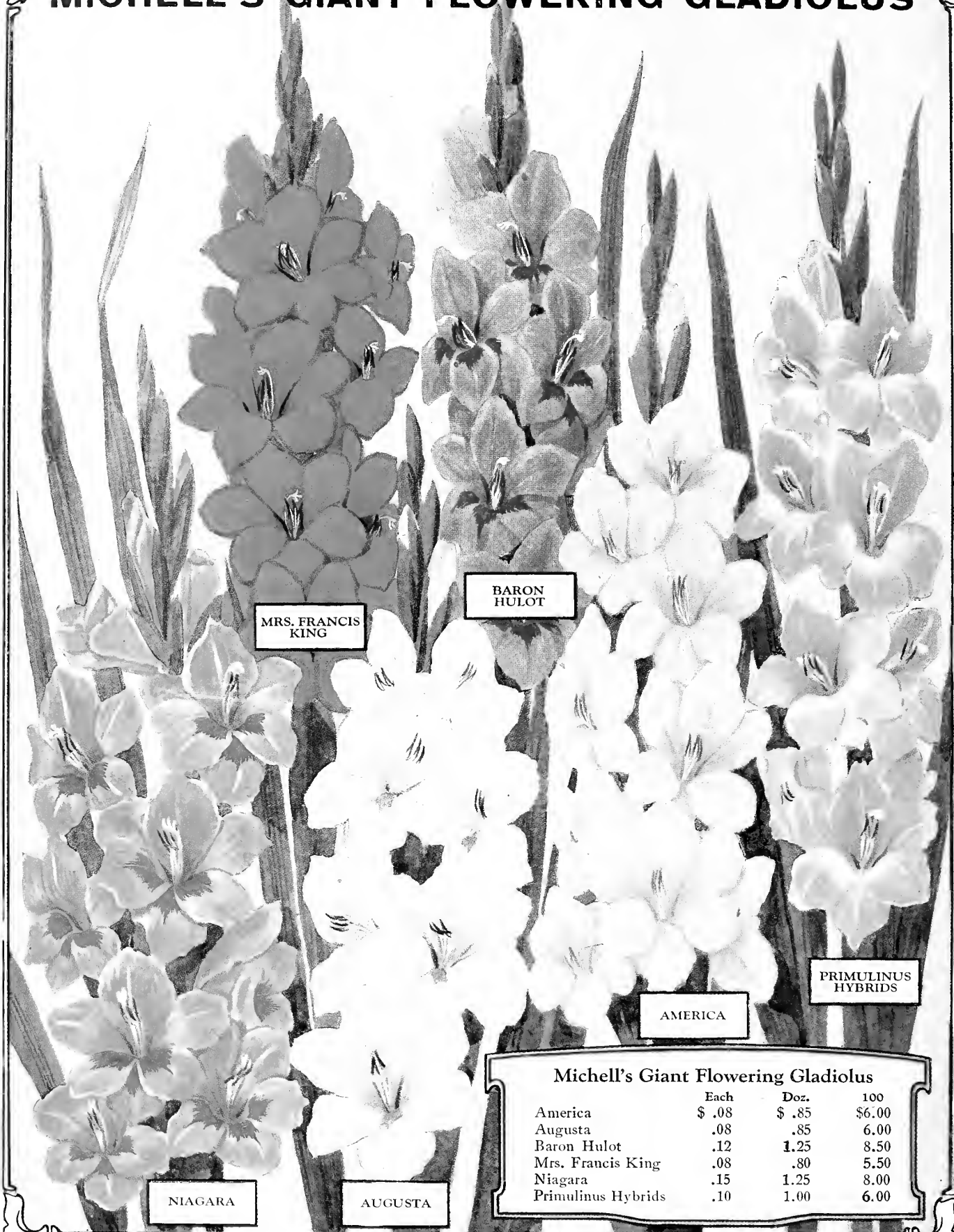
Autumn Sun  
(Insulinde)

Attraction

Geisha  
(Improved)

	Each	Doz.
Attraction	\$1.00	\$10.00
Geisha (Improved)	1.00	10.00
Autumn Sun (Insulinde)	4.00	
Yellow King	1.00	10.00

# MICHELL'S GIANT FLOWERING GLADIOLUS



MRS. FRANCIS KING

BARON HULOT

PRIMULINUS HYBRIDS

AMERICA

NIAGARA

AUGUSTA

Michell's Giant Flowering Gladiolus			
	Each	Doz.	100
America	\$ .08	\$ .85	\$6.00
Augusta	.08	.85	6.00
Baron Hulot	.12	1.25	8.50
Mrs. Francis King	.08	.80	5.50
Niagara	.15	1.25	8.00
Primulinus Hybrids	.10	1.00	6.00

What a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

## GRAND NOVELTY GLADIOLUS, LILY WHITE

**Lily White** is perhaps the best white gladiolus introduced to date; it is of good height and size, bearing six and seven all-white flowers, expanded at once. Very early and excellent for either forcing or bedding. 50c. each; doz., \$5.00.

**America.** One of the best Gladioli in existence. The color is a beautiful flesh pink, tinged with lavender. The flowers are of the largest size, the petals are round, thick and strong, and will last a long time after being cut. Sc. each; doz., \$5c.; \$6.00 per 100.

**Attraction.** Immense flowers of a most pleasing deep rose, with white throat. Sc. each; doz., 75c.; \$5.00 per 100.

**Augusta.** Produces graceful, slender stems, which are dressed with beautiful flowers of pure white, slightly tinged and striped pink, which open all at one time. Sc. each; doz., 85c.; \$6.00 per 100.

**Baron Hulot.** Large flowers, well arranged on long spikes. Color is a deep indigo blue, slightly marked white at the base of the throat. 12c. each; doz., \$1.25; \$8.50 per 100.

**Brenchleyensis.** One of the best for bedding or planting in front of shrubbery. The flowers are of a vermilion scarlet color. 6c. each; doz., 60c.; \$4.00 per 100.

**Cattleya.** A most attractive variety; soft lilac rose, similar to the popular orchid, after which it is named. 20c. each; doz., \$2.00; \$12.50 per 100.

**Chicago White.** One of the leading varieties for cut flower purposes. 10c. each; doz., 85c.; \$6.00 per 100.

**Conspicuous.** A most distinct variety of the Blue Flowered Gladiolus; color, light blue, darker spots, with yellow centre. 20c. each; doz., \$2.25; \$16.00 per 100.

**Fire King.** Intense scarlet; very fine flowers; well deserves its name. Sc. each; doz., 80c.; \$5.00 per 100.

**Goliath.** Extra fine dark purple maroon; a very showy variety and should be in every collection. 15c. each; doz., \$1.50; \$10.00 per 100.

**Halley.** Very large, well expanded flowers of a lovely salmon pink; the lower segments are blotched yellow with carmine markings; robust grower. Sc. each; doz., 80c.; \$5.50 per 100.

**Klondike.** The flowers are of medium size and of great substance; clear primrose yellow with a crimson blotch in the throat. Of dwarf habit. 6c. each; doz., 60c.; \$4.00 per 100.

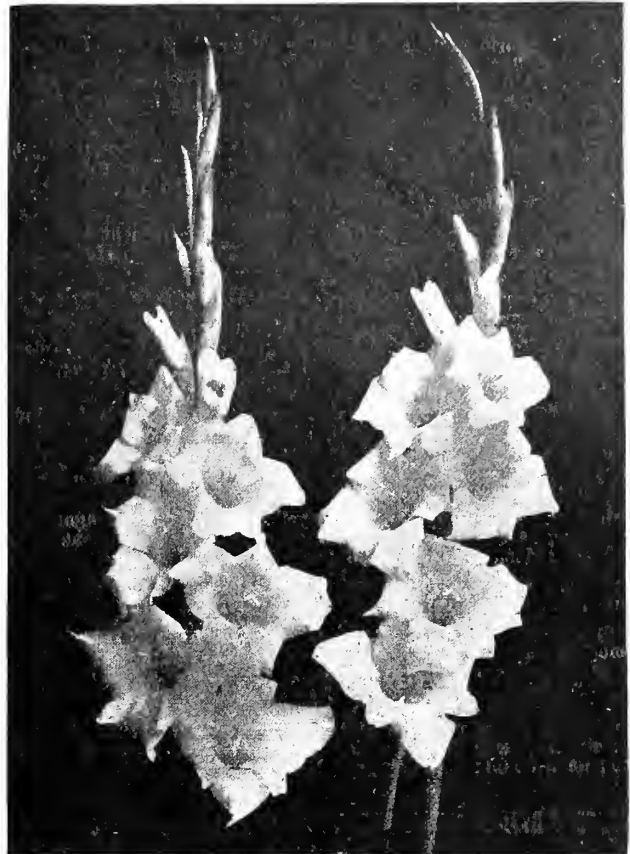
**Lily Lehman.** Blush white, tinged with pink; splendid flowers, arranged around the stem like water lilies. 15c. each; doz., \$1.50; \$10.00 per 100.

**Lily White.** For price and description, see top of this column.

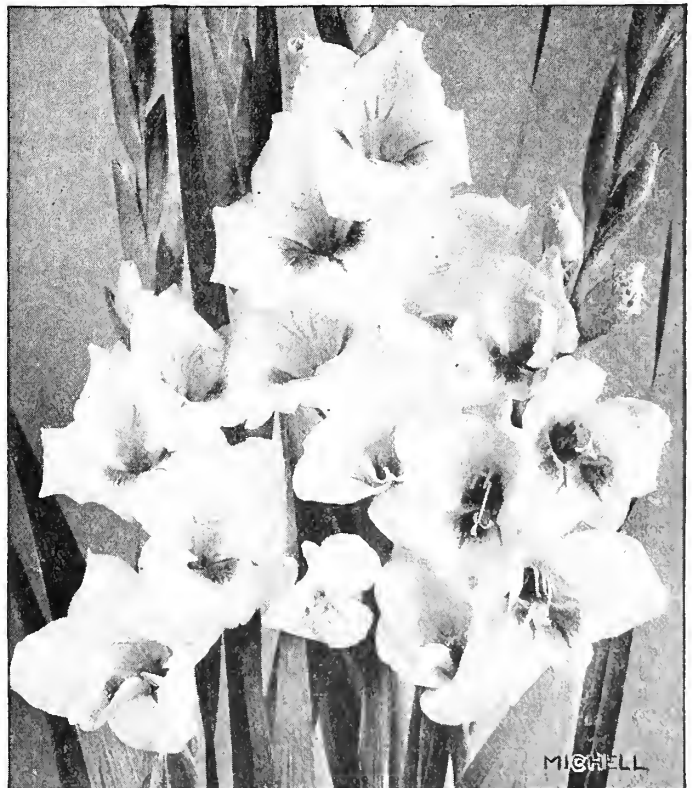
**Mrs. Francis King.** A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. Sc. each; doz., 80c.; \$5.50 per 100.

**Mrs. Frank Pendleton, Jr.** One of the most exquisitely colored and formed Gladiolus in our entire list. The color is a delicately flushed salmon pink, extending to the reverse side of the petal, as well as in the centre. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. 15c. each; doz., \$1.50; \$8.00 per 100.

**Niagara.** A shade of rich cream combined with canary yellow; the individual flowers are very large and are borne in pairs, one opposite the other. 15c. each; doz., \$1.25; \$8.00 per 100.



Gladiolus, Lily White



Gladiolus, Niagara

# MICHELL'S SUPERB GLADIOLI—Bulbs

## NAMED SORTS (Continued)

**Panama.** For form and habit this has all the desirable features of the variety "America," but the wonderful color can best be described by comparing it with that of the popular rose, "Mrs. Jno. Laing," an incomparable rose pink. 15c. each; doz., \$1.50; \$8.00 per 100.

**Peace.** A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows enormous flowers, well placed all along the stem. 12c. each; doz., \$1.20; \$7.00 per 100.

**Pink Perfection.** Rose pink, with 8 to 10 flowers open at one time. The flowers are well expanded and of the most perfect form. 15c. each; doz., \$1.50; \$9.00 per 100.

**Pride of Hillegom.** An extra fine scarlet variety; flowers large; plant strong and sturdy. 40c. each; doz., \$4.00; \$30.00 per 100.

**Primulinus.** Very thin, wiry, slender stems, decked with clear canary yellow flowers of medium size. 8c. each; doz., 75c.; \$5.00 per 100.

**Primulinus Major Hybrids.** From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. 10c. each; doz., \$1.00; \$6.00 per 100.

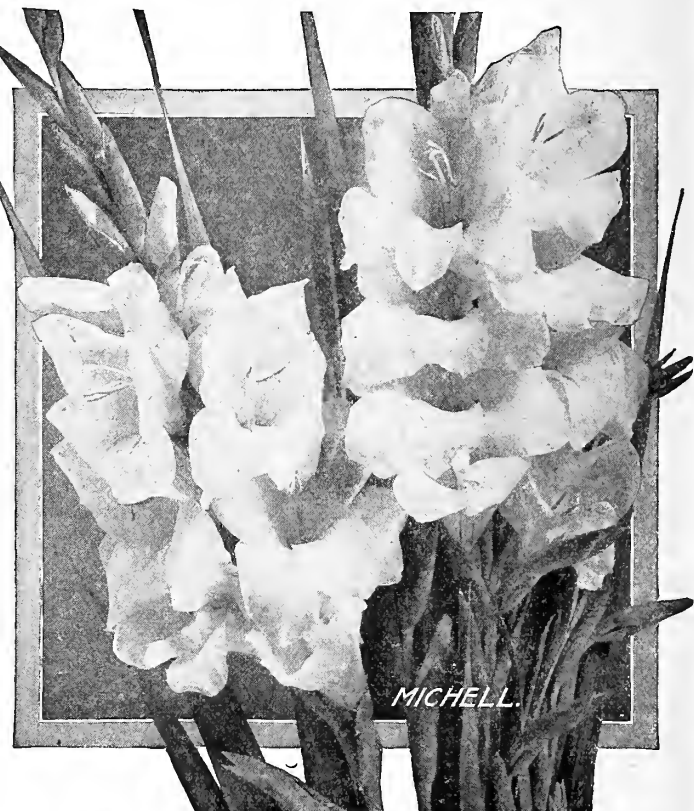
**Schwaben.** One of the newer of the yellow varieties; a magnificent cut flower, because the flowers all open pretty much at one time. 15c. each; doz., \$1.50; \$10.00 per 100.

**Scribe.** Soft rose, shaded carmine; large open flowers of great beauty. 8c. each; doz., 85c.; \$6.00 per 100.

**Shakespeare.** A very dainty white; slightly suffused rose. Well opened flowers. 10c. each; doz., \$1.00; \$7.00 per 100.

**War.** One of the largest flowered sorts; deep blood red, shaded crimson. 15c. each; doz., \$1.50; \$8.00 per 100.

**White Giant.** An extra large white of great substance; slight markings on the lower petals, which rather enhance its beauty. 50c. each; doz., \$5.00; \$32.50 per 100.



Gladiolus America

## UNNAMED GLADIOLI (In Separate Colors)

	Each	Doz.	100
White and Light Shades.....	\$0.06	\$0.65	\$4.00
Yellow in All Shades.....	.07	.75	4.50
Scarlet .....	.06	.65	4.00
Pink .....	.06	.65	4.00
Striped and Variegated.....	.06	.65	4.00

## MIXTURES OF GLADIOLI

**Michell's Giant Flowering.** Every bulb for this mixture has been selected with the utmost care for coloring and size of flower; no other mixture can boast of such careful selection. It is principally grown in our own nursery. 6c. each; per doz., 65c.; \$4.00 per 100; \$32.50 per 1000.

	Each	Doz.	100	1000
Groff's New Hybrids. Extra fine....	\$0.06	\$0.65	\$4.00	\$32.50
Extra Choice. All colors mixed.....	.05	.50	3.00	22.50

## SILVER TROPHY STRAIN MIXTURES

A very superior selection of what is generally known as mixture, and offers the opportunity to do one's planting in shades of the same character.

**Section 1.** This embraces all the shades of scarlet, red and crimson. 5c. each; per doz., 45c.; \$3.00 per 100.

**Section 2.** The cream of all the yellow, pink, white and light shaded colors. 7c. each; per doz., 60c.; \$3.25 per 100.

**Section 3.** Lilac, heliotrope, violet and all the shades of light and dark blue. 7c. each; per doz., 65c.; \$3.50 per 100.

## IMPORTANT MEMORANDA

Most people want the biggest bulbs they can get. Many varieties of gladioli produce only medium-sized bulbs and for that reason should not be condemned. This is especially true in the case of mixed gladioli, either in colors or shades of color. The smaller bulbs are frequently the finest varieties.



Gladiolus, Primulinus Major Hybridus Var.

6 bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1,000 rates.

(oe)



Michell's  
"Giant Flowering" Hardy Mallows  
In mixture only embracing the above colors;  
strong field-grown roots, that will bloom pro-  
fusely the first year.  
25c each; dozen, \$2.50; \$15.00 per 100.

**MICHELL'S "GIANT FLOWERING" HARDY MALLOW**



Michell's "Gorgeous Everblooming"  
 Hardy Hybrid Tea Roses, in extra strong  
 pot-grown plants, that will bloom profusely  
 this year:

Each	Doz.	100
\$1.25	\$12.00	\$95.00
1.00	10.00	80.00
1.25	12.00	95.00
Columbia		
My Maryland		
Premier		

(Or one each for \$3.00 by express)

**MICHELL'S "GORGEIOUS EVERBLOOMING" HARDY HYBRID TEA ROSES**

# MICHELL'S POT-GROWN HARDY ROSES

109

We have placed a letter adjoining each sort to denote its class. T indicates Tea Variety; HT indicates Hybrid Tea Variety; HP indicates Hybrid Perpetual.

## SPECIAL DIRECTIONS FOR PLANTING AND CARING FOR ROSES

Open a good space in the soil and spread out roots; never cramp them into a small hole. Do not let manure come in contact with roots, but place it underneath and a layer of soil on the top. If the rose is a bush plant, set it so deep that only branches are visible above the ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent, and remove what might appear to be surplus wood. The strongest growth should be cut back to within six inches above the ground; the weaker growth to 4 inches. All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer with cow manure or with Peat Moss. As winter approaches draw soil 6 to 8 inches high around the stem; this avoids winter killing, especially the HT and T varieties; then cover with long manure or similar litter.



Countess Clanwilliam

**American Beauty** (Climbing). A rose which has come to stay. It possesses the deep pink color of one of its parents (American Beauty), and also its very delightful fragrance. We have here a combination of qualities very rarely found in Climbing Roses. The plants often make canes 15 feet long in a season; the flowers are 3½ to 4 inches in diameter, and produced in great profusion, not only during May and June, but off and on all summer. Extra strong plants, \$1.00 each; doz., \$10.00.

**American Pillar** (Climbing). Single; flowers large, 2½ to 3 inches in diameter, of a rich shade of pink with a distinct white centre; produces immense clusters, being very showy and attractive. The growth is exceptionally strong; foliage a shiny dark green, and insect-proof. An additional attraction in autumn are the clusters of red seed berries. Extra strong plants, \$1.00 each; doz., \$10.00.

**Augustine Guinoisseau** (HT). A pure white member of the La France family, having just a tinge of rose-blush pink, which grows stronger in the depths of the petals. Extra strong plants, \$1.25 each; doz., \$13.50.

**Baby Rambler** (Dwarf). One of the most useful and ornamental roses; it blooms in immense clusters similar to Crimson Ramblers, but grows only 20 inches high. Color, clear and brilliant ruby red, foliage dark and glossy. Extra strong plants, \$1.00 each; doz., \$10.00.

**Betty** (HT). A strong, vigorous grower, with deliciously fragrant flowers of a coppery rose color, shaded golden yellow; very free. Extra strong plants, \$1.00 each; doz., \$10.00.

**British Queen** (HT). A wonderful new variety; large, pure white flowers. Extra strong plants \$1.00 each; doz., \$10.00.

**Cecil Brunner** (Baby Rambler) (Sweetheart). It is difficult to imagine a more dainty rose than this. It is perfectly double, rosy pink on a cream white ground. It has a true tea-rose scent. For rose bowls or miniature vases this makes beautiful cut flowers. Strong plants, 75c. each; doz., \$8.00.

## MICHELL'S COLOR PLATE ROSES

We have selected for this three of what we consider the best everblooming hybrid tea pink varieties, and they are truly worth featuring; one of them is not a recent introduction, while the other two are what might be termed novelties. We will not feature them here for colors, as the plate, which was made from a drawing of the natural flowers, will best do that. It might be well, though, to comment on their vigor as to hardiness and strong growth. In both of these features all three sorts excel most others in their class and color.

**Premier** (new). Of wonderful fragrance, with long, stiff, almost thornless stems and leathery, handsome foliage; exceedingly free bloomer. Extra strong plants, \$1.25 each; doz., \$12.00; \$95.00 per 100.

**Columbia** (new). This has been termed with the florist "the all-the-year-round" variety, because of its wonderful freedom of bloom. The stems are almost thorn-free; grows well in most every locality. Extra strong plants, \$1.25 each; doz., \$12.00; \$95.00 per 100.

**My Maryland**. This variety needs no introduction to rose growers, as it has been thoroughly tried and proven. A splendid grower, free of bloom and flowers of good substance and delightful fragrance. Extra strong plants, \$1.00 each; doz., \$10.00; \$80.00 per 100.

**SPECIAL OFFER**—One each of the color plate roses above described for \$3.00, expressed.



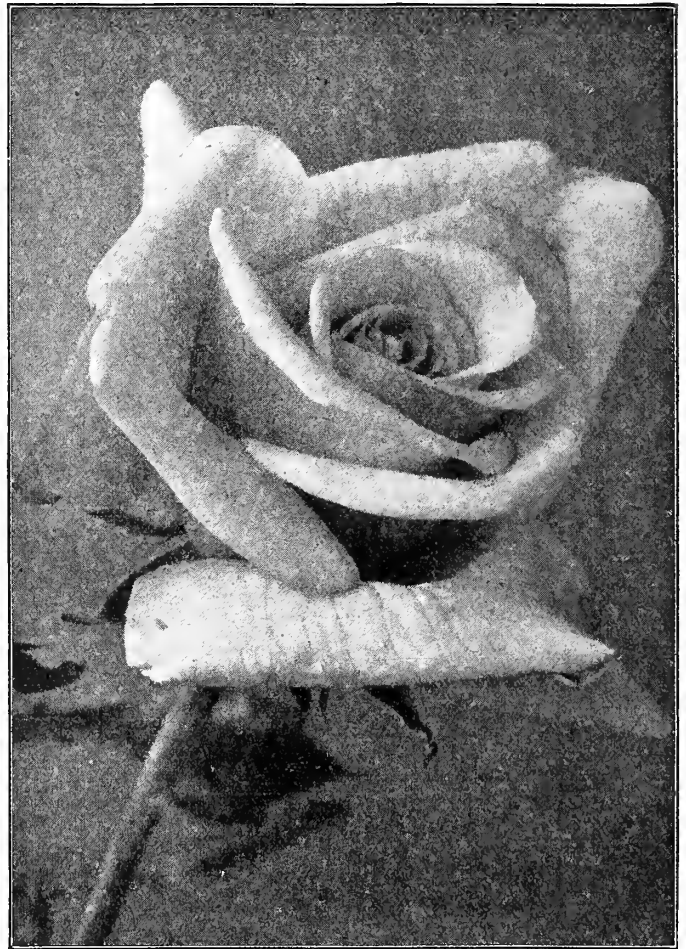
Dean Hole

Pot-grown Roses are ready for shipment about May 1.

(oe)

# MICHELL'S POT-GROWN HARDY ROSES

- Christine Wright** (Climbing). One of the newer varieties, and a cross between the popular Hybrid Tea, Caroline Testout and a seedling. The color of the flower is a bright rose-pink; measures  $3\frac{1}{2}$  to 4 inches across, is of perfect form, beautiful in the bud and acceptable in the fully developed flower. During June it is at its best, but continues to give flowers throughout the entire season. This is sure to give satisfaction. Strong plants, 75c. each; doz., \$8.00.
- Countess Clanwilliam** (HT). Color peach pink at base of petals, edged with deep cherry red. Extra strong plants. \$1.00 each; doz., \$10.00.
- Conrad Ferd Meyer** (Rugosa). Double, light pink. Extra strong plants, 75c. each; doz., \$7.50.
- Dean Hole** (HT). Light carmine, shaded rose, and flushed old rose at base of petals. Extra strong plants. \$1.00 each; doz., \$10.00.
- Dorothy Perkins** (Climbing). Pink flowers in long sprays which are very fragrant and lasting; a deservedly popular rose. Extra strong plants, 75c. each; doz., \$8.00.
- Edvard Mawley** (HT). One of the finest of all dark crimson roses; a true perpetual Hybrid Tea. Extra strong plants, \$1.00 each; doz., \$10.00.
- Ellen Poulson** (Baby Rambler). Brilliant dark pink; very sweet scented; vigorous habit. Extra strong plants, 75c. each; doz., \$8.00.
- Etoile de France** (HT). Intense brilliant crimson of fine fragrance, producing elegant pointed buds, which open an extra large flower. Extra strong plants, \$1.00 each; dozen, \$10.00.
- Frau Karl Druschki** (HP). Pure white; very large; frequently called the White American Beauty. Extra strong plants, \$1.00 each; doz., \$10.00.
- General MacArthur** (HT). Bright scarlet; long, large, full bud; very free flowering and fragrant. Extra strong plants. \$1.00 each; doz., \$10.00.



**Ophelia**

- General Jacqueminot** (HP). Crimson scarlet; large, full and fragrant; one of the best known varieties in existence. Extra strong plants, \$1.00 each; doz., \$10.00.
- George Dickson** (HT). Velvety black crimson, the back of the petals veined with deep pure crimson maroon. A perfect exhibition variety; the blooms often 5 inches across, and has wonderful lasting qualities. Extra strong plants, \$1.00 each; doz., \$10.00.
- Gruss an Teplitz** (HT). Bright scarlet crimson, growing very free and flowering most profusely; one of the best all-around garden roses. Extra strong plants, \$1.00 each; doz., \$10.00.
- Hermosa** (Bourbon T). Its compact-growing bush is a mass of bright pink flowers from June till frost. An excellent rose for cemetery planting. Strong plants, 75c. each; doz., \$7.50.
- Irish Elegance** (HT). Single; buds bronzy orange scarlet, expanding to charming shades of apricot; vigorous grower and free bloomer. Extra strong plants, \$1.25 each; doz., \$13.50.
- Jonkheer J. L. Mock** (HT). One of the richest roses in cultivation. The flower is perfect, being a grand shade of deep pink, while the outer petals are silvery rose. A free bloomer. Extra strong plants, \$1.00 each; doz., \$10.00.
- Kaiserin Augusta Victoria** (HT). In color a soft pearly-white, slightly tinted with lemon in the centre; very fragrant. Extra strong plants, \$1.00 each; doz., \$10.00.
- Killarney** (HT). In shape nothing can approach this beautiful rose; its long perfectly shaped bud, which on the outside is of a delicate pink, unfolds a flower with a deeper pink on the inside. Extra strong plants, \$1.00 each; doz., \$10.00.
- Lady Gay** (Climbing). Cherry red buds, which when open are a soft pink; very free, and one of the most popular climbers. Extra strong plants, 75c. each; doz., \$7.50.
- Lady Hillingdon** (T). Deep coppery yellow, and an attractive long bud. It is very free in growth and a continuous bloomer. Extra strong plants, \$1.25 each; doz., \$13.50.
- Los Angeles** (HT). A luminous pink, shaded golden yellow at base of petals; of wonderful fragrance. The long pointed buds expand into an immense flower. Extra strong plants, \$1.75 each.

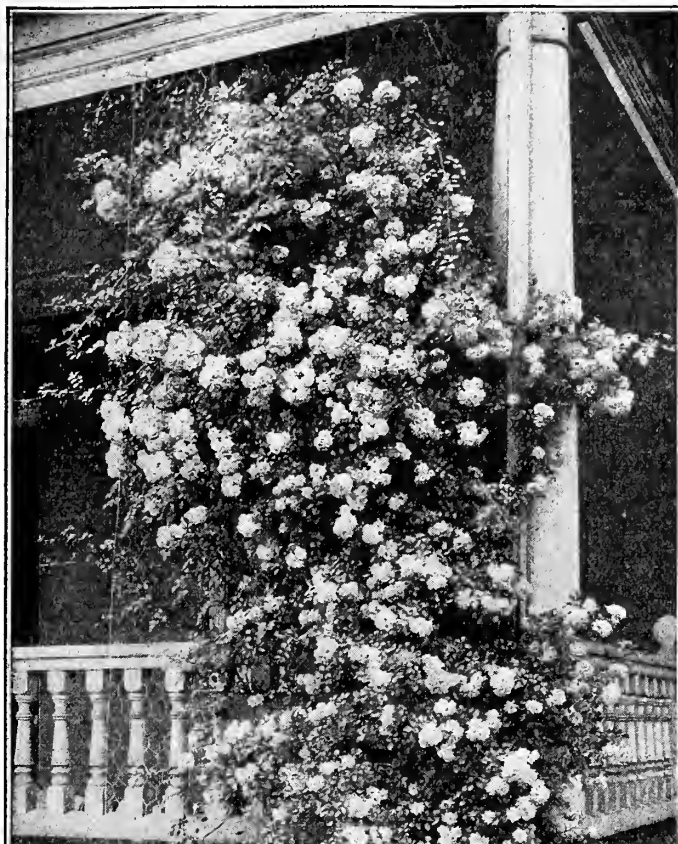


**Mrs. John Laing**

Pot-Grown Roses are ready for shipment about May 1st

(oe)





Dorothy Perkins (Pink)

**Mad. Jules Grolez (HT).** This magnificent variety is an exceedingly free bloomer, with large, finely-formed flowers. The color is a distinct and charming shade of cherry red. The fine form and attractive shape of the flowers makes them excellent for cutting. Extra strong plants, \$1.00 each; doz., \$10.00.

**Magna Charta (HP).** One of the largest; color, deep pink. Extra strong plants, \$1.00 each; doz., \$10.00.

**Maman Cochet (Pink) (T).** In the vicinity of Philadelphia this rose is grown perhaps more than any other on account of its many good qualities. The individual large flowers are often on stems 2 feet long, which makes it grand as a cut flower. The shade of color is a "Bridesmaid Pink." Extra strong plants, \$1.00 each; doz., \$10.00.

**Mme. Caroline Testout (HT).** One of the oldest and best varieties. The flowers are of a bright satiny rose shaded deeper in the centre; bud and flower are open or cup-shaped and are very double. Extra strong plants, \$1.00 each; doz., \$10.00.

**Mme. Edward Herriot (HP) (Daily Mail Rose).** Coral red, with yellow shadings at the stem, terminating in salmon red; a beautiful contrast of color, which brings out in great distinctiveness the strong individuality of this charming variety. It should be included in every collection of roses. Flowers are very large and double. Extra strong plants, \$1.00 each; doz., \$10.00.

**Mme. Leon Pain (HT).** Silvery flesh pink, centre yellowish orange; full and free. Extra strong plants, \$1.00 each; doz., \$10.00.

**Mrs. Aaron Ward (HT).** A conspicuous rose on account of its coloring; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer and the flowers are exquisite. Extra strong plants, \$1.00 each; doz., \$10.00.

**Mrs. Charles Russell (HT).** A grand rosy pink; blooms of large size. Extra strong plants, \$1.25 each; doz., \$13.50.

**Mrs. John Laing (HP).** One of the older varieties, but still without a peer. Soft pink, very fragrant and full flowers. It has all the good qualities a rose should possess. Extra strong plants, \$1.00 each; doz., \$10.00.

**Mrs. W. Cutbush (Pink Baby Rambler).** A cerise pink; a persistent bloomer, with very double flowers. Extra strong plants, \$1.00 each; doz., \$10.00.

**Ophelia (HT).** A vigorous grower with salmon-flesh shaded pink flowers, which are of perfect shape and very large; long stiff stems, which make it ideal for cutting. Strong plants, \$1.00 each; doz., \$10.00.

**Orleans (Baby Rambler).** Rich, brilliant red flowers, which turn to pink as they become older. The centre of the flower is white. Extra strong plants, \$1.00 each; doz., \$10.00.

**Paul Neyron (HP).** Deep satiny rose; a giant flower. Extra strong plants, \$1.00 each; doz., \$10.00.

**Radiance (HT).** A rose that will please everybody. Beautiful in form and free-flowering. Color is a brilliant carmine pink, shaded yellow at the base of the petals. Extra strong plants, \$1.00 each; doz., \$10.00.

**Safrano (HT).** Valued very highly for its beautiful buds and handsome flowers. Color, bright apricot yellow, passing to orange and fawn, sometimes tinted with rose. Vigorous, healthy and blooms all summer. Extra strong plants, \$1.25 each; doz., \$13.50.

**Souvenir de President Carnot (HT).** Handsome large flower on a stiff, erect stem. Easily one of the best in the Hybrid Tea class. Color, a delicate soft pink, changing to white. Extra strong plants, \$1.00 each; doz., \$10.00.

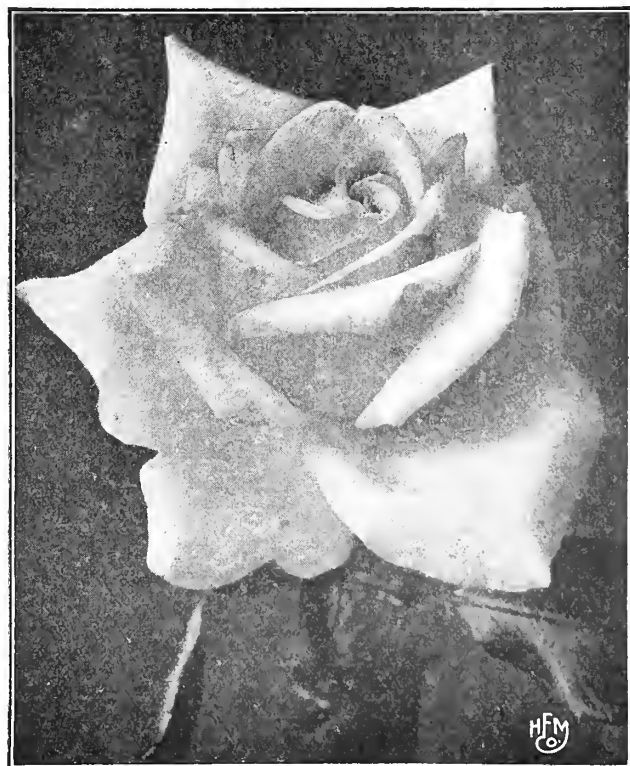
**Sunburst (HT).** Long pointed buds; golden orange flowers. Extra strong plants, \$1.25 each; doz., \$13.50.

**Silver Moon (Climbing).** Gigantic pure white flowers (resembling somewhat a Clematis bloom), frequently 5 inches in diameter. This is the ideal climbing rose for planting along fences, while for pillar and trellis work it is equally satisfactory. It has a delicate rose scent, and the flower stems are frequently 15 inches long. The foliage is rich green, at times shaded bronze. Extra strong plants, 75c. each; doz., \$8.00.

**Tausendschoen (Climbing).** One of the best climbing roses yet introduced. Very free flowering. Color, an exquisite shade of soft pink, which changes to a rosy carmine when fully open; individual flowers large. Extra strong plants, 75c. each; doz., \$8.00.

**Ulrich Brunner (HP).** Bright cherry red with large full flowers. Extra strong plants, \$1.00 each; doz., \$10.00.

**White Dorothy Perkins (Climbing).** Extra strong plants, 75c. each; doz., \$8.00.



Sunburst

# MICHELL'S HARDY PERENNIAL PLANTS

Our hardy perennial plants are perfectly hardy and thoroughly acclimated, invariably giving real results and flowering the season of planting. Order early and plant as early as possible, or as soon as the frost is permanently out of the ground. We grow our perennials principally in pots, though we also have at times field-grown plants, and we will fill your order with which ever stock gives you the best value or results at the time it is executed. You may rely upon our judgment in this con-

nection. During the past autumn we have had constructed a splendid range of concrete frames for wintering over perennials—in fact, they have been pronounced by experts to be the best equipment of their kind ever seen. Our list of perennial plants has been greatly increased as to variety, but only those of known usefulness, distinctiveness and merit have been added. Our book on "Hardy Perennials" is an instructive publication, and it can be had free on request.

All plants are forwarded on receipt of order unless instructed to the contrary, and are sent by Express, purchaser paying charges. We can forward small plants or small numbers of plants by Parcel Post, and if wanted sent in this way add 10 per cent. to value of order for postage to points east of the Mississippi River, and 20 per cent. to points west of the Mississippi River.

## ACANTHUS (Bear's Breech)

**Mollis Latifolius.** A handsome decorative plant of stately effect, with deeply-toothed, heart-shaped leaves, 2 feet long; excellent either for planting as single specimens on the lawn or in the border, or for grouping with other plants for sub-tropical effect, producing 3-foot-high spikes of curious rose-colored flowers during August and September. 35c. each; doz., \$3.50.

## ACHILLEA (Milfoil or Yarrow)

**Eupatorium** (Fern-leaved Yarrow). Finely-cut foliage and brilliant yellow heads of flowers, lasting in full beauty all summer; 4 to 5 feet.

**Millefolium Cerise Queen** (Rosy Milfoil). Finely cut, deep green foliage; flowers cherry red in dense heads; 18 inches high.

**Ptarmica Fl. Pl.** "The Pearl." Pure white flowers borne in the greatest profusion the entire summer on strong, erect stems, 2 feet high; as a summer cut flower it is of great value.

**Ptarmica Boule de Neige** (Ball of Snow). An improvement on The Pearl; the flowers, while not quite so large, are of more perfect form, with fuller centres, which makes it appear purer in color. Price, 35c. each; doz., \$3.50; \$20.00 per 100.



Achillea, The Pearl

## SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply plants of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

## ACONITUM (Moonshood or Helmet Flower)

All these varieties form bushy clumps; invaluable for planting under trees or in shady or semi-shady positions.

**Napellus.** Large, dark blue flowers; 4 feet; August to September.

**Fischeri.** A dwarf variety growing 18 inches high, with large, pale blue flowers in September and October.

**Sparks' Variety.** The darkest blue of all; flowers in June; 4 feet.

**Wilsoni.** Of strong, stately habit, growing 5 to 6 feet high; with large violet blue flowers in September.

Price, 35c. each; doz., \$3.50; \$20.00 per 100.

## AGROSTEMMA (Rose Campion)

Stout, erect-growing plants, with silvery foliage, which contrasts well with the showy flowers, which are produced during June and July.

**Coronaria** (Mullein Pink). Bright rosy crimson; 2½ to 3 feet.

**Coronaria Alba.** A pure white variety.

**Flos Jovis.** Deep pink.

25c. each; doz., \$2.50; \$15.00 per 100.

## AJUGA (Bugle)

**Reptans rubra.** A useful plant for the rockery and for carpeting the ground, particularly in shady positions, as under trees where grass will not grow; large spikes of purplish blue flowers in May. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## ALYSSUM (Gold Dust or Basket of Gold)

Splendid edging plants. Ideal for rockery; grows about a foot high.

**Saxatile Compactum.** Golden yellow. 25c. each; doz., \$2.50; \$15.00 per 100.

## AMSONIA

**Salicifolius.** A stout, shrub-like plant, growing about 2 feet high, with terminal spikes of light steel-blue flowers; desirable to intersperse in clumps in the front row of the shrubbery border. 25c. each; doz., \$2.50; \$15.00 per 100.

## ANCHUSA (Sea Bugloss)

**Italica.** "Dropmore Variety." Plants grow 4 feet high in pyramidal shape, branch freely and are loaded with bright blue, Forget-me-not-like flowers in June; very showy and valuable. 30c. each; doz., \$3.00; \$17.50 per 100.

**Mysotidiflora.** A distinct new species from the Caucasian mountains, growing but 10 to 12 inches high, producing during April and May sprays of beautiful Forget-me-not-like flowers of rich blue. 35c. each; doz., \$3.50; \$20.00 per 100.

**Opal.** Pale blue, very large flowers. 30c. each; doz., \$3.00; \$17.50 per 100.

## "Hardy Perennials and How to Grow Them"

A comprehensive treatise of 48 pages, including plants for hardy borders, together with a complete list of varieties. This book is free. Send for a copy.



Anemone—Japonica

## ANEMONE JAPONICA (Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; flowers are cup form, and appear in August and remain till frost. They require winter protection with leaves, straw or long manure, which amply repays one for the extra trouble taken.

**Pennsylvanica** (Pennsylvania Windflower). The prettiest of our native Windflowers, growing 12 to 15 inches high, and producing its large white flowers in the greatest profusion from June to August; an excellent plant, either for the border or the rockery, and succeeds equally well in sun or shade.

**Japonica Alba**. Large, snowy-white; very chaste.

**Japonica Rubra**. Beautiful rosy-red; stamens bright yellow.

**Queen Charlotte**. Very large semi-double flowers of La France pink, a color that is rare among hardy plants.

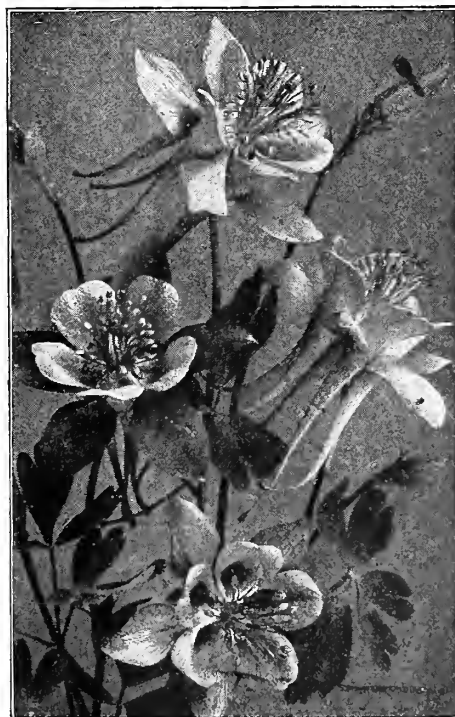
**Whirlwind**. Large, semi-double pure white flowers, very free.

**Price**. Any of the above, 25c. each; \$2.50 per doz.; per 100, \$15.00.

## AQUILEGIA (Columbine)

For spring blooming these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their attractive foliage, during May and June. For rockery gardens, semi-shaded places, in hardy borders or planted in clumps, they are very effective.

**Mitchell's Long-spurred Hybrids**. This is the most admired type of Columbines. They have been produced from the strains of several famous hybridizers and are much superior to the usual grade. The plants are of strong, thrifty growth. The flowers of largest size vary in color through charming tones of cream, pink, lavender, blue, white, red, etc., hardly any two being exactly alike. We offer them in mixed colors only.



Aquilegia or Columbine, Mitchell's L. S. Hybrids

## AQUILEGIA (Continued)

**Canadensis** (Common American Columbine). The native bright red and yellow variety, and one of the brightest.

**Chrysantha** (Golden Columbine). Bright yellow, long-spurred flowers.

**Coerulea** (Rocky Mountain Columbine). Bright blue and white long-spurred flowers.

**Flabellata Nana Alba**. A dwarf growing, pure white variety.

**Rose Queen**. A newer variety of a pleasing shade of delicate pink, long-spurred flowers.

Price of all Aquilegias, 25c. each; doz., \$2.50; \$15.00 per 100.

## ANTHEMIS (Marguerite)

**Tinctoria**. This hardy Marguerite is one of the most satisfactory summer-flowering perennials, succeeding in the poorest soil; of bushy habit, growing about 15 inches high, and producing its large golden-yellow daisy-like flowers continuously during the entire summer.

**Tinctoria Alba**. Creamy-white flowers with yellow centre. 25c. each; doz., \$2.50; \$15.00 per 100.

## ARABIS (Rock Cross)

**Alpina**. One of the most desirable of the very early spring-flowering plants that is especially adapted for edging and for the rock garden, but does equally well in the border, forming a dense carpet, completely covered with pure white flowers. Lasts for a long time in bloom.

**Alpina Rosea**. A new delicate rose-tinted variety. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## ARMERIA (Sea Pink or Thrift)

Attractive dwarf plants that will succeed in any soil, forming evergreen tufts of bright green foliage, from which innumerable flowers appear in dense heads, on stiff, wiry stems, from 9 to 12 inches high. They flower more or less continuously from early spring until late in the fall. Very useful in the rockery.

**Lauchena Rosea**. Bright rose.

**Lauchena Alba**. White.

**Price**. Either of the above, 25c. each; \$2.50 per doz.; per 100, \$15.00.

## ARTEMISIA LACTIFLORA

Unlike the other varieties offered, which are grown for their foliage, this comparatively new introduction from China is a most effective flowering plant, with erect stems  $3\frac{1}{2}$  to  $4\frac{1}{2}$  feet high, clothed with elegantly cut dark green foliage and terminated by panicles of Hawthorn-scented, creamy white Spiraea-like light and graceful flowers. It is at its best from the latter part of August to the end of September, and is particularly valuable on this account, being unlike any other plant in bloom at that time. (See illustration on page 114.) 35c. each; \$3.50 per doz.; per 100, \$18.00.

## ARTEMISIA

A most useful class of plants either for the border or for filling in within the shrubbery. With the exception of the new variety *Lactiflora*, they are not remarkable for their flowers; the foliage of the sorts offered is very ornamental. All these varieties offered stand cutting down to 5 or 6 inches when used in carpet or ribbon bedding.

**Abrotanum** (Old Man, or Southern-wood).

Dark green, finely cut foliage, with pleasant aromatic odor, 2 feet.

**Stelleriana** (Old Woman). Deeply-cut silvery foliage; much used in carpet bedding; 18 inches.

25c. each; \$2.50 per doz.; per 100, \$15.00.

## ASCLEPIAS (Butterfly Weed)

**Tuberosa**. Very showy native plants, about 3 feet high, producing their flowers of brilliant orange-scarlet during July and August. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## ASPERULA (Woodruff)

An old-fashioned favorite perennial, grown in the half-shade, whose leaves are used for flavoring the May wine in Germany, and when dried, like Lavender, they can be placed among clothes, as they retain their fragrance for years.

**Odorata** (Sweet Woodruff). Very pretty little plant, with snowy white flowers, scentless when fresh, but when dried, diffuses an odor like that of spring grass. Not only scents clothes, but said also to preserve them from moths. 6 to 12 inches. 25c. each, \$2.50 per dozen.

# MICHELL'S HARDY PERENNIAL PLANTS

## ASTILBE

The varieties offered below are stately, hardy plants, and succeed best in rather heavy soil and where they will not suffer for lack of moisture.

**Davidi.** An important hardy plant. Its 5 to 6 feet high stems, which rise from a tuft of pretty dark green foliage, are crowned with feathery plumes of deep rose-violet flowers during June and July.

**Grandis.** A grand species and a fine companion to *A. Davidi*, being of similar habit of growth, the panicles of white flowers frequently 2 to 2½ feet long; the foliage is much divided and attractive.

Either of the above, 35c. each; \$3.50 per doz.; \$25.00 per 100.

## ASTILBE ARENDSI

This new type is the result of crossing *A. Davidi* with *A. Japonica Compacta*, *Astilboides* and *Thunbergi*. The plants are of very vigorous growth, 2½ to 3½ feet high, producing many-branched feathered heads of flowers in June and July. They prefer a half-shady, moist position in any ordinary garden soil.

**Ceres.** Delicate light rose-colored flowers, with peculiar silvery sheen.

**Salmon Queen.** Graceful panicles of a beautiful salmon pink.

**Venus.** Similar to *Ceres*, but of bright, deep violet-rose color.

**Vesta.** Very graceful plumes of light lilac-rose.

**White Pearl.** Pearly-white flowers.

Price. Any of the above, 35c. each; doz., \$3.50.

## HARDY ASTERS

Tall-flowering, stately plants, which may be used with splendid effect in borders or in clumps as specimens on lawns, in large groups or beds. They form the basis of a color scheme in a perennial border during the months of September and October, and last well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in sun or partial shade. For cutting they are invaluable. The wide range of color makes this one of our finest summer and autumn-flowering perennials.

## DWARF ALPINE ASTERS

**Alpinus.** Indispensable for the rockery or edge of hardy borders; grows 6 to 10 inches high and bears large, showy bluish-purple flowers in May and June.

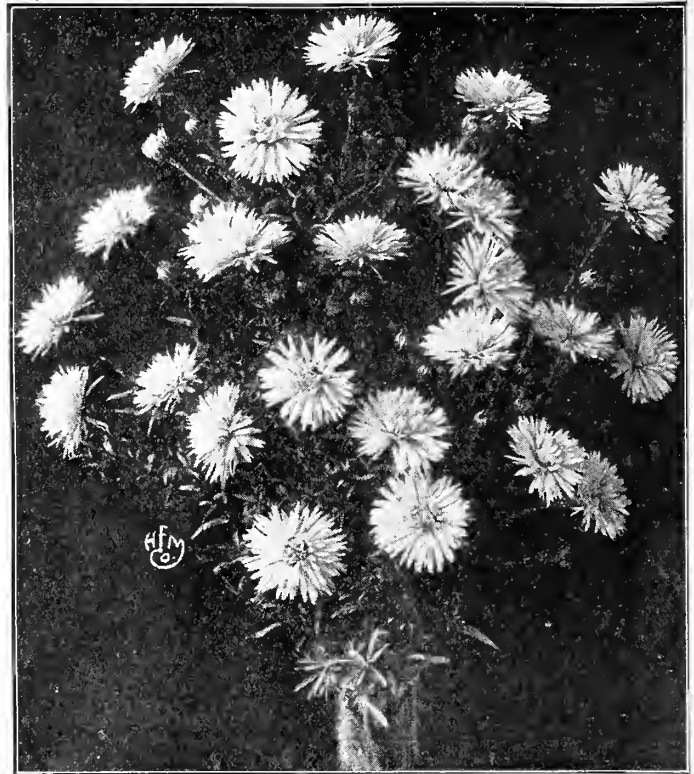
**Alpinus Albus.** Identical to the above, but with pure white flowers.

**Sub-coeruleus.** Dense tufts of leaves; stems 12 inches high and leafless; large bluish-violet flowers, in June and July.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.



*Artemisia Lactiflora* (See Page 113)



Aster—Glory of Colwall

## HARDY ASTERS (Continued)

### Summer Flowering Varieties

**Abendrothe.** Very effective rosy-red flowers, 2½ feet.

**Feltham Blue.** One of the most decorative free-flowering varieties; color, a pretty shade of aniline blue; August and September; 2½ feet high.

**Glory of Colwall.** A splendid improvement on the variety *Beauty of Colwall*, with good-sized, nearly double, ageratum-blue flowers; remarkably free flowering; 2½ feet, September and October.

**Novi Belgii Climax.** Of strong, vigorous habit, 5 feet high; branched pyramidal-shaped flower stems; lavender-blue flowers, August-October.

**Amellus Beauty of Ronsdorf.** Of a tender lilac-rose; perfect in form and entirely distinct.

**Perry's Favorite.** A most distinct bright, clear rose.

**Summer Beauty.** An exquisite shade of light blue; very large flowers, commencing to bloom in the late summer and continuing almost up to frost time; height, about 4 feet.

Price of any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

### FALL OR AUTUMN FLOWERING VARIETIES

**Formosissimus.** Bright violet blue; height, 3 ft.

**Novi-Belgii, The Queen.** A splendid variety; bluish white; 4 to 5 ft. high.

**Robert Parker.** Pale heliotrope; height, 4 ft.

**Snowflake.** Very free bloomer; pure white; height, 2 ft.

**Tartaricus.** Very large; distinct bluish violet; extremely late to bloom; height, 6 ft.

**Mrs. F. J. Raynor.** Delicate lavender.

**Mrs. E. Beckett.** Very large, dark blue flowers.

**Don.** Large blue flowers suffused with pink, bright yellow centre, somewhat after the style of *Climax*. 4 to 5 feet; September.

**St. Egwin.** Densely branched, producing beautiful pink flowers; 3 feet; September.

**Perry's Favorite.** A pleasing bright pink; one of the best in this color; September.

**Photograph.** Flowers white, shaded lavender; 2½ feet.

Price of the above, 25c. each; doz., \$2.50; \$17.50 per 100.

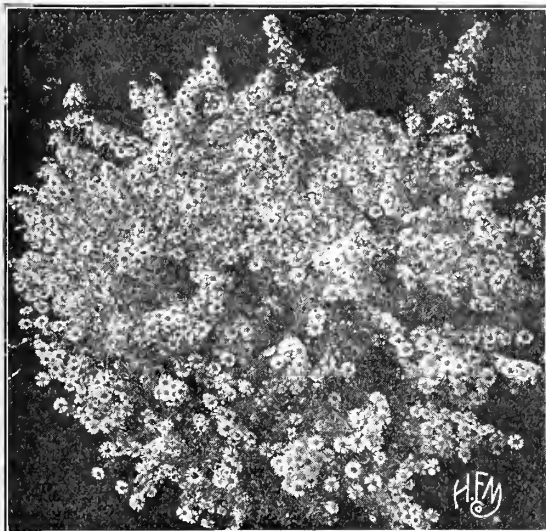
## AUBRETIA (Rock Cress; False Wall Cress)

The most popular evergreen trailers, with dense, cushion-like growth of silvery foliage and wonderfully free flowering in the spring. Perfectly hardy. Planted in the crevices of old walls and on rock ledges, it produces cascades of bloom.

**Graeca.** Blue.

**Leitchlini.** Delicate lavender.

Price, 25c. each; doz., \$2.50; per 100, \$15.00.



*Boltonia Latisquama*

## BAMBUSA (Bamboo Cane)

These should be used prominently in every large flower garden and shrubbery border. Isolated clumps under large trees or by the side of streams or lakes are both useful and attractive treatments with this ornamental grass.

**Metake.** A handsome, hardy dwarf, much-branched species, forming grand specimens and producing its flowers very freely. 4 to 6 feet. Price, strong plants, 75c. each; \$7.50 per doz.

## BAPTISIA (False Indigo)

**Australis.** A strong-growing plant, about 2 feet high; suitable either for the border or wild garden, with dark green, deeply-cut foliage and spikes of dark blue flowers in June.

**Tinctoria.** Spikes of bright yellow flowers in June; 2 to 2½ feet. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## BELLIS PERENNIS (English Daisy)

Improved double-flowering, white and pink; each separate. 15c. each; \$1.50 per doz.; per 100, \$10.00.

## BOCCONIA

### (Plume Poppy, or Tree Celandine)

**Cordata.** A noble, hardy perennial, beautiful in foliage and flower, admirably adapted for planting in the shrubbery borders, centre of beds and in bold groups in almost any position. It will grow in any soil or situation, attaining from 6 to 8 feet in height; flowers in terminal panicles, of a creamy-white color during July and August. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## BOLTONIA (False Chamomile)

Among the showiest of our native hardy perennial plants, with large, single, Aster-like flowers. The plant is in bloom during the summer and autumn months, and with its thousands of flowers open at one time, produces a very showy effect. (See cut.)

**Asteroides.** Pure white; very effective; 5 to 7 feet.

**Latisquama.** Pink, slightly tinged with lavender, 4 to 6 feet.

25c. each; \$2.50 per doz.; per 100, \$15.00.

## CALIMERIS (Starwort)

Asian herbs, united with the Asters, but horticulturally distinct; of low growth, and suited to the border in front of strong plants.

**Incisa.** Flowers large, purple-rayed to pale lavender, and yellow centered. 18 inches to 2 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

## HARDY BORDER CARNATIONS

Choice mixed seedlings produced from seed. We supply strong plants that will furnish an abundance of double flowers this season. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## CARYOPTERIS (Blue Spirea)

Handsome perennials, free flowering, of bushy habit, very valuable for their late blooming season. For bedding or pot culture.

**Mastacanthus.** Rich violet flowers produced in great profusion the whole length of the branches. 2 feet to 3 feet. September and October. 25c. each; doz., \$2.50; \$15.00 per 100.

## CAMPANULA (Bell Flower)

Showy perennial plants of special merit; some are tall, being suitable for borders; others are dwarf, for rockeries and edging. In every well-ordered hardy garden Campanulas should have a prominent place. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade it greatly prolongs the blooming period of the plant.

**Calycanthemum** (Cup and Saucer). These are biennials, and last only one season, when planted in the autumn. Pink, white and blue, each color separate; height, 18 inches; June-July.

**Media** (Old-fashioned Canterbury Bells). This is a biennial type, like the Calycanthemum, and will last only one season, when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. Blue, Pink and White, in separate colors.

**Carpatia** (Carpathian Harebell). A pretty species, growing in compact tufts, not exceeding 8 inches high; flowers clear blue, held erect on wiry stems. It begins blooming in June, continuing until October. As an edging for a hardy border or for the rockery it is unsurpassed.

**Carpatia Alba.** The white-flowered form of above.

**Pyramidalis** (Chimney Bell-flower). The most conspicuous of all Campanulas, forming a perfect pyramid 4 to 6 feet high, crowded with large salver-like porcelain-blue flowers in August.

**Rotundifolia** (Blue Bells of Scotland). This is the true Harebell, with beautiful clear blue flowers, from June to August; 1 foot.

Any of the above, 25c. each; \$2.50 per doz.; per 100, \$15.00.

## CASSIA (Senna)

The Cassias delight in a sunny exposure. They are shrubby perennials, attractive for the finely cut foliage and showy, curious flowers. Senna leaves are used a great deal for medical purposes.

**Marilandica** (Wild Senna). Large panicles of yellow, pea-shaped flowers and attractive light green foliage. 3 to 4 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

## CENTAUREA

### (Hardheads or Knapweed)

Of easy culture, delighting in an open, sunny position, producing a wealth of bloom, which not only makes a fine display in the border, but is excellent for cutting.

**Dealbata.** Distinct bright rose-colored flowers; July to September; 18 inches.

**Montana** (Perennial Corn Flower). Grows 2 feet high, bearing large violet blue flowers from July to September.

**Montana Alba.** Large white variety of the above.

25c. each; \$2.50 per doz.; per 100, \$15.00.



*Caryopteris Mastacanthus*

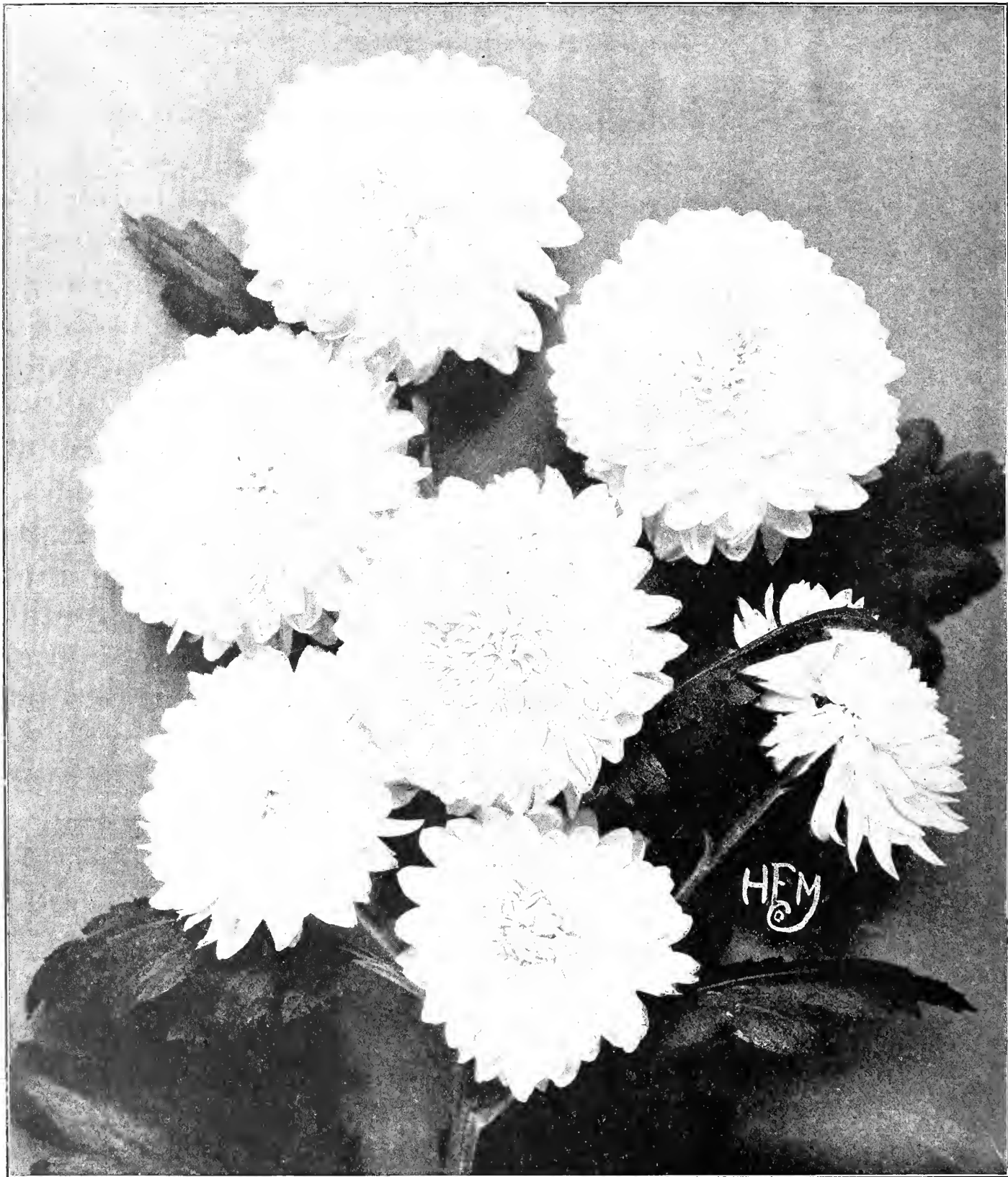


Campanula—Media

# MICHELL'S CHOICE, HARDY CHRYSANTHEMUMS

## *The Queen of Autumn Flowers*

**SUGGESTION.**—While generally conceded to be hardy, we recommend a slight protection of long straw manure over the roots of all hardy Chrysanthemums during the winter months; or better yet, after they have finished blooming cut the plants down, lift them and place them in a cool cellar (light and airy), plunged in clean sand or dry soil; water only sufficiently (if stored indoors) to keep them from drying out, or put in a cool frame and set out in the spring.



Hardy Chrysanthemum, White Lillian Doty

Plants travel best by Express or Parcel Post. No plants sent C. O. D.

(oe)

## ENGLISH EARLY FLOWERING VARIETIES

These are also admirably adapted for growing in greenhouses.

- Bronze Goachers.** Brilliant orange red; large flower.
- Champagne.** Light cerise pink, suffused with bronzy yellow; a peculiar combination, but a splendid variety. The flowers are produced mainly in clusters, measuring about 2 inches in diameter.
- Cranfordia.** Reflex flowers, of canary yellow, frequently 4 inches in diameter; very full; of medium tall growth; one of the best sorts in this class.
- Ethel Blades.** A rich shade of chestnut red, with gigantic blooms measuring on an average of 5 inches in diameter when fully opened. In our mind, this is the best of this color in the Early-Flowering sorts.
- Garza.** Anemone flowered white; flowers 4 inches across.
- Kathleen Thomson.** Large flowers, frequently 5 inches in diameter, of the reflex type. Color may be described as old gold, suffused bronze and yellow. A spray of this consists of five to six flowers—almost a bouquet in itself. Everyone who grows chrysanthemums should not fail to have this one in their collection.
- La Garonne.** Lemon yellow, suffused coppery bronze; a peculiar combination of colors rather hard to describe. Flowers are about 2½ inches in diameter, and are produced individually rather than in clusters. Of medium tall growth and robust in habit.
- Lillian Doty.** While chiefly used for growing indoors, this is a splendid variety for outside culture. Pale shell pink flowers, produced in enormous clusters; blooms measuring individually about 2½ inches in diameter when fully opened. Plants medium tall, bedecked with splendid foliage from the ground up.
- Martin Reed.** Canary yellow; large flowers borne individually, measuring about 2½ inches in diameter; reflex petals, very full. A splendid variety.
- McNiese.** Reflex flowers, beautifully formed, being a shade of old rose. Plants of medium growth; a very good variety to have.
- Mimco.** Similar in type and color to Lillian Doty, but claimed by some to be a better shade of pink.
- Perle Chatillnaise.** Lemon yellow centre, with lighter-colored outer petals. Flowers about 3 inches in diameter. Plants of tall growth; a splendid sort for cutting.
- Petite Louise.** Satiny rose, with giant flowers measuring frequently 5 inches in diameter; of free-blooming habit, although the flowers are produced in clusters. This we regard as one of the very best outdoor varieties.
- Provence.** Light pink flowers, points of petals tipped gold.
- Queen of Whites.** Pure white around the outside, with light yellow centre. Medium tall in growth; flowers 2½ inches in diameter, produced mainly in clusters. A splendid sort.
- White Doty.** Description given above on the variety Lillian Doty fits this exactly, except that the color of this sort is pure white.

## POMPON VARIETIES

- A. Barnum.** Deep yellow, suffused bronze. Produced in clusters, blooms averaging individually about 2 inches in diameter. A very fine variety.
- Baby.** Very dwarf; late-flowering; produces small quilled, yellow flowers, about ½ inch to ¾ inch in diameter, borne in sprays containing a liberal number of flowers.
- Eden.** Deep silvery pink; produces flowers about 3 inches in diameter. Of medium tall growth; a splendid variety for cutting.
- Excelsior.** Light orange on outside, with deeper yellow centre. When fully opened, blooms are about 2 inches in diameter.
- Fairy Queen.** Clear pink; nicely-formed flower; midseason.
- Golden Climax.** The finest yellow pompon; deep orange yellow; very full flower; splendid for cutting.
- John Woolvin.** Light rose pink, with slightly yellow centre. Flowers produced in tremendous clusters. A very good variety; in fact, one of the best in our collection. Of dwarf compact growth.
- Lelia.** Light buff yellow, a pleasing color. Of medium tall growth; flowers about 2 inches in diameter.
- Mrs. Roberts.** A splendid rich pink; very double.
- Myer's Perfection.** Pure orange on outside; tremendously free-blooming. Flowers average 1½ inches in diameter when fully opened. Produces rather individually than in cluster form.
- Pink Dandy.** This is best described by the color-plate showing it; a marvelously free bloomer, lasting long either as a cut flower or on the plant.
- Ruby Queen.** Of dwarf habit. Color is rather hard to describe; it is of such a deep pink that it is almost crimson, but it is really neither. We consider it one of the very best Hardy Chrysanthemums in this shade. Measures individually about 1½ inches in diameter.

## CHRYSANTHEMUM (Shasta Daisy)

**Arcticum** (The Arctic Daisy). Among fall-flowering perennials, this is a perfect gem. In September multitudes of pure white flowers appear, from 2 to 2½ inches in diameter. These begin to develop during the last week in September, and continue in good condition throughout October, and frequently into November.

**Shasta Daisy "Alaska."** A decided improvement on the original with blooms ½ to 5 inches across, of pure glistening white. Very free-flowering and in bloom all summer and fall.

Price of the above, 25c. each; per doz., \$2.50; \$15.00 per 100.

## COREOPSIS

**Lanceolata Grandiflora.** Flowers rich golden yellow and of graceful form; fine for cutting. A few plants make a handsome display, either planted individually or in clumps; the flowers are produced thousands on a single plant, and where quantity and quality are wanted Coreopsis should be planted; June till October. 25c. each; doz., \$2.50; \$15.00 per 100.

## CIMICIFUGA (Snake Root)

**Dahurica.** Large cylindrical spikes of creamy-white flowers in September; 3½ feet.

**Racemosa.** A handsome native species bearing in July and August spikes of pure white flowers; well suited for planting at the back of the border, or for naturalizing at the edge of the woods; 4 to 6 feet.

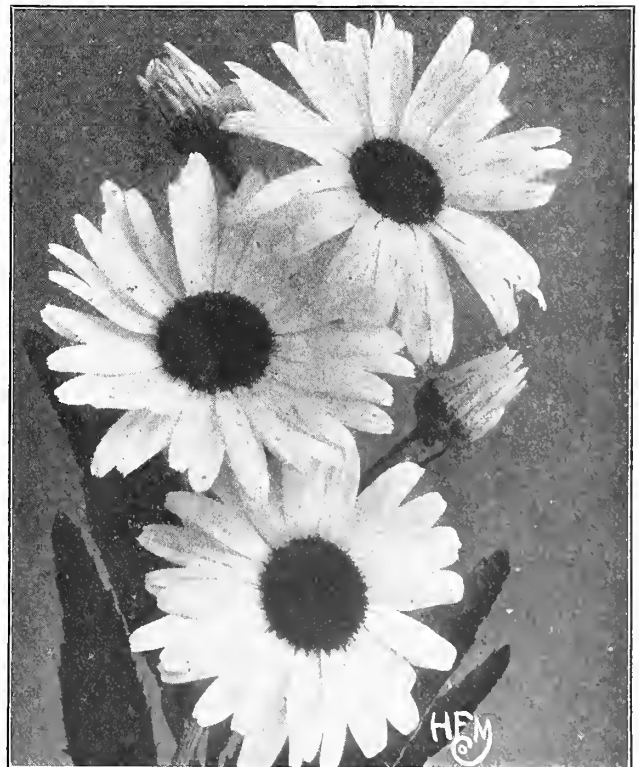
Price, 30c. each; \$3.00 per doz.

## CLAYTONIA (Spring Beauty)

**Virginica.** A low-growing, early spring-flowering native plant, producing clusters of light pink flowers. Succeeds best in a half-shady spot on the rockery. 25c. each; per doz., \$2.50; \$15.00 per 100.

## CORONILLA (Crown Vetch)

**Varia.** A rampant creeper, with handsome globular heads of showy, bright pink and white Sweet Pea-shaped flowers; a useful plant for covering rough banks or for the rockery. 25c. each; per doz., \$2.50; \$15.00 per 100.



Shasta Daisy

**CERASTIUM (Snow in Summer)**

**Tomentosum.** A desirable low-growing plant with silvery foliage and white flowers in June; suitable for the rockery, or for carpeting dry, sunny spots, or for covering graves; can also be used with good effect in carpet bedding. 25 cts. each; \$2.50 per doz.; \$15.00 per 100.

**CHRYSANTHEMUMS, HARDY. See page 117**

**DELPHINIUMS OR HARDY LARKSPURS**

In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground, the latter should have a good natural drainage. Never use animal manure in planting Delphiniums, unless it has been incorporated in the soil a year before planting. Pure bone-meal is the best fertilizer in promoting growth; apply with it also some wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads in succession. To get the best out of hardy Larkspurs in the way of flowers, feed them occasionally during the growing season with an application of ground bone. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

**Belladonna.** The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty by any other flower. 30c. each; doz., \$3.00; \$20.00 per 100.

**Chinense.** A very pretty dwarf species, with fine feathery foliage and intense gentian-blue flowers in open panicles.

— **Album.** A pure white form of the above.

**Formosum.** The old favorite dark blue with white centre; 3 to 4 feet high. Very vigorous, and one of the best.

**Michell's Gold Medal Hybrids.** Unquestionably the finest strain of mixed hybrids offered. The original stock came from England, and consisted of the best-named varieties. The plants are of strong, vigorous habit, with large flowers on spikes two feet and over long, the majority running in the lighter shades of blue. We can supply them in mixture only.

Price. Any of the above (except where noted), 25c. each; \$2.50 per doz.; per 100, \$15.00.

**DIANTHUS (Garden Pinks)**

These are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. They are at their height of bloom in June.

**Deltoides (Maiden Pink).** A continuous flowering variety with pink flowers. Especially suited for rock work.

**Deltoides Alba.** White flowers.

**Lactifolius Atrococcineus Fl. Pl.** (Ever-blooming Hybrid Sweet William.) A splendid variety with brilliant crimson, double flowers. Flowers continuously during the entire season.

Each of the above, 25 cts. each; doz., \$2.50; per 100, \$15.00.



Delphinium Belladonna

**DICTAMNUS (Gas Plant; Burning Bush)**

A genus of very ornamental plants deserving a place in every flower border. The plant when rubbed emits a strong, fine odor, something like that of lemon peel, which is strongest in the pedicels of the flowers. Of easy culture and valuable for cutting.

**Fraxinella.** Racemes of curious red flowers with decided balsamic scent. 2 feet to 2 feet 6 inches. May to July.

**Fraxinella albus.** Spikes of attractive pure white, sweet-scented flowers, valuable for cutting and lasting a long while in water. 2 feet. May to July. 25c. each; \$2.50 per doz.; per 100, \$15.00.

**DIGITALIS (Foxglove)**

These are showy plants, but are biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is, a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June.

**Gloxinaeflora.** White, Pink, Purple, Lilac. Each separate.

**Grandiflora.** Yellow.

**Lanata.** A distinct species, producing dense spikes of curious-looking flowers, the corolla being gray, the lips white.

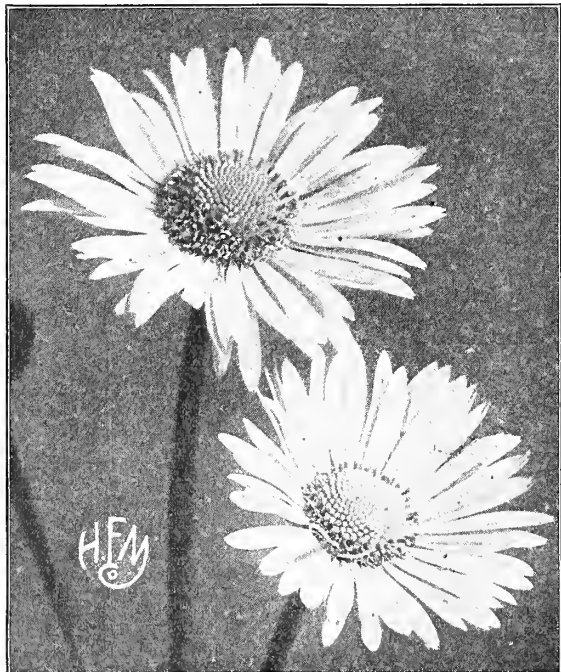
Any of the above, 25 cts each; doz., \$2.50; per 100, \$15.00.

**DORONICUM (Leopard's Bane)**

One of the most effective very early spring flowering perennials. There are many who have only seen this as a single plant, here or there in a hardy border, and have no idea of the effect it has when planted in a mass. It is also a splendid flower for cutting, as it carries well and stands a long time in water, opening out morning after morning, to the surprise and delight of the possessor. They succeed everywhere, and should have a place in every garden.

**Caucasicum.** Bright yellow flowers about 2 inches across; 18 inches.

**Excelsum.** Large orange-yellow; 3½ inches across; 24 to 36 inches. 25 cts each; \$2.50 per doz.; per 100, \$15.00.



Doronicum Excelsum



## ECHINOPS (Globe Thistle)

**Ritro.** Interesting and showy thistle-like plants with globular heads of deep metallic blue flowers, which can be dried, and remain attractive for a long time; 2 to 3 feet. 25 cts. each; \$2.50 per doz.; \$15 per 100.

## EPIMEDIUM (Barren-wort; Bishop's Hat)

Dwarf-growing plants, 8 to 10 inches high, with leathery foliage and panicles of interesting flowers; the foliage of all the varieties offered below assumes the most beautiful tints of color in autumn.

**Mushianum Rubrum.** Rosy red.

**Niveum.** Dwarf, early, pure white.

**Sulphureum.** Sulphur-yellow.

**Violacea.** Rich violet.

25 cts. each; \$2.50 per doz.; per 100, \$15.00.

## ERYNGIUM (Sea Holly)

Handsome ornamental plants, growing from 2 to 3 feet high. Effective in flower and shrubby border, woodlands, wild gardens, etc.; the flower heads, which are produced from July to September, are useful to cut for vases or to dry for winter bouquets.

**Amethystinum.** The finely-cut, spiny foliage and the beautiful thistle-like heads are of glistening amethystine-blue. A most ornamental plant. 25 cts. each; \$2.50 per doz.; per 100, \$15.00.

## EUPATORIUM

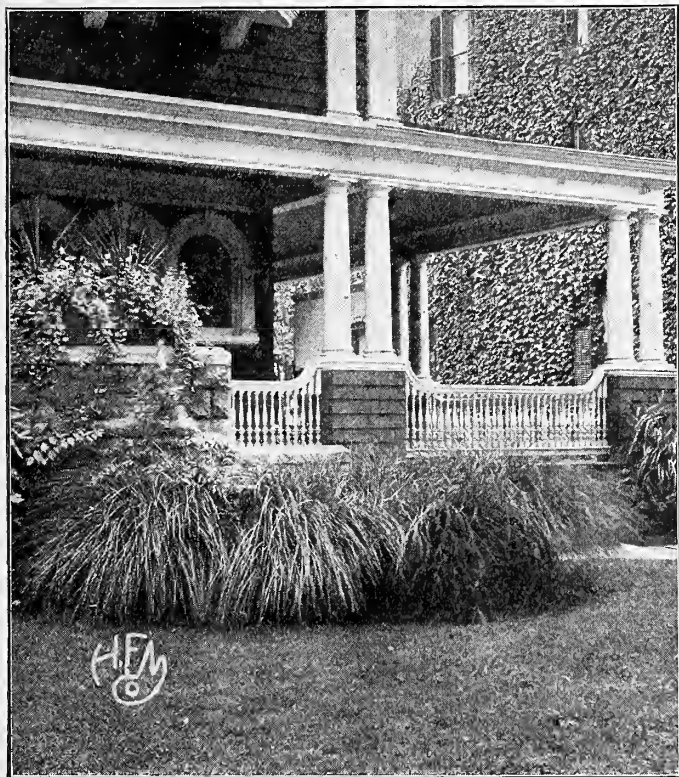
**Ageratoides (Thorough wort).** A useful border plant of strong, free growth, 3 to 3½ feet high, with minute white flowers in dense heads; splendid for cutting; August and September.

**Coelestinum.** A pretty hardy plant, with light blue flowers similar to the Ageratum. This is a particularly fine thing in hardy perennials, and blooms more freely than most sorts, lasting for weeks and weeks; a splendid cut flower. 18 to 24 inches. 25 cts. each; doz., \$2.50; \$15.00 per 100.

## EUPHORBIA (Milk Wort)

**Corollata (Flowering Spurge).** A most showy and useful native plant, growing about 18 inches high and bearing from June to August umbels of pure white flowers, with a small green eye; desirable for cutting.

— **Polychroma.** Very effective in the spring, when it bears masses of chrome-yellow flowers. 25 cts. each; doz., \$2.50; \$15.00 per 100.



Hardy Grasses. (See Page 120)

## HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May. They require absolutely no attention after they are planted. In the variety at command very interesting plantings and effects can be made.

**ADIANTUM Pedatum** (Maidenhair Fern).

**ASPIDIUM.** From aspidon—a little buckler; in allusion to the form of the spores or seed apparatus.

—**Aerostichoides.** Christmas Fern.

**ASPLENIUM Filix-Foemina** (Lady Fern). From Greek a—not, and splen—spleen; referring to its supposed medicinal properties.

**CYSTOPTERIS Bulbifera** (Bulblet Bladder Fern).

**DICKSONIA Punctilobula** (Gossamer Fern). Named after James Dickson, a famous British authority on ferns.

**ONOCLEA.** Greek, meaning closed vessel, alluding to the closely rolled sporophylls.

—**Struthiopteris.** Ostrich Fern.

—**Sensibilis.** Sensitive Fern.

**OSMUNDA.** From Osmunder, another name for the Scandinavian god, Thor.

—**Cinnamonea.** Cinnamon Fern.

—**Claytoniana.** Interrupted Fern.

—**Cristatum** (Evergreen Fern). A low evergreen.

—**Marginale.** Shield Fern.

**PTERIS Aquilina** (Eagle Fern). Greek name for fern, from a word meaning wing, alluding to the usual pinnate form of the leaves.

**WOODSIA Ilvensis.** Excellent for rock-work, requiring little soil and thriving best in the sunniest corner.

Price, any of above, 25 cents. each; doz., \$2.50; \$17.50 per 100.

## FUNKIA (Plantain Lily; Day Lily)

Japanese perennials producing attractive clumps of foliage and interesting lily-like blossoms. Their dense stools of foliage are in place along drives or walks and in the angles against buildings. A continuous row along a walk gives a strong and pleasing character. Delight in moist, shady situations. The variegated foliage of some species is extremely beautiful and striking for decorative work.

**Minor Alba.** Clean cut, green foliage, and comparatively large, pure white flowers; 12 to 15 inches.

**Lanceolata.** Valuable by reason of its late flowering; lilac flowers in September; 2 feet.

**Coerulea.** Blue, broad green leaves; June; 4 feet.

**Subcordata Grandiflora.** Very large, pure white, lily-shaped, fragrant flowers in August and September; 2½ to 3 feet.

**Undulata media picta.** Green and white variegated foliage; purple flowers. Makes a fine edging; July; 2 feet.

Price, 25 cts. each; \$2.50 per doz.; per 100, \$15.00.

## GAILLARDIA (Blanket Flower)

One of the most useful of the hardy flowers when planted in clumps; beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

**Grandiflora.** Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disc. 25 cts. each; doz., \$2.50; per 100, \$15.00.

## GENTIANA (Gentian)

Gentians are amongst the most desirable of both alpine plants and of blue flowers in general. The roots of some forms furnish the drug Gentian, and also the cordial Geutiane. Do best in half-shady, moist positions.

**Acaulis** (Geutiaella). The blue stemless gentian of the Alps. Flowers very large; blue, with five yellow marks inside. 2 to 4 inches. 25c. each; doz., \$2.50; \$15.00 per 100.

**GEUM (Avens; Barren Strawberry)**

Well-known group of plants noted for their rich coloring and freedom of flowering. Most useful for cutting and the rockery or border. May to July.  
*Atrorubra* fl. pl. Large blood-red flowers in open heads. 1 to 2 feet.  
*Coccineum*, Mrs. Bradshaw. Twice the size of the old double scarlet, with huge frilled petals, giving a full, double appearance. 6 to 10 inches.  
 25c. each; doz., \$2.50; \$15.00 per 100.

**GRASSES (Hardy Ornamental)**

The generous, beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. Excellent as individual specimens.  
*Arundo Donax* (Giant Reed). (Half Hardy). Tall variety with bluish-green foliage, frequently attaining a height of 20 feet.  
*Arundo Donax* Fol. Variegatis (Half Hardy). This variety of Giant Reed has variegated foliage. 35c. each; doz., \$3.50.  
*Elymus Glaucus* (Blue Lime Grass). A graceful growing type with narrow silvery blue foliage, a dwarf compact grower; height, 3 feet.  
*Erianthus Ravennae* (Plume Grass or Hardy Pampas). Deep green narrow foliage, growing about 10 feet high.  
*Eulalia Gracillima Univittata* (Japan Rush). Graceful narrow foliage, growing 5 to 6 feet. Green, with silvery rib.  
*Eulalia Japonica Variegata*. An attractive variety with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.  
*Eulalia Japonica*. Like the variegated variety, except that it is entirely green.  
*Eulalia Japonica Zebrina*. Dark green foliage, crossmarked horizontally golden yellow. One of the best of hardy Grasses. 4 to 5 feet.  
*Gynerium Argenteum* (Pampas Grass). This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. Height, 7 to 10 feet.  
*Phalaris Arundinacea Variegata* (Variegated Ribbon Grass or Gardener's Garter). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 12 to 15 inches.  
*Pennisetum Japonicum* (Hardy Fountain Grass). One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height, 4 feet.  
 Price of Hardy Grasses (except where noted), 30c. each; doz., \$3.00; \$20.00 per 100.



**Helinium, Autumnale Superbum**

**HELENIUM (Sneezewort)**

These desirable perennials succeed in almost any soil, in a sunny location. The flowers are splendid for cutting.  
*Autumnale Rubrum*. Bright, terra-cotta red. 5 feet.  
*Autumnale Superbum*. Massive spreading heads of deep golden yellow flowers; August-October; 5 feet.  
*Riverton Beauty*. Rich lemon-yellow, with large purplish-black cone; August and September; 4 feet.  
*Riverton Gem*. Old gold, changing to wall-flower red.  
 Price, 25c. each; \$2.50 per doz.; per 100, \$15.00.



**Helianthus, Multiflorus Fl. Pl.**

**HELIANTHUS (Hardy Sunflower)**

Very effective in borders, among shrubbery or as clumps on the lawn, etc. They produce masses of flowers during summer

until frost, which are splendid for cutting and decorative purposes.  
*Maximiliana*. The latest of all; blooming profusely in October; the fine golden yellow flowers appear in long graceful sprays; splendid for cutting; 5 to 7 feet.  
*Multiflorus fl. pl.* Large, double golden yellow; July-August; 4 feet.  
*Orgyalis* (Willow Leaved or Skyrocket Sunflower). Long, graceful foliage, bright yellow flowers on short stalks. 6 to 8 feet. October.  
*Rigidus Japonicus*. One of the most desirable varieties, beginning to bloom early in July and continuing until fall; flowers golden-yellow, with dark centres; 5 feet.  
 Price, 25c. each; doz., \$2.50; \$15.00 per 100.

**GYPSOPHILA (Baby's Breath)**

During August and September this is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep for months without water.  
*Paniculata*. Feathery sprays of white flowers; useful for effects in bouquets. 25c. each; doz., \$2.50; \$15.00 per 100.

**HELIANTHEMUM (Sun Rose)**

A very pretty family of evergreen plants, covered during May and June, and more or less throughout the summer, with flowers of the most brilliant colors. For dry, sunny situations.  
*Perry's Hybrids*. Mixed varieties, all colors, of unusual merit. June to August. Height, 12 inches. 25c. each; doz., \$2.50; \$15.00 per 100.

**HELIOPSIS (Orange Sunflower)**

This genus is very similar to the Helianthus. They are tall-growing plants, well suited for the back of flower borders, where they flower beautifully throughout the summer.  
*Pitcheiana*. One of the best hardy plants for the perennial border, being especially valuable for cutting and for planting in dry places. Daisy-shaped flowers of deep orange color, on good stems for cutting. 2 to 3 feet.  
*Pitcheiana Semi-plena*. A semi-double form of the above.  
*Scabra Ziunnaeflora*. A new double-flowering form of the Orange Sunflower, growing about 24 inches high, and producing golden-yellow flowers closely resembling a Ziuuia in form.  
*Scabra Excelsa*. A new variety with very rich chrome-yellow flowers, turning to a bright yellow as they mature. These are almost double, having from 4 to 5 rows of petals, and are produced very profusely. The plant is of robust growth, about 3 feet high. Mid-July to the end of August. Price, 25c. each; doz., \$2.50; \$15.00 per 100.



**Hollyhock—Michell's Double "Rosette"**

## HELLEBORUS (Christmas Rose)

They flower when practically nothing is in bloom outdoors, actually thrusting their beautiful blossoms through the snow. They succeed almost everywhere, but prefer a sheltered, shaded location. Height, 8 to 10 inches.

**Niger.** Pure white. The best of all Helleborus varieties. 50c. each; doz., \$5.00.

## HEMEROCALLIS (Yellow Day Lily)

Lily-like plants, flowering in great profusion during the summer, making a fine cut bloom.

**Aurantiaca.** Large, trumpet-shaped, orange yellow flowers; reverse of petals bright Indian yellow; sweet scented. 30c. each; doz., \$3.00; \$20.00 per 100.

**Kwanso Flore Pleno (Double).** Coppery red; July; 3 feet high. 25c. each; doz., \$2.50; \$15.00 per 100.

## HIBISCUS (Mallow)

**Giant Flowering.** A wonderfully improved form of our greatly admired Marsh Mallows. They are unusually attractive and form real show plants during their flowering season. They attain a height of 6 to 7 feet, have beautiful lacinated foliage and monstrous flowers, measuring from 6 to 8 inches in diameter. We offer these in mixed colors only. (See color plate). 25c. each; doz., \$2.50; \$15.00 per 100.

## HOLLYHOCKS (Double)

These thrive best in soil that is not too wet, which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter with leaves, long manure or straw. To guard against fungus or rust we recommend spraying the plants in early spring with Pyrox or Bordeaux Mixture.

Our strain of these is very fine, and we offer the following colors in double flowering only (each separate):

**Canary Yellow, Crimson, Pink, Salmon, White.** 25c. each; doz., \$2.50; \$15.00 per 100.

## HYPERICUM (St. John's Wort)

**Moserianum.** A most desirable border plant, of free and graceful habit, producing long, slender, much-branched stems, leafy to the base and all drooping towards the ends, apparently from the weight of the flowers and buds, although the flowers face, so none of their beauty is lost. It is marvelously free-flowering, of large size, measuring from 2 to 2½ inches in diameter; in color a rich golden yellow, which is rendered still more effective by the numerous yellow stamens and crimson anthers, and blooms continuously. 2 feet. Strong plants, 25c. each; \$2.50 per doz.; per 100, \$15.00.

## IBERIS (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed.

**Snowflake.** Pure white, of fine form and compact habit, blooms very early; height, 9 inches.

**Sempervirens.** Pure white flowers; 1 foot. 25c. each; doz., \$2.50; \$15.00 per 100.

## INCARVILLEA (Hardy Gloxinia; Trumpet Flower)

New, hardy tuberous-rooted plants producing large, trumpet-shaped, showy flowers in clusters that last in good condition for a long time. Require a light protection in winter.

**Delavayi.** Flowers of a bright rosy or crimson-purple color. 18 inches to 2 feet. Handsome foliage. May to October. 35c. each; doz., \$3.50.

## IRIS GERMANICA (Fleur de lis)

No garden or perennial border is complete without a planting of Iris; they thrive most anywhere, being absolutely hardy under most all conditions. In May, when the majority of perennials have not come into bloom yet, the Iris Germanica comes out in its full beauty. We grow these in very large quantities. When planting observe that the growing part of the crown protrudes from the soil, and only when established should this be covered entirely; most effective when planted in masses either in the hardy border in front of shrubbery or in beds.

**Gypsy Queen.** Lavender, bronze-veined, white.

**Her Majesty.** Rosy lilac, a beautiful variety.

**Honorabilis.** Golden yellow, shaded rich bronze.

**Innocenza.** Pure white; early and very beautiful.

**Mad. Chereau.** White, edged light blue.

**Queen of May.** Light pink; very early.

**Aurea.** Very large flower; finest yellow.



Iris Germanica

### IRIS GERMANICA—Continued

**Laura.** Beautiful shade of lavender blue.

**Dr. Bernice.** Brown, with purple falls.

**Eldorado.** Yellowish bronze, shaded lavender.

**Cypriana Superba.** Soft blue, with rich violet purple falls.

**Ivorine.** Extremely early; pure white.

**Rhein Nixe.** Standards pure white, falls deep violet blue, margined white.

**Mrs. G. Rueth.** White standard, shaded and veined blue gray. The falls are white, frilled soft blue. A large and handsome variety.

**Nuci d'Orange.** Tall growing, with smoky, bronze falls.

**Ossian.** Straw-yellow standard, with bluish violet falls.

**Pallida Speciosa.** Standards dark lavender with light purple falls; free-flowering.

**Hector.** Standards yellow, with brownish red falls, dashed purple; a unique combination.

**Mrs. H. Darwin.** White standards; violet blue falls, which are turned over in graceful fashion.

**Mrs. Neubronner.** Very deep golden yellow.

**Pallida Mandraliscae.** Beautiful rich lavender purple; very large handsome flower.

**Florentina Alba.** Very free blooming white; massing in well with the blues.

**Eugene Sue.** Creamy white, spotted and striped purple.

**Gloire de Hillegom.** Light blue; very fine large flower.

**Kharput.** Deep, pure blue.

**Leonidas.** Clear mauve, changing to rosy mauve; very large.

**Jeanne d'Arc.** Flowers large, sepals broad, of fresh clear lilac. Falls pure white, bordered lilac.

**Loute.** Upright petals light blue and heliotrope; falls reddish purple and bronze. Striking color.

**Princess Victoria Louise.** Sulphur-yellow, falls rich plum, edged cream.

**Lohengrin.** Lilac rose, very large flower.

**Mad. Paquette.** Deep claret red, nearly solid red.

**Monsieur.** Velvety purple crimson, with lighter margin.

**Parisiensis.** Large, showy, deep purple.

**Trautlieb.** Pink, shading to white at base.

**Kochi.** Standards purple, falls velvety black.

Price of all German Iris except where noted, 25c. each; doz., \$2.50; \$17.50 per 100. (See also page 122 for other Iris.)



Iris Kaempferi

### IRIS KAEMPFERI (Japanese Iris)

The King of all Iris, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of June into July. The flowers, many of them when spread, measure 12 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich location.

The following varieties are all double full petaled flowers:

- Blue Bells**—Blue, veined white; centre white edged with blue.
- Eclipse**—Double crimson maroon.
- Furomon**—Double. Early. White bordered and laced pink.
- Geishoui**—Double. Royal purple shaded crimson. High built flower. Very late.
- Gold Bound**—Double white, yellow band centre. The finest of all.
- Kurokumo**—Double Deep blue. Extra choice.
- Oshimo**—Creamy white, delicately veined violet.
- Mixed.** All colors and varieties, single and double.

Price of Japanese Iris: 35c. each; doz., \$3.50; \$25.00 per 100.

### IRIS INTERREGNA

An entirely distinct type, being a cross between a German Iris and a shrubby Iris, known as the Pumila type. It is medium early to bloom, flowering in between Iris Pumila and Iris Germanica. Plants grow about 18 inches high and are surmounted with large flower heads, on spikes, which grow well above the foliage, appearing in May.

**Ceres.** Standards and fall pearl white, orange beard.  
**Charmant.** Standards silvery white, pearl falls, with deep blue markings.

**Walhalla.** Standards light blue, violet blue falls, yellow beard.  
**Fritjof.** Purple shaded lavender. 20 inches high.

Price of the above, 25c. each; doz., \$2.50; \$17.50 per 100.

### IRIS (Oriental and Siberian)

The flowers resembling the Spanish and English Iris. These make a bright show in the garden and are also excellent for cutting. They can be cut when in bud and will fully develop in water. Blooms from latter part of May until end of June.

**Blue King.** Clear blue. Found by Mr. Peter Barr in Japan.

**Sanguinea.** Intensely brilliant blue flowers, the bud being inclosed in conspicuous crimson spathe valves.

**Superba.** Large, violet blue; handsome foliage, reaching almost to the flowers. 2 to 3 feet.

**Iris Siberica.** Purplish blue; 3 feet high; very desirable. June.

**Iris Siberica Alba.** Fine white. June.

25c. each; doz., \$2.50; \$17.50 per 100.

### IRIS PUMILA

The first of the Iris to bloom, resembling in appearance the Germanica variety; the plants are about 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers.

**Die Braut.** White. 8 inches high; very large and showy.

**Lutea.** Golden yellow. 6 inches high; a fine companion to Dittman's Purple.

**Dittman's Purple.** A splendid rich purple. 6 inches high.

Price, 25c. each; doz., \$2.50; \$17.50 per 100.

### LILY OF THE VALLEY

For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. Clumps, 50c. each; doz., \$5.00; \$35.00 per 100. Stock cannot be shipped after May 15th.

### LUPINUS (Lupins)

These flower in May and June; are 3 to 4 feet high. In dry weather water liberally to prolong the bloom.

**Polyphyllus.** Blue. Very showy.

**Polyphyllus White.**

**Polyphyllus Pink.**

Price, 25c. each; doz., \$2.50; \$15.00 per 100.



Lupinus Polyphyllus

# MICHELL'S HARDY PERENNIAL PLANTS

123

## LATHYRUS (Everlasting or Perennial Sweet Pea)

The perennial pea is one of the hardiest and most easily cultivated species, thriving almost anywhere. It is a good trellis plant, and is adapted as a cover to wild, rough places, where it scrambles over bushes and stones. Flower July to September.

**Latifolius.** Large deep red flowers on long stems in constant succession. 6 feet.

— **Albus.** Bearing clusters of large pure white flowers, 6 feet.

— **Pink Beauty.** Clusters of large heautiful shell-pink flowers, like Blanche Ferry Sweet Peas.

Price, any of above, 30c. each; doz., \$3.00.

— **White Pearl.** Most beautiful of all everlasting peas with pure white flowers, which are about double the size of the ordinary Lathyrus Latifolius albus.

Price, 50c. each; doz., \$5.00.

## LAVENDULA (Lavender)

**Vera.** This is the true Sweet Lavender; grows about 18 inches high; delightfully fragrant blue flowers in July and August; the flowers may be dried and used in clothes closets as a protection against moths. 25c. each; \$2.50 per doz.; \$15.00 per 100.

## LIATRIS (Blazing Star, or Gay Feather)

**Pycnostachya.** Showy and attractive native plants, succeeding anywhere, producing large spikes of light rosy-purple flowers in July and August; 5 feet. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## LINUM (Flax)

**Perenne.** A desirable plant for the border or rockery, growing 2 feet high, with light, graceful foliage and large blue flowers all summer. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## LOBELIA

Few plants are more effective at their season of bloom, which extends from early in August till late in September.

**Cardinalis** (Cardinal Flower). Rich, fiery cardinal flowers; strong plant, often producing 10 to 18 spikes. 24 to 30 inches long. 25c. each; doz., \$2.50; \$15.00 per 100.

## LYCHNIS (Campion)

All of the Lychnis are of the easiest culture, thriving in any soil, and this, in addition to their hrightness, has brought them into high favor with lovers of hardy plants.

**Chalcedonica.** A most desirable plant, heads of brilliant orange-scarlet in June and July. Grows 2 to 3 feet high.

**Chalcedonica Alba.** A white-flowered form of above.

**Haageana Hybrids.** Brilliant orange-scarlet flowers in May and June; 12 inches.

**Viscaria.** Forms a dense tuft of evergreen foliage, and in June sends up spikes of handsome, double, deep red, fragrant flowers; 1 foot.

Price, 25c. each; doz., \$2.50; per 100, \$15.00.

## LYSIMACHIA

**Ciliata** (Fringed Loose-strife). Yellow flowers in July. 2 feet.

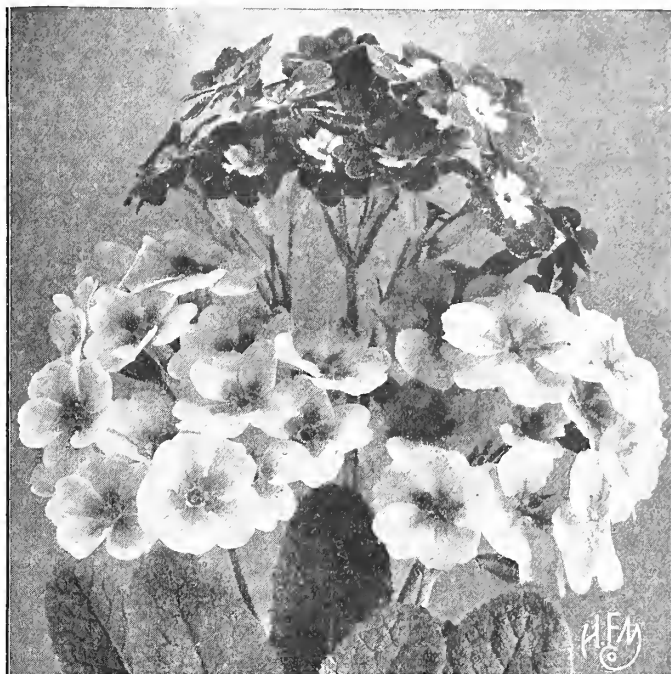
**Clethroides** (Loose-strife). A fine hardy variety about 2 feet high, with long, dense, recurved spikes of pure white flowers from July to September.

**Nummularia** (Creeping Jenny, or Money-wort). Valuable for planting under trees or shrubs where grass will not grow, where it quickly forms a dense carpet.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.



Hardy Pinks



Primula Veris

## LYTHRUM

**Roseum Superbum** (Rose Loose-strife). A strong-growing plant, 3 to 4 feet high, thriving in almost any position, producing large spikes of rose-colored flowers from July to September. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## MATRICARIA (Feverfew)

**Little Gem.** Pure white, double flowers, splendid for cutting, flowering July and August; height, 12 inches; ideal for open sunny border. 25c. each; doz., \$2.50; \$15.00 per 100.

## MONARDA (Horse Mint; Bergamot; Oswego Tea)

Do well in any situation, but prefer moist places, and are seen to best advantage massed.

**Didyma Rosea** (Oswego Tea). Flowers of a rose color, and sweetly fragrant foliage. 18 inches. July to September.

— **Alba** (White Bergamot). Pure white flowers in whorls. Leaves cordate and highly scented. 3 feet. June to September. 25c. each; doz., \$2.50; \$15.00 per 100.

## MYOSOTIS (Forget-Me-Not)

These are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer.

**Alpestris Victoria.** A grand variety, with fine heads of clear azure blue flowers; bushy and compact, a fine edging plant.

**Palustris Semperflorens** (Perpetual Flowering Forget-me-not). Blue with yellow throat; damp places; spread rapidly. 9 inches. 15c. each; doz., \$1.50; \$10.00 per 100.

## NIEREMBERGIA (Cup Flower)

Pretty perennials with petunia-like flowers that are extremely showy. Thrive best in a moist soil with half-shaded exposure, but often makes fine patches on a dry bank or even the rockery.

**Rivularis** (White Cup). Large, beautiful, bell-shaped, white flowers, with golden-yellow or rosy throat, in great profusion. 3 inches. June to September. 25c. each; doz., \$2.50; \$15.00 per 100.

## OENOTHERA (Evening Primrose)

The evening Primroses are elegant subjects for growing in an exposed sunny position, either in the border or on the rockery, blooming the greater part of the summer.

**Missouriensis.** Large golden-yellow. 1 foot.

**Pilgrimii.** Large clusters of bright yellow flowers.

**Speciosa.** Pure white flowers, 3 inches across. 18 inches.

**Eldorado.** Double, golden yellow.

**Fruticosa.** Golden yellow; large. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## PACHYSANDRA

An evergreen trailing plant, with thick, glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations.

**Terminalis.** Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 25c. each; doz., \$2.50; \$15.00 per 100.

# 124 MICHELL'S GIANT FLOWERING PAEONIES

No disease or insect ever troubles this plant. They delight in a sunny location and in deep rich soil. After planting water regularly until you feel they are established and always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.

	Each	Doz.
<b>Beaute Francaise.</b> Lilac-rose, with a cream white collar; very fragrant. Mid-season .....	\$0.35	\$3.50
<b>Berlioz.</b> Perfect form. Large magenta rose color, silver tipped. Late .....	.35	3.50
<b>Carnea Elegans.</b> Of a clear flesh color, glossy reflex; a free bloomer. Mid-season .....	.35	3.50
<b>Charlemagne.</b> Excellent variety. White, with a light pink centre; fragrant. Late .....	.35	3.50
<b>Clarisse.</b> Beautiful rose pink, with silvery pink centre; fine form and habit. Mid-season .....	.35	3.50
<b>Couronne d'Or.</b> Snowy white, with yellow reflex and deep pink edges on a few petals. Late.....	.50	5.00
<b>Delicatissima.</b> Pale lilac rose; free habit; fragrant; mid-season .....	.35	3.50
<b>Dr. Bretonneau.</b> Lilac rose with cream white centre, flecked crimson. Mid-season .....	.35	3.50
<b>Duc de Cazes.</b> Bright pink, silvery reflex. Early..	.35	3.50
<b>Duc de Wellington.</b> Large, sulphur-white flower of great fragrance, and with long stems. Late.....	.60	6.00
<b>Duchesse de Nemours.</b> Pure white, with a sulphur-white centre; very early and extra fine.....	.35	3.50
<b>Edulis Superba.</b> Beautiful shaped flower of a bright mauve pink color, with narrow edges of lilac. One of the best early sorts .....	.35	3.50

	Each	Doz.
<b>Eugenie Verdier.</b> Giant globe-shaped flower of a soft pink color. Mid-season .....	\$0.60	\$6.00
<b>Faust.</b> Delicate flesh pink, with salmon centre. Mid-season .....	.35	3.50
<b>Festiva.</b> Large, full type; creamy white with crimson spots. Late bloomer .....	.50	5.00
<b>Festiva Maxima.</b> Beautifully shaped flower, 7 to 8 inches in diameter. Pure white, splashed red. Late	.60	6.00
<b>Grandiflora Rosea.</b> Full globe-shaped flower; light solferino red petals, salmon centre. Mid-season .....	.35	3.50
<b>Lady Bramwell.</b> Delicate silvery pink. Mid-season..	.35	3.50
<b>La Perle.</b> Very large; globular; deep lilac white, blush centre, prominently flecked carmine; fragrant....	.50	5.00
<b>La Rosiere.</b> Imbricated petals of yellowish white, with straw yellow centre. Mid-season .....	.35	3.50
<b>L'Eclatante.</b> Large globular flower of brilliant red color; very good variety. Mid-season .....	.35	3.50
<b>L'Indispensable.</b> Perfect shaped flower of a delicate creamy color, shaded pink. Mid-season.....	1.00	10.00
<b>Marie Lemoine.</b> Delicate rose white, with a creamy centre .....	.50	5.00
<b>Mme. Calot.</b> Pale hydrangea pink, centre shaded darker, collar tinted silver; free bloomer.....	.50	5.00
<b>Queen Victoria.</b> Pure white, cream centre. Mid-season	.35	3.50
<b>Victor Hugo.</b> One of the very best of red paeonies...	.50	5.00
<b>Zoe Calot.</b> Pure white, suffused rose. Mid-season..	.35	3.50

## PAEONIAS TO COLOR

	Each	Doz.	100
<b>Double Pink</b> .....	\$0.35	\$3.50	\$25.00
<b>Double Red</b> .....	.35	3.50	25.00
<b>Double White</b> .....	.35	3.50	25.00

# MICHELL'S SUPERB HARDY PHLOXES

Our list of these is larger than what we offer here, and we shall be pleased to submit same on request.

- Asia.** Rich shade of mauve; color entirely distinct.
- Baron von Dedem.** Deep pink, suffused orange; immense trusses.
- Elizabeth Campbell.** Identical in shade of color with Mrs. John Laing Rose; delicate, refreshing pink with a white eye.
- Eugene Danzaavilliers.** Delicate lavender; a very attractive and decorative color; immense flowers. The peer of its color.
- Europa.** Blush white, with a large deep pink centre; the flower truss is very large, while the florets are also of gigantic size.
- Frau Anton Buchner.** Very large pure white flower truss, with gigantic individual florets; very dwarf.
- Goliath.** A distinct, tall grower, attaining a height of 3 feet. The flower trusses are large; bright cerise color with deep eye.
- Iris.** This is a variety of rare merit. It is a deep reddish violet; of compact erect habit with giant flower trusses.
- Jules Sandeau.** Dwarf; very large flowering; pure pink; extra fine variety and free bloomer.
- Le Mahdi.** We highly recommend this sort, which is a royal deep purple.
- Madame Paul Dutrie.** Delicate soft pink; resembles a delicate orchid. The flower trusses are enormous.
- Matador.** Cherry red, crimson eye; dark foliage.
- Montagnard.** Dark purple claret; large spikes and flowers.
- Professor Virchow.** Bright carmine, shaded orange red.
- Rheinlander.** Deep salmon pink, with a distinct bright red eye. The trusses are of gigantic size and of fine form and substance. It is very early and lasts well into the season.
- Rheinstrom.** A splendid new phlox with gigantic flowers of a bright pink. Quite tall; flowers early and continues in bloom till frost; a grand variety.
- Rosamundi.** A distinct variety of very attractive appearance. Produces immense trusses of enormous flowers of a beautiful soft rose color.
- Thor.** A much deeper color than the popular Elizabeth Campbell. Deep salmon pink, suffused with scarlet; a white halo surrounds the aniline red eye.
- Von Lassburg.** The queen of all clear white phloxes; trusses and single flowers are immense in size; rather dwarf.
- W. C. Egan.** One of the prettiest in our entire collection, the color being a pale lilac with an intense solferino-red eye. It is of medium height and of branching habit.
- Price of any of the above Hardy Phloxes, extra strong roots which will flower the first season, 25c. each; doz., \$2.50; \$15.00 per 100.

## PHLOX SUFFRUTICOSA

These differ from the others, in that the foliage and stem are deep green and glossy, and they begin to blossom in June and remain in bloom until October.

- Fantasy.** Rosy mauve; large flower trusses.
- Miss Lingard.** Pure white, with a lilac eye; very early.
- Mrs. Dalrymple.** White shaded rose, scarlet eye, large truss.
- Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## PHLOX ARENSI

A new race of hardy Phlox which originated through the successful crossing of the early flowering popular Phlox Divaricata Canadensis with the showy hardy varieties of Phlox Decussata. The plants are of vigorous, branching habit, growing according to the variety, from 12 to 24 inches high. Coming into flower during the latter part of May, they continue in good condition for nearly two months, producing a mass of flowers unknown in other types of Phlox.

- Charlotte.** Grows 18 to 24 inches high; flowers very large; pale lilac shaded pink with a prominent dark eye.
- Louise.** Light lilac flowers with a carmine eye; 2 feet high.
- Price, 25c. each; per doz., \$2.50.

## MISCELLANEOUS VARIETIES OF PHLOX

- Amoena.** A beautiful plant, with soft rose-colored flowers; one of the best for rockeries or borders; 4 inches high; April-May.
- Divaricata Canadensis.** A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May.
- Subulata Rosea (Moss Pink).** Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.
- Subulata Alba.** The same as Rosea, with pure white flowers.
- Subulata Lilacina.** A beautiful shade of lilac.
- Price of any of the above Miscellaneous Phlox, 25c. each; doz., \$2.50; \$15.00 per 100.

**SPECIAL NOTE.**—Besides the Phlox listed here we have many other varieties, though our collection offered in this book is about the best of the sorts.

## PARDANTHUS (Blackberry Lily)

Very pretty perennial with lily-like flowers of a very handsome appearance. Requires a rich soil and a sheltered situation in winter.

**Chinensis.** Flowers orange-colored, spotted with purple-brown; 18 inches to 2 feet; flowering in June. 30c. each; doz., \$3.00; \$20.00 per 100.

## PENTSTEMON (Beard Tongue)

Most useful showy perennials, either for the border or rockery. They are perfectly hardy.

**Barbatus Torreyi.** Spikes of brilliant scarlet flowers; height, 3 to 4 ft.; June to August.

**Digitalis.** Large spikes of long, purple-white flowers with purple throats; during June and July; 2 to 3 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

## PHYSALIS (Chinese Lantern Plant)

**Francheti.** An ornamental variety of the Winter Cherry, forming dense bushes, about 2 feet high, producing freely its bright orange scarlet lantern-like fruits; highly interesting. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## PHYSOSTEGIA (False Dragon-Head)

One of the most beautiful of our midsummer flowering perennials, forming dense hushes 4 to 6 feet high, bearing spikes of delicate tubular flowers, not unlike a gigantic heather.

**Virginica.** Bright but soft pink.

— **Alba.** Pure white; very fine.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## PINKS, HARDY GARDEN (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are splendid cut blooms.

**Elsie.** Bright rose with maroon centre.

**Essex Witch.** Delicate pink, finely fringed.

**White Reserve.** Classed as an everblooming variety, very double and pure white.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## PLATYCODON

### (Balloon Flower or Japanese Bell Flower)

The Platycodons are closely allied to the Campanulas, and form neat, branched bushes of upright habit.

Mrs. Ely says of them: "Do best if planted in early spring. They grow from 2 to 2½ feet high, and after the third season each plant will have from ten to twelve stalks covered with the lovely blue or white blossoms for nearly a month, beginning about July 10th. They are also free from attacks of insects, and if planted in good soil and well covered in late autumn with a litter of leaves or stable manure, will be found to be quite hardy."

**Grandiflorum.** Deep blue cupped, star-shaped flowers.

— **Album.** A white-flowered form of the above.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## PLUMBAGO (Lead-wort)

**Larpenatae.** One of the most desirable border and rock plants; it is of dwarf, spreading habit, growing 6 to 8 inches high, covered with deep blue flowers during the summer and fall months. 25c. each; doz., \$2.50; \$15.00 per 100.

## POLYGONUM (Knot-weed)

**Brunonis.** A fine plant for the rockery or border, with spikes of bright rose-colored flowers; July to September; 1 foot.

**Compactum.** Grows about 15 inches high, and during August and September the entire plant appears as a foamy mass of white flowers.

Price of the above, 25c. each; \$2.50 per doz.; per 100, \$15.00.

## POLEMONIUM (Jacob's Ladder)

**Reptans.** Useful border plants, about 12 inches high, succeeding best in a partially shaded position; deep green, finely-cut foliage, and spikes of showy blue flowers in May and June. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## PRIMULA (Hardy Primrose)

One of the first of the early spring flowers. They delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting, it can be highly recommended.

**Veris** (English Cowslip). A mixture comprising the various shades of red and yellow; a splendid plant for the spring blooming garden.

**Vulgaris** (English Primrose). Beautiful light canary yellow; long flower stems with large trusses.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## PYRETHRUM (Giant Daisy)

**Uliginosum.** Grows 3 to 4 feet high and is covered with large white Daisy-like flowers, 3 inches in diameter, from July to September. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## PULMONARIA (Lungwort)

Hardy perennials with handsome dark green spotted foliage, and pretty blue-bell flowers, that are of easy culture and do well in half-shaded, dry situations.

**Saccharata maculata** (Bethlehem Sage). Foliage mottled with silver-gray; terminal spikes of pink flowers changing to blue; 1 foot; May and June.

**Angustifolia Azurea** (Blue Cowslip). A very charming plant with long, deep green leaves and panicles of blue flowers; 6 inches. Price, 25c. each; \$2.50 per doz.; per 100, \$15.00.



Oriental Poppy

## POPPY (Oriental)

The gorgeous colored flowers of the Oriental type make a rich, brilliant show. These bloom usually in July. After the flowering period the plants have a tendency to take on the appearance as if they were dead, but they return to vigor usually as soon as the weather becomes cool.

**Goliath.** One of the most effective; flowers of a rich scarlet; the largest flowered of this class.

**Mrs. Perry.** A soft shade of salmon rose; a beautiful large flower. This variety should be in every garden.

**Perry's White.** Pure satiny white with a bold crimson blotch at the base of each petal.

**Orientalis** (The type). Brilliant scarlet with a black centre.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## POPPY (Iceland)

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Flowers continuously the entire summer.

**Orange, Yellow, White;** each color separate.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## RANUNCULUS (Buttercup; Crowfoot)

A well-grown mass of these charming old favorites, when in full blossom, is a sight not soon forgotten, but unfortunately not often seen here yet. They need a position in the herbaceous border where they will receive some shade during the warmer parts of the day, or a level place in a rock garden with a northern aspect, to show to best advantage their attractive flowers.

**Aconitifolius fl. pl.** (White Bachelor's Button; Fair Maids of France). Very ornamental; double white globose flowers; 2 feet; May and June. 25c. each; doz., \$2.50; \$15.00 per 100.

# MICHELL'S HARDY PERENNIAL PLANTS

## RUDBECKIA (Cone-flower)

Indispensable plants for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

**Golden Glow.** A well-known popular plant; a strong, robust grower, attaining a height of 5 to 6 feet, and produces masses of double golden-yellow Cactus Dahlia-like flowers from July to September.

**Newmani.** Dark orange-yellow flowers, with deep purple cone, borne on stiff, wiry stems 3 feet high; flowers from July to September.

**Nitida "Autumn Sun."** An attractive single-flowering variety, growing 5 to 6 feet high, with long, broad petals of bright primrose-yellow; August to October.

**Purpurea (Giant Purple Cone-flower).** Flowers about 4 inches across, of a peculiar reddish-purple with a remarkably large cone-shaped centre of brown; forms bushy plants 3 feet high and blooms from July to October.

Price, 25c. each; doz., \$2.50; per 100, \$15.00.

## SALVIA (Sage)

Perennials with strikingly beautiful, orchid-like bloom, that make them welcome in the herbaceous border. Leaves are used in medicine and for the kitchen.

**Argentea (Silvery Clary).** Grown for its large ornamental, silvery-white foliage; flowers pinkish-white; 2 to 3 feet.

**Azarea Grandiflora (Rocky Mountain Sage).** Sky-blue flowers in greatest profusion; 6 feet.

**Greggii.** A beautiful new everblooming and extremely hardy shrub from the cold, arid mountains of western Texas. It flourishes and blooms profusely in hottest and driest weather. Its flowers are a dark, soft cerise-crimson like the American Beauty Rose. Massed in solid bed or bordering shrubbery, effective and fine; 3 to 4 feet.

**Virgata Nemorosa.** An interesting plant for the hardy border; flower spikes bear many-flowered whorls of dark blue blossoms; the unexpanded buds are light violet blue, forming a pleasing color combination. It continues in flower for about six weeks during the early summer months; 18 inches.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## SAPONARIA (Soapwort)

Very ornamental, dwarf-growing perennials; very attractive for the rockery or as an edging plant. They are readily established in any soil and require little care.

**Caucasica fl. pl. (Double Flg. Bouncing Bet).** Double white flowers, 6 to 9 inches.

**Ocymoides splendens (Rock Soapwort).** Dwarf creeping habit; rosy crimson flowers; 6 to 9 inches.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## SCABIOSA

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water; the average height is about 2½ feet. Very free flowering.

**Caucasica.** A delicate shade of lavender blue, starting in flower in June and lasting well through the summer.

**Caucasica Alba.** White. Like the above, except the color.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.



Sedum Spectabile, Brilliant

## SEDUM (Stonecrop)

**Spectabile Brilliant.** One of the prettiest tall growing species, reaching a height of about 18 inches; broad light green foliage and richly colored flowers of amaranth red. September-October. Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## SCUTELLARIA (Helmet Flower; Skull Cap)

Splendid plants for warm situations at the front of the border. **Baicalensis coelestina.** Large spikes of purple flowers. 1 foot. July-August.

**Lupulina.** Blue and white flowers on long spikes. A very neat border plant. 1 foot. May-August.

Price, 25c. each; \$2.50 per doz.; per 100, \$15.00.

## SENECIO (Groundsel)

**Pulcher.** Forms a neat tuft of foliage from which springs up from July to October, a succession of 2 feet high stems, with clusters of brilliant rosy purple flowers, of good size. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## SOLIDAGO (Golden Rod)

The Golden Rod in a cultivated form is one of the best hardy garden plants. We have discarded all other varieties except the one listed, as from observation we believe it fills every want for this plant.

**Golden Wings.** The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers from July to September.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## SPIRAEA (Goat's Beard, Meadow Sweet)

Elegant border plants with feathery plumes of flowers and neat, attractive foliage; succeed best in a half-shaded location in rich, moist soil.

**Aruncus.** A noble variety, 3 to 5 feet high, producing in June and July long, feathery panicles of white flowers.

**Filipendula Fl. Pl. (Double-flowered Dropwort).** Numerous corymbs of double white flowers on stems 15 inches high, during June and July, and pretty fern-like foliage.

**Palmata (Crimson Meadow Sweet).** One of the most beautiful hardy plants; the deep purple red of the stems and branches passing into the crimson purple of the broad corymbs of flowers, which are produced very freely during June and July; 3 feet.

Price, 35c. each; doz., \$3.50; \$25.00 per 100.

## STACHYS (Woundwort)

**Betonica Grandiflora (Betony).** Large flowers of purplish-rose; June and July; 15 inches.

**Lanata.** Forms a densely leaved mass of bright, silvery-white woolly foliage, and inconspicuous clusters of light purple flowers.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

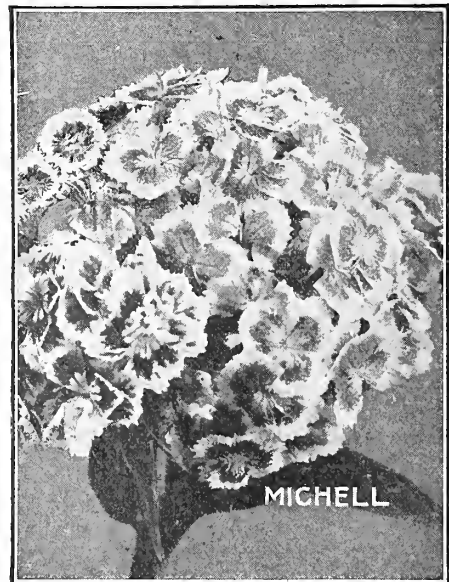
## STATICE (Sea Lavender)

Very ornamental genus of easy culture, but prefer a rather deep, loose soil. From the delicate nature of the flower panicles, the species are better suited to rockwork and isolated positions, than for mixing in a crowded border. Useful for cut blooms, especially for mixing with other flowers. July-August.

**Latifolia (Great Sea Lavender).** Handsome plants with heads of dark blue flowers; invaluable for cutting, the flowers, when dried, lasting for months. 1 to 2 feet.

**Eximia fl. alba (White Sea Lavender).** Beautiful heads of light and graceful white flowers. Useful for table decoration. 1 foot.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.



Sweet William



## STOKESIA (Cornflower Aster)

The flower has the appearance combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Succeeds in most any location.

*Cyanea*. Very light blue.  
*Cyanea Alba*. Pure white.

Price of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

## SWEET WILLIAM (Dianthus Barbatus)

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect; for just when they are in flower it is generally too soon for other perennials. For wild garden effect, Sweet Williams occupy first place.

**Michell's Prize Mixture.** In all colors.

**Pink Beauty** (Sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty.

Price of Sweet Williams, 25c. each; doz., \$2.50; \$15.00 per 100.

## SYMPHYTUM (Comfrey)

**Asperillum Aureo Variegatum.** A pretty golden variegated foliage border plant; in spring the leaves form rosettes close to the ground; later in the season the stems and leaves rise and form a taller plant, 15 to 18 inches high, with numerous drooping blue bell-shaped flowers. 35c. each; per doz., \$3.50; \$25.00 per 100.

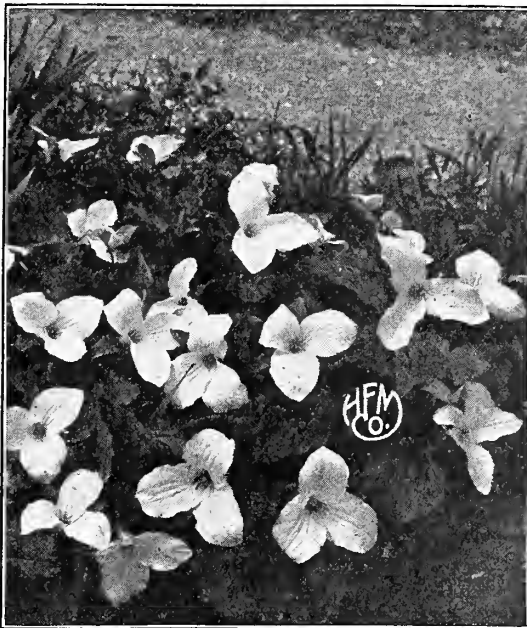
## TANACETUM (Tansy; Costmary; Bible Leaf)

These are odorous plants with variously cut leaves, and pretty little flowers, thriving in any situation and of the easiest culture. The leaves were formerly used as bookmarks because of their fragrance, and hence the popular name Bible Leaf.

**Vulgare (Tansy)** — Golden yellow flowers and beautiful sprays of fern-like foliage. 3 feet. June to August.

**Balsamita (Costmary, Mint Geranium, or Bible Leaf).** A very old garden variety.

25c. each; doz., \$2.50; \$15.00 per 100.



Trillium



Veronica Subsessilis

## THALICTRUM (Meadow Rue)

Very graceful, pretty flowered plants, with finely cut foliage; great favorites for planting in the hardy border; the dwarf varieties also being effective and useful in the rockery.

**Adiantifolium.** A beautiful variety, with foliage like the Maiden Hair Fern and miniature white flowers in June and July; 1½ to 2 feet.

**Aquilegfolium Atropurpureum.** Elegant, graceful foliage and masses of rosy-purple flowers; May to July; 2 to 3 feet.

**Glaucum.** Fine cut foliage; bronzy-yellow flowers in June; 2 feet.  
25c. each; \$2.50 per doz.; \$15.00 per 100.

## THERMOPSIS

**Caroliniana.** A showy, tall-growing plant, attaining a height of 3 feet, producing long spikes of yellow flowers in June and July. 25c. each; \$2.50 per doz.; per 100, \$15.00.



Thalictrum

## TIARELLA (Foam Flower)

**Purpurea Major.** An attractive variety, forming a neat, compact clump; the foliage is unusually bright, as it expands in the spring; bears long spikes of salmon-red flowers. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## TRADESCANTIA (Spider Wort)

**Virginica.** Produces a succession of blue flowers all summer; 1½ to 2½ feet.

— **Alba.** A white-flowered form.  
25c. each; \$2.50 per doz.; per 100, \$15.00.

## TRILLIUM

(Wood Lily, or Wake Robin)

Excellent plants for shady positions in the hardy border, or in a sub-aquatic position, flowering in early spring; 12 to 18 inches.

**Erectum.** This is the Purple Wood Lily; the earliest to flower.

**Grandiflorum.** The largest white; probably the handsomest.  
20c. each; \$2.00 per doz.; \$12.50 per 100.

## TROLLIUS (Globe Flower)

Desirable free-flowering plants, producing their giant Buttercup-like blossoms on stems 1 to 2 feet high from May until August; succeed admirably in the border in a half-shady position, in well drained, preferably light soil.

**Goldquelle.** Rich golden yellow.

**Japanese Excelsior.** A beautiful variety, with deep orange flowers.

**Caucasicus "Orange Globe."** Large, deep orange-colored flowers.  
25c. each; doz., \$2.50; \$15.00 per 100.

## TRITOMA

(Red-hot Poker, Flame Flower or Torch Lily)

**Pfitzerii (The Everblooming Flame Flower).** The early, free and continuous blooming qualities of this variety have made it one of the great bedding plants, and when we consider that there are few flowering plants which are suitable for massing under our severe climatic conditions, it is little wonder that such an elegant subject should become so popular. Succeeds in any ordinary garden soil, but responds quickly to liberal treatment; hardly if given protection, but the most satisfactory method of wintering is to bury the roots in sand in a cool cellar. In bloom from August to October, with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses. 25c. each; per doz., \$2.50; \$15.00 per 100.

# MICHELL'S HARDY PERENNIAL PLANTS

## TUNICA

*Saxifraga*. A pretty tufted plant with light pink flowers; produced all summer; useful either for the rockery or the border. 25c. each; \$2.50 per doz.; per 100, \$15.00.

## VALERIANA (Valerian)

*Coccinea*. Showy heads of reddish flowers; June to October; 2 feet.

— *Alba*. A white-flowered form.

Price, 25c. each; per doz., \$2.50; \$15.00 per 100.

## VERBASCUM (Mullein)

*Longiflorum Pannosum*. Clear yellow; very ornamental; fine large, silvery foliage; 6 feet. June to August.

*Olympicum*. A tall variety, with yellow flowers; 8 feet. May, June.

*Phoeniceum*. A distinct and valuable species, with purple and pink flowers. 2 feet. June, July.

25c. each; doz., \$2.50; \$15.00 per 100.

## VERONICA (Speedwell; Cancerwort)

A large and much cultivated group of blue-flowered perennials, great favorites in the hardy garden. The taller forms are very pretty border plants, while the more dwarf, spreading forms are well adapted to the rockery. Unexcelled for cutting purposes.

*Amethystina* (Bastard Speedwell). Amethyst-blue flowers on short spikes; one of the best. 1 to 3 feet. May to June.

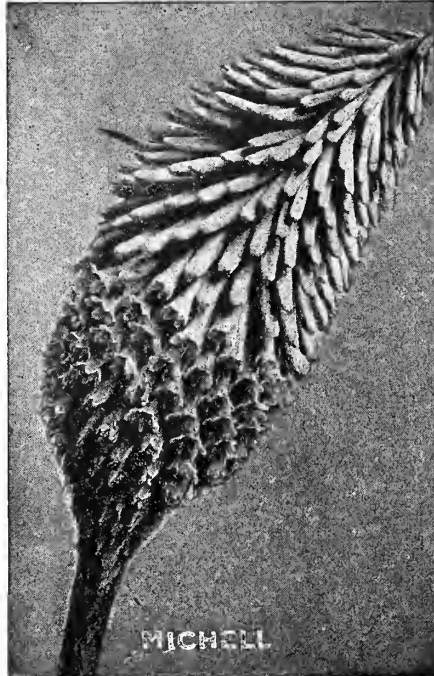
*Incana* (Hoary Speedwell). White, woolly plant, tufted, with pale blue flowers; has a good appearance both in and out of bloom; useful in the rockery, border or geometrical garden. 1 foot to 18 inches. July to August.

*Incana Subsessilis*. Is destined to create as much furore in the flower world as did the Golden Glow. It is the handsomest blue-flowered plant we know of, growing to a height of two feet and completely studded with its spikes of blue flowers. Its flowers are fine for cutting. It is perfectly hardy and increases in strength and in beauty each succeeding year. It makes the best blue-flowered, hardy border plant obtainable. 2 feet. August to October.

*Spicata*. Regarded as one of the better border Speedwells, thriving in an open soil away from shade; clear blue flowers with purple stamens. 2 to 4 feet. June to August.

*Virginica* (Great Virginian Speedwell). Free growing herb, with bold and stately habit, with fondness for rich soil, and much sun; flowers many, white or pale blue. 2 to 5 feet. August to September.

Price of the above, 25c. each; doz., \$2.50; \$15.00 per 100.



*Tritoma Pfitzeri*

of its dwarf creeping habit. The foliage is green all winter.  
*Aurea*. Identical in habit and value with the Minor type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes. 25c. each; doz., \$2.50; \$15.00 per 100.  
*Minor*. Green foliage, lavender flowers. Extra strong plants. 25c. each; doz., \$2.50; \$15.00 per 100.

## YUCCA (Adam's Needle)

This plant sets off to best advantage if used as individual specimens, either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream-white bell-shaped drooping flowers July and August. A majestic plant, especially fine for producing tropical effects.

*Filamentosa*. White, with reflexed flower bells. Extra strong plants, 35c. each; doz., \$3.50; \$25.00 per 100.

## MICHELL'S COLLECTIONS OF HARDY PERENNIALS

We offer customers who are not acquainted with the different sorts the following collections, at greatly reduced prices, all in good, strong plants, which once established will, with little care, keep the garden gay with flowers from the time frost leaves the ground until late in the autumn.

These collections are according to our own selection at the special prices named. For Sunny, Shaded or Partially Shady Perennial Border.

Collection No.	Number of Plants	Description	Price
1	12	Hardy Perennials in 12 distinct named species for...	\$2.00
2	25	Hardy Perennials in 25 distinct named species for...	4.00
3	50	Hardy Perennials in 50 distinct named species for...	8.00
4	100	Hardy Perennials in 100 distinct named species for...	15.00
5	250	Hardy Perennials in 125 distinct named species for...	35.00
6	500	Hardy Perennials in 250 distinct named species for...	60.00
7	1000	Hardy Perennials in 250 distinct named species for...	100.00

When ordering give number and collection wanted and state if for sunny or partially shaded position.



*Viola Cornuta*

## VIOLAS, OR TUFTED PANSIES (*Viola Cornuta*)

The improved forms of *Viola Cornuta* are one of the important bedding plants of Europe, and are rapidly growing in favor here. They flower continuously for nearly eight months in the year; and while their flowers are not so large as those of the Pansy, their bright colors and free-flowering qualities make them welcome additions to any garden.  
*Blue Perfection*. Deep purplish-blue.  
*Lutea Splendens*. Rich golden yellow.  
*White Perfection*. A fine white.

20c. each; per doz., \$2.00; \$12.50 per 100.

## VINCA (Periwinkle or Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots it is desired to cover where no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason



*Yucca Filamentosa*

Vines play an important part in the landscape of the home. There are so many purposes they fill that we cannot recommend too highly their general use.

**AKEBIA—Quinata.** Quick-growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants 35c. each; dozen, \$3.50; \$25.00 per 100.

**AMPELOPSIS—Quinquefolia** (Virginia Creeper). The large handsome, dark green leaves are deeply cut into five lobes. In the autumn the foliage turns a beautiful rich crimson; especially adapted in covering tree stumps and trunks. Extra strong plants, 35c. each; per dozen, \$3.50; \$25.00 per 100.

**AMPELOPSIS—Veitchii** (Boston Ivy). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. Strong plants, 50c. each; per dozen, \$5.00; \$35.00 per 100.

**ARISTOLOCHIA—Sipho** (Dutchman's Pipe). Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. Large plants, \$1.00 each.

**BIGNONIA (Trumpet Vine).** These are strong-growing vines, with rich green foliage and trumpet-shaped flowers.

**Grandiflora.** Large flowering; bright orange-red, 75c. each.

**Radicans.** Free flowering dark red, throat shaded orange.

Strong plants, 60c. each.

**CELASTRUS (Bittersweet or Waxwort)—Scandens.** A vine of rapid growth. In the early summer it produces yellow flowers, which by autumn have turned to bright, orange-colored fruits, with red markings. Extra strong plants. 50c. each; per doz., \$5.00.

**CINNAMON VINE**—A very free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. These can be mailed. Extra strong roots, 10c. each; per dozen, \$1.00; \$7.00 per 100.

**CLEMATIS.** This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather.

Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure or leaves around the roots.

**Coccinea.** Bright red, bell-shaped, small flowers, which begin to appear in June and last until frost. 75c. each; doz., \$7.50.

**Crispa.** This variety bears sweet-scented, lavender flowers. 75c. each; doz., \$7.50.

**Henryi.** Creamy white, large single flowers, borne in great profusion. 75c. each; doz., \$7.50.

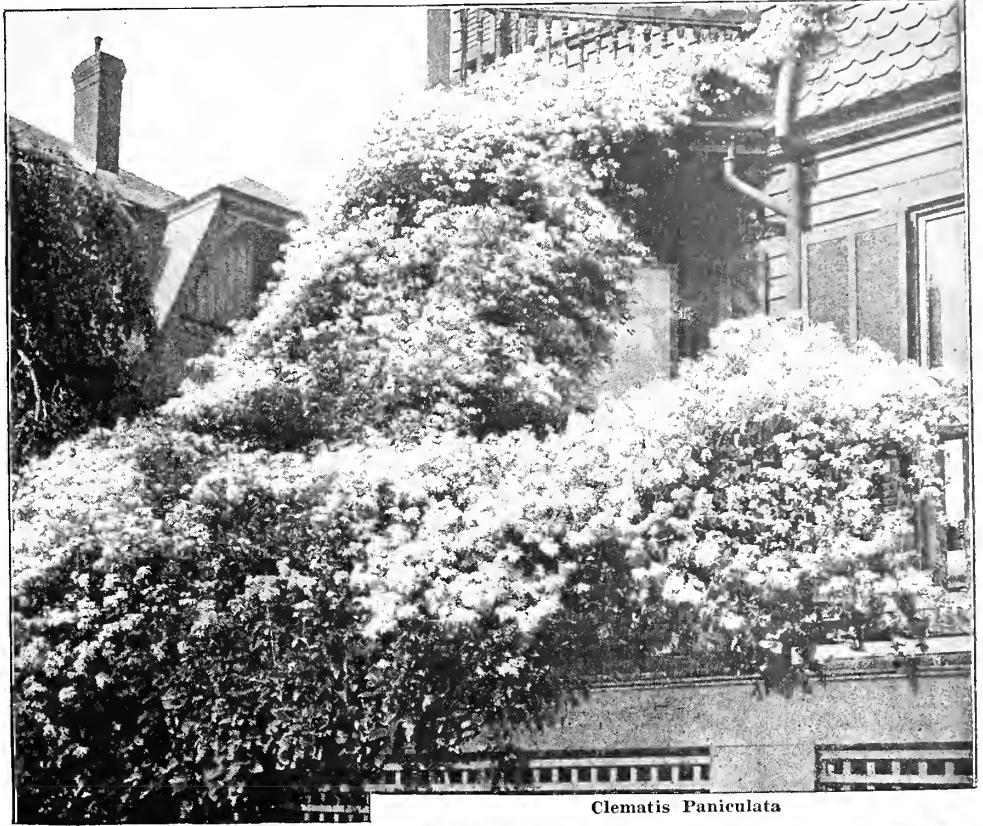
**Jackmanni.** Violet-purple; intensely colored, gigantic flower. 75c. each; doz., \$7.50.

**Mme. Baron Veillard.** Large flowering; rich, reddish purple. 75c. each; doz., \$7.50.

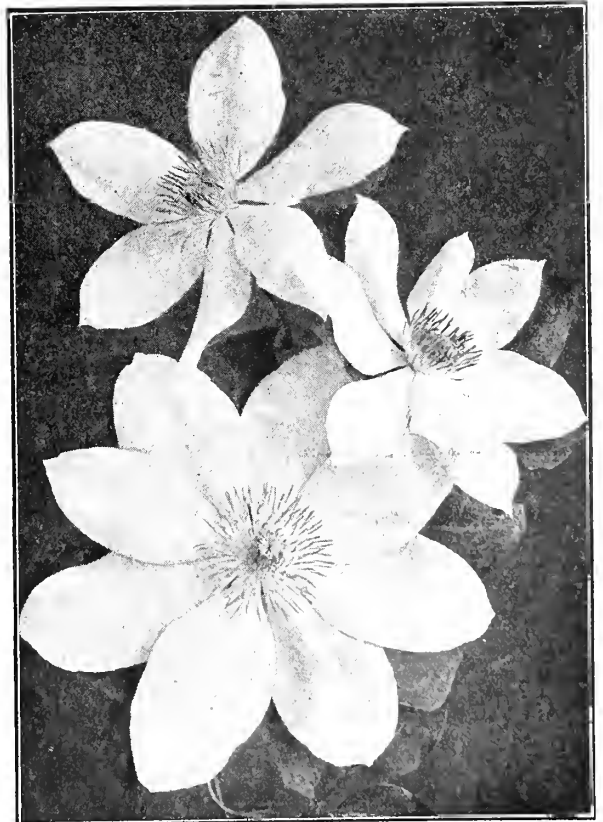
**Mad. Edouard Andre.** Velvety red. Flowers are well formed and of great substance; the blooms are gigantic. 75c. each; doz., \$7.50.

**Ramona.** Very large flowering; soft blue. 75c. each; doz., \$7.50.

**Paniculata (Japanese Virgin's Bower).** A strong, luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 25c. each; per doz., \$2.50; \$15.00 per 100. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.



Clematis Paniculata



Clematis Jackmanni

# Michell's Climbing Plants and Vines

**COBEA—Scandens.** (Annual). A beautiful blue, cup-shaped flowering annual climber; very desirable for lattice covering, etc. Extra strong plants, 4 in. pots, 30c. each; per doz., \$3.00.

**EUONYMOUS—Radicans Variegata.** Self-clinging vine, suitable for covering walls, stumps or rockeries, or wherever a vine of slow growing habit is desired. Leaves are variegated. 25c. each; doz., \$2.50; \$15.00 per 100.

**Euonymous Radicans.** Deep green foliage, otherwise like the above variety; valuable for covering low walls. 25c. each; doz., \$2.50; \$15.00 per 100.

**Euonymous Vegetus.** This plant is regarded far too little in importance as a strictly A-1 variety for climbing stone walls of buildings or otherwise; it ranks favorably with English Ivy, except that it is evergreen and does not winter kill or shed its foliage. The foliage is larger than that of the type Radicans, and the plant produces an orange-colored berry, which remains on the plant the most part of the winter. Euonymous Vegetus should be planted more extensively than it is. 35c. each; doz., \$3.50; \$25.00 per 100.

**HONEYSUCKLE.** This favorite requires very little comment or description; always yielding in their season a wealth of fragrant bloom.

**Chinese Evergreen.** Yellow and white variegated flowers; very fragrant; blooms the entire season.

**Halliana (Hall's Honeysuckle).** Flowers pure white, turning to yellow; fragrant; hardy evergreen; flowers from June until frost.

**Red Coral or Scarlet Trumpet.** Bright red, trumpet-shaped flowers. Bloom all summer. Extra strong plants only. 50c. each; doz., \$5.00.

**Variegated (Aurea Reticulata).** Foliage beautifully mottled yellow and green; flowers white and yellow.

Price of any of the above Honeysuckles, 4 in. pot plants, 50c. each; doz., \$5.00; \$30.00 per 100. 6 in. pot plants, 75c. each; doz., \$7.50; \$50.00 per 100.

**HOP VINE—Japanese.** A rapid grower, with dark green foliage, and bears a profusion of seed-pods, suitable for many domestic purposes. Strong pot plants, 25c. each; doz., \$2.50.

**IVY (English).** This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4 in. pot plants, 35c. each; per doz., \$3.50; \$25.00 per 100. 6 in. pot plants, \$1.00 each; doz., \$10.00; \$75.00 per 100. We also have a few fine plants in 12 in. tubs, made up for specimens, about 3 ft. high. \$3.50 each.

**KUDZU (Pueraria).** This vine grows a foot a day and makes a dense covering; exceedingly attractive. Towards the end of summer it produces small, rosy-purple flowers. 25c. each; doz., \$2.50; \$18.00 per 100.

**LATHYRUS (Hardy Pea).** This is a splendid plant for training on pillars, columns and similar places; it flowers during the greater part of the summer, and is a really splendid cut flower, lasting well, and is very effective.

**White Pearl.** Pure white, giant flower trusses. 50c. each; doz., \$5.00.

**Latifolius Pink Beauty.** Beautiful rose pink. 30c. each; doz., \$3.00.

**Latifolius Crimson.** Rich red. 30c. each; doz., \$3.00.

**Latifolius Albus.** Pure white. 30c. each; doz., \$3.00.

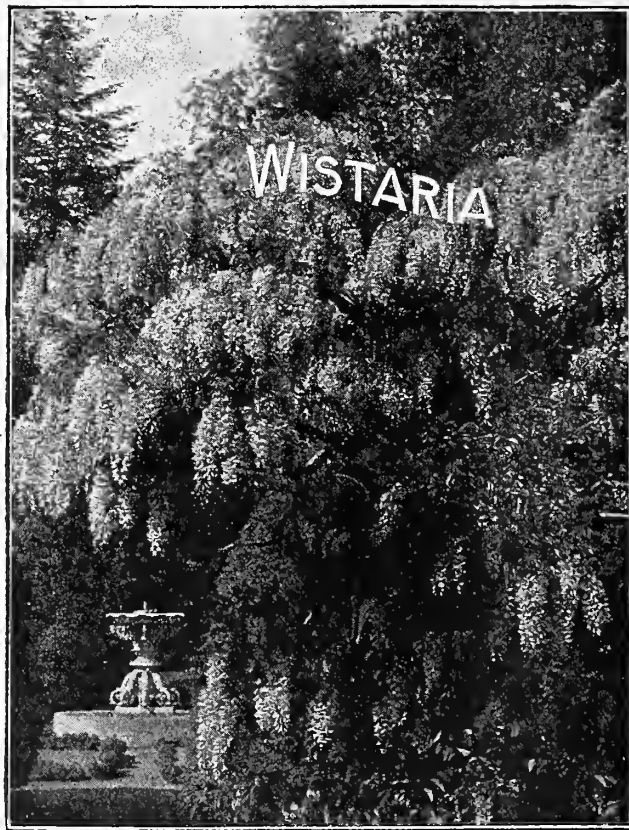
**LYCIUM (Matrimony Vine)—Barbarum.** A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries, which remain until late winter. 50c. each; doz., \$5.00.

**MADEIRA OR MEXICAN VINE.** The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small; white in color. Strong roots, 15c. each; single roots, mailed free; per doz., \$1.50; \$10.00 per 100 by express.

**MOON VINE—Learii (Blue Dawn Flower).** (Annual.) Enormous blooms of intense violet shade, frequently 4 or more inches in diameter. Planted in amongst the white variety, the effect is charming. The Learii type blooms all day. Extra strong plants. 25c. each; doz., \$2.75.

**MOON VINE—Noctiflora.** (Annual.) A pure white variety, blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. Extra strong plants, 25c. each; doz., \$2.75; \$17.50 per 100.

**MOON VINE (Hardy).** Beautiful rose-pink flowers, large in size. Extra strong plants, 30c. each; doz., \$3.00. (Moon Vines are ready after April 15th.)



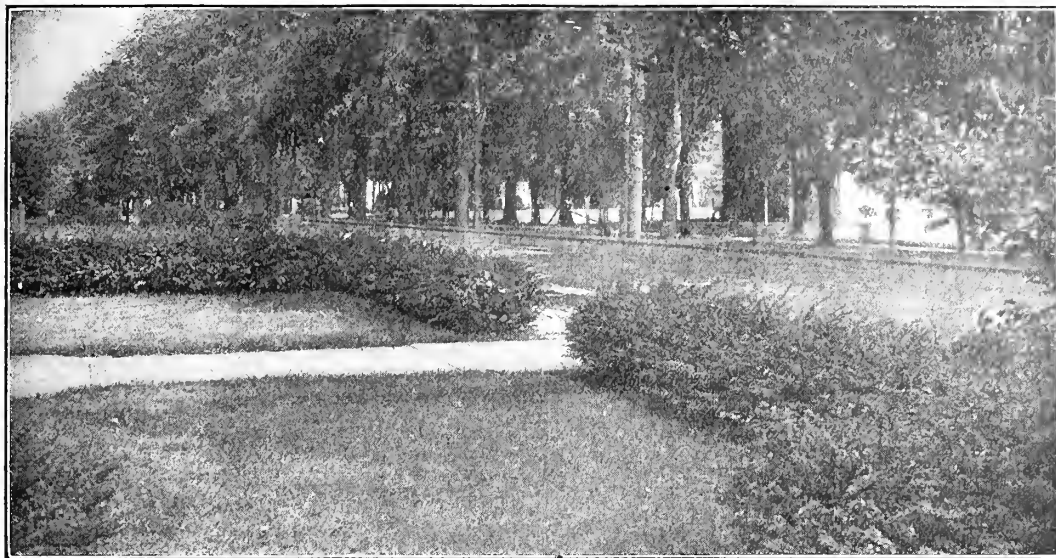
**WISTARIA.** This flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously by an extra growth and an abundance of flowers.

**Chinensis (Chinese Wistaria).** Pale blue; somewhat fragrant. Extra strong plants, \$1.00 each.

**Chinensis Alba.** A beautiful white flowering form of the above. Extra strong plants, \$1.00 each.

## BERBERIS THUNBERGII (Japanese Barberry)

A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly, with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.



A Hedge of Berberis Thunbergii—Nothing in the Hedge Plant Line Equals it for Grace and Beauty

## CALIFORNIA PRIVET

Unlike a fence which needs painting, repainting, etc., and then never looks well. This hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in beauty with each successive year. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 15th till the ground freezes, and from March 15th to May 15th.

	Height	Doz.	100	1000
1-yr.-old,	18 to 24 in.	\$1.00	\$5.00	\$40.00
2-yr.-old,	24 to 30 in.	1.25	7.50	50.00
2-yr.-old,	30 to 36 in.	1.50	8.50	60.00

**NOTE.**—Our privet is especially fine and will give splendid satisfaction.

**PLEASE NOTE.**—All privet offered are of the height specified before shipping, but to save space in packing and transportation all Privet will be shipped cut back to 18 inches. It is advisable to trim it after planting in any event to this height if not lower.

## GOLDEN OR VARIEGATED LEAVED PRIVET

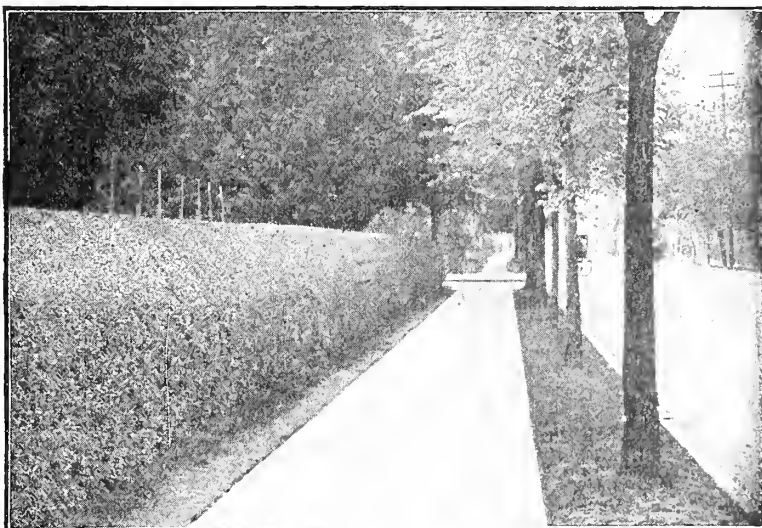
Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. It is quite new and the stock is limited; when available it will become very popular. We recommend it especially for placing among shrubbery or for planting on the lawn; the contrast between the grass and golden foliage is beautiful.

Bushy Plants, 15 to 18 in. high, \$1.00 each; doz., \$10.00.

## BOXWOOD (Buxus suffruticosa.) (For Edging)

In Europe the Boxwood edging plays a very conspicuous part in every garden. There is something about it which adds a home-like feeling to the surroundings. At times, especially in the morning, or after a rain, it seems to permeate the air with a distinct, pleasant odor. A planting lasts a lifetime. Many Boxwood inclosures, planted a hundred years ago, are in existence today. It grows rather bushy, instead of in height. It should be set about 4 inches apart and trimmed to shape according to its growth.

4 to 6 inches high. Prices upon application.  
6 to 8 inches high. Prices upon application.



A Privet Hedge Is Much More Attractive Than the Best Fence



Boxwood Edging Adds to a Garden Charm and Beauty That Cannot Be Obtained with Any Other Plant

# 132 MICHELL'S HARDY DECORATIVE FLOWERING SHRUBS

**PLEASE NOTE.**—In order to facilitate the packing of, and so that the least shipping space practical is required, most large nurserymen, including ourselves, will cut back all shrubbery, hedge plants and small fruits prior to packing and shipping.

This trimming back will be practically the same as is usually done at the time of planting, so the stock when received by you need not be trimmed at planting time.

**ALTHEA (Rose of Sharon).**—These thrive almost anywhere, producing their bloom from July till September.

**Alba Plena.** Pure white; double.

**Atropurpurea Plena.** Double purple.

**Duchess de Brabant.** Double; deep red.

**Totus Albus.** Single; pure white.

Plants, 2-2½ feet high, 60c. each; doz., \$6.00; \$35.00 per 100.

**AMYGDALUS (Flowering Almond).**—**Rubra Flore Pleno Nana.** Erect slender branches, which are covered in May with small, very double, fragrant, pink flowers. Strong plants 2-3 feet. \$1.00 each; 6 for \$4.00; \$7.50 per dozen.

**BERBERIS (Japanese Barberry).**—**Thunbergii.** A good, hardy plant of low, dense growth for lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Doz. 100 1000

1 to 1½ feet (plant 8 to 10 inches apart)..\$2.50 \$18.00 \$150.00

1½ to 2 feet (plant 10 to 12 inches apart).. 3.00 20.00 175.00

2 to 2½ feet (plant 12 inches apart) ..... 4.00 30.00

**BUDDLEYA (Butterfly Bush).**—**Variabilis Magnifica.** Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. 3-inch pot plants, 30c. each; doz., \$3.00; \$20.00 per 100. 4-inch pot plants, 50c. each; doz., \$5.00.

**CALYCANTHUS (Sweet Shrub or All Spice).**—**Floridus.** Chocolate-colored, double flowers, with a peculiar agreeable odor. Blooms in June. 3-4 feet, 60c. each; doz., \$6.00.

**CERASUS (Flowering Cherry).**—**Double Pink.** Beautiful shade of pink; splendid for lawn decoration; 3 to 4 feet. \$1.75 each.

**CERASUS (Flowering Cherry).**—**Double White.** Numerous white flowers conceal the branches in May; 4 to 5 feet. \$1.50 each.

**CERCIS (Judas or Red Bush).**—**Canadensis.** A tall, slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers; 4-6 feet plants. \$1.00 each; doz., \$10.00.

**CHIONANTHUS (White Fringe).**—**Virginica.** In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants; 2-2½ feet. 60c. each; doz., \$6.00.

**CLETHRA (Sweet Pepper Bush).**—**Alnifolia.** Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. 2-3 feet; 60c. each; doz., \$6.00.

**CORNUS (Dogwood).**—This plant is so well known that it hardly needs description. The flowers appear before the foliage in May. In the autumn it takes on a rich crimson shade.

**Florida (White Flowered Dogwood).** Strong plants; 4-5 ft. \$1.50 each; doz., \$15.00.

**Rubra (Pink Flowered Dogwood).** 3-4 ft. \$2.50 each.

**CYTISUS (Golden Chain).**—**Laburnum.** A large shrub with shining green leaves and long, drooping racemes of yellow flowers, which appear in early summer; 5 ft. plants. 75c. each; doz., \$7.50.

**DEUTZIA.**—The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive. Can be used for cut flowers.

**Candidissima (Fl. pl.).** Abundant racemes of double, pure white flowers in June; luxuriant foliage, and fine habit. 4 ft. plants.

**Crenata Rosea (Fl. pl.).** Double flowering; white tinged pink. 4 ft.

**Gracilis.** Of dwarf, bushy habit. White flowers. 18 inches. Price of the above, 60c. each; doz., \$6.00.

**EUONYMUS.**—**Japonica Aurea Var.** Beautiful deep green and yellow margined foliage; a splendid evergreen. 12 to 15 inch plants. \$1.50 each; doz., \$15.00.

**FORSYTHIA (Golden Bells).**—Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare. In fact, when in flower, nothing else but bloom can be seen.

**Fortunei.** Erect growing with dark green foliage; strong plants, 4 ft. 60c. each; doz., \$6.00.

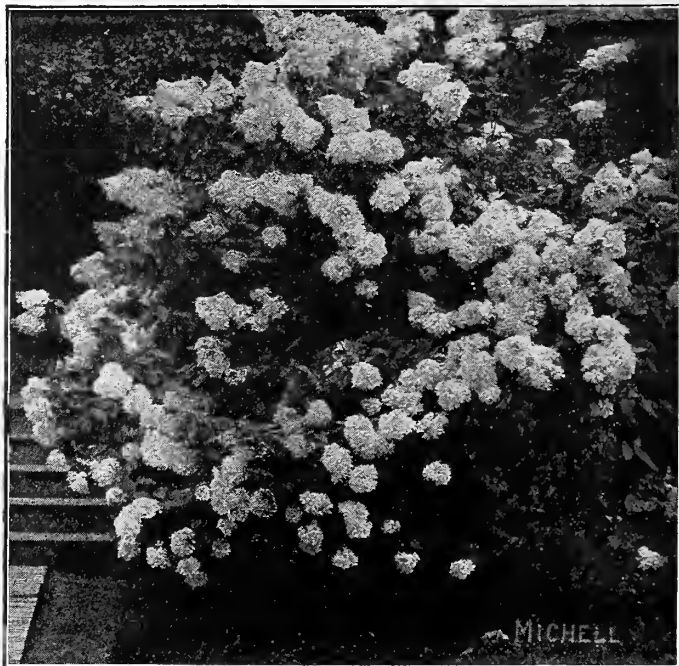
Shipping season is usually from March 15th to May 1st and from October 15th to November 15th.

**HYDRANGEA.**—**Arborescens Grandiflora Alba (Snowball Hydrangea).** The snow-white blooms are of the largest size. Coming into flower early in June and lasting until late August. Is more hardy than any other sorts and especially suited to plant in shaded places. 2-2½ ft.; 60c. each; doz., \$6.00.

**Paniculata Grandiflora.** The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form, 2 to 3 ft. plants, 60c. each; per doz., \$6.00. Extra strong stock, 3 to 4 ft. \$1.00 each; per doz., \$10.00.

**Paniculata Grandiflora (Standard or Tree Shaped).** These are fine, planted as individual specimens in the lawn, or in the centre of beds, containing other plants. Stems, 2 to 2½ feet long with shapely heads. \$1.75 each; per doz., \$17.50.

(Otaksa and French Varieties) (See page 133)



Hydrangea Paniculata Grandiflora

**KERRIA (Globe Flower or Corchorus).**—Shrubs with light green branches. Does well in any soil, in shaded or open locations, flowering in May and June.

**Double-flowered.** Of medium size; double yellow flowers. Plants, 1½ feet high. 60c. each; per doz., \$6.00.

**LONICERA Morrowi (Japanese Bush Honeysuckle).** An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 3 feet. 60c. each; doz., \$6.00.

**LILACS.—Persian.** Early purple flowering; very profuse. 18 to 24 inches high. 60c. each; doz., \$6.00.

**Vulgaris.** Common purple, sweet-scented lilac. 30 inches high. 60c. each; doz., \$6.00.

**Vulgaris Alba.** Pure white type of the above, but more fragrant. 18 to 36 inches high. 60c. each; doz., \$6.00.

**White Persian.** Very early flowering; pure white, sweet scented. 36 to 48 inches high. 60c. each; doz., \$6.00.

**MALUS (Bechtel's Double Flowering Crab).**—Grows medium height, producing large double flowers of wonderful fragrance. 2 to 3 ft. high, \$2.00 each. 3 to 4 ft. high, \$3.00 each.

**PHILADELPHUS (Mock Orange or Orange Blossoms).**—A shrub that can always be depended upon to give splendid satisfaction. No insects bother it, and in May and June the bushes are literally covered with flowers.

**Coronarius.** Handsome foliage and beautiful white flowers, quite fragrant. Plants, 2 feet. 60c. each; doz., \$6.00.

**PRUNUS Pissardi (Purple-leaved Plum).** A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost; have small pinkish white flowers in early spring. Plants, 5 to 6 feet. \$1.50 each; doz., \$15.00.

**PYRUS Japonicus (Japan Quince).**—This shrub is a beautiful sight, when covered in the early spring with cherry-red flowers, about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince Jelly or preserves. This plant can also be used for hedge effects, and on account of the thorny nature it is a good barrier against cats, dogs and other animals. Extra strong plants, 2 ft. 75c. each; doz., \$7.50.

# MICHELL'S FLOWERING AND DECORATIVE HARDY SHRUBS 133

**Viburnum Plicatum** (Japanese Snowball). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. Extra fine plants, 3 to 4 feet, 75c. each; doz., \$7.50.

**Viburnum Opulus Sterilis** (Guelder Rose or Snowball). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, 3 to 3½ feet, 75c. each; doz., \$7.50.

**Symphoricarpos Racemosus** (Snowberry). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter; strong plants, 60c. each; doz., \$6.00.

**Weigelia Amabilis**. A pink flowering variety in bloom during June and July; extra strong plants, 2 to 4 feet. 60c. each; doz., \$6.00.

**Weigelia Candida**. Flowers abundantly in June and July; additional bloom is also shown during the autumn months. The tube-

shaped flowers are pure white; fine for cutting. Plants, 4 feet. 60c. each; doz., \$6.00.

**Weigelia Eva Rathke**. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts, 2 to 3 feet. 60c. each; doz., \$6.00.

**Spirea**. This group embraces a wide variety, so much so that frequently one might suppose that the plants belong to a different family, from which it can be seen that a collection of them will make an effective variety.

**Spirea Anthony Waterer**. Of dwarf, dense habit, bearing a profusion of crimson flowers. 18 inches. 60c. each; per doz., \$6.00.

**Spirea Prunifolia** (Bridal Wreath). The pretty double white flowers are all along the almost leafless stem about May 1st, just as the leaves are budding. Splendid plants, 3 feet. 60c. each; per doz., \$6.00.

## MICHELL'S HYDRANGEA HORTENSIS

**NOTE.**—Except on southern orders or in cases where customers have greenhouses, we do not ship this class of plants out until May unless especially requested to do so. Where customers desire them shipped prior to our usual shipping date, we can forward at their risk of loss.

This class of Hydrangeas is seen planted extensively at the North Atlantic seashore and inland resorts. They seem to do especially well in these localities. It has been the general opinion that the plant is not hardy, but in many places it is not afforded even the slightest protection, although we recommend that care be taken, especially for the first few years after planting, and especially so with the French sorts, to protect them over winter with a covering of manure or other suitable litter, and also to wrap the plants in burlap, straw or even paper will do, as this will protect the flower buds, which are often injured in severe winters, although the plants otherwise do not suffer. If winter protection is used, same should not be removed until all danger of frost is over, otherwise the tender shoots are nipped in the cold nights of early spring, and few flowers are the result. These varieties of Hydrangeas often change their colors; for instance, pink varieties will sometimes turn blue. This, however, is infrequent, but when the type is fixed it usually remains so. If, however, it is desired to change pink Hydrangea blue and the latter pink, this can be usually accomplished by incorporating into the soil a few handfuls of soot or iron filings. If this is not obtainable, lump alum broken into small pieces and incorporated into the soil, about ¼ lb. to each plant, will usually produce the same results.

### FRENCH HYDRANGEAS (Popular Varieties)

This class makes much larger flower heads than the old-fashioned Otaksa and comes in various forms, such as fringed flowers, different shades of pink, and also white. They are not as dependably hardy as the Otaksa variety, but if planted in a sheltered place and protected during the winter they do usually carry through.

- Avalanche**. Large head; pure white flowers. A real beauty.
- Beaute Vendomoise**. Immense flower heads with large florets; white tinted pink.
- Botaniste Peltreau**. Fringed flowers of gigantic size, of a brilliant lavender-pink color.
- Bouquet Rose**. Very large flower heads of a uniform shape. The flower is a shade of amber, which later turns a brighter pink.
- Eclairer**. The nearest approach to red in the hydrangea family; a real sterling novelty.
- General de Vibraye**. One of the very best, with enormous flower heads of a bright rose color. It is quite early.
- Harmonie**. Very large trusses, with a fast shade of pink which does not fade readily.



A Specimen Plant like this put on the Lawn or about the Veranda base makes a beautiful show.

- Joconde**. Pure white, with immense flower heads.
- Lakme**. Creamy white, shading to pale pink.
- La France**. Flowers of a delicate rose pink shade.
- La Lorraine**. Gigantic flowers and trusses; pale rose pink.
- La Perle**. A splendid white variety; one of the best in this color.
- Liberte**. An attractive shade of pale pink; enormous flower heads.
- Louis Moulliere**. A pleasing deep rose pink, with fringed florets.
- Madame Rene Jacquet**. Flesh colored; exceptionally good.
- Magenta**. Clear rose pink; large symmetrical flowers.
- Madame A. Rosenkraeuzer**. Pale mauve; large trusses.
- Madame Nicolas Lambert**. Pale rose; very large flowering.
- Madame Foucard**. Rich ruby rose; a splendid color.
- Souv de Mad Chautard**. Of dwarf compact habit, with brilliant rose pink flowers; large truss.

### Prices of French Hydrangeas

		Each	Doz.			Each	Doz.
2½-in. Pots	.....	\$0.25	\$2.50	6-in. Pots	.....	\$1.00	\$10.00
4 "	" "	.60	6.00				

### HYDRANGEA OTAKSA

This is the old-fashioned favorite Japanese variety that usually flowers pink. It produces enormous flower trusses in great numbers. The plant increases in size and flowering ability each year and is the ideal variety for planting extensively at the seashore.

		Each	Doz.			Each	Doz.
2½-in. Pot Plants	.....	\$0.25	\$2.50	8-in. Pot Plants	.....	\$1.75	
4 "	" "	.60	6.00	10 " Tub "	" "	3.50	
6 "	" "	1.00	10.00	12 " " "	" "	5.00	

This list includes the varieties mostly in demand. We can furnish all other sorts.



Colorado Blue Spruce

Evergreens offer a wide and brilliant diversity of color, every shade of green and blue foliage; then there are the rich golden tints, the soft silvery grays and those varieties with the dainty white-tipped leaves.

Evergreens are much desired for specimen lawn trees; they are also extensively used for massing, shelter belts, screens and hedges. The taller varieties form perfect backgrounds for the showy flowering shrubs and trees of early spring, the berries of autumn, the bright bark and twigs of winter, or the light green, golden or silver-blue growth of smaller evergreens.

**FIRS** are quick-growing and very hardy, making an attractive decoration; of pyramidal growth and symmetrical outline.

**Abies concolor** (Silver Fir of Colorado). Of graceful habit; broad, handsome foliage, bluish above, silvery beneath. 2 to 3 ft., \$5.50; 3 to 4 ft., \$10.00; 5 to 6 ft., \$15.00.

**Abies nordmanniana** (Nordmann's Silver Fir). Slow growth; hardy; eventually large, dark green, massive foliage, silvery underneath, broad and compact. Splendid as a specimen tree. 2 to 3 feet, \$7.00; 3 to 4 feet, \$10.00; 5 to 6 feet, \$15.00.

**JUNIPERS.** These possess remarkable vigor and thrive in bleak situations, in poor, stony soils and barren lands, in low and damp places at the seashore, in fact, most anywhere.

**Juniperus japonica** (Japanese Juniper). A dense bushy grower, with light green and glaucous foliage. 1½ to 2 feet, \$3.50; 6 to 7 feet, \$15.00.

**Juniperus hibernica** (Irish Juniper). It is very useful in formal planting, screenings for small yards and cemeteries. 1 to 2 feet, \$1.75; 2 to 3 feet, \$3.50.

**Juniperus virginiana glauca** (Blue Virginia Cedar). Rich, silvery-blue foliage; keeps color well throughout the entire year. 2½ feet high, \$4.00; 3 to 4 feet, \$6.00.

**Juniperus pfitzeriana.** A beautiful new form, with graceful dark green foliage. One of the most attractive of evergreens. 2½ feet high, \$5.50; 3 to 4 feet, \$7.50.

**PICEA (Spruce).** Probably better known and more largely planted than any of the other evergreens; they are hardy, tall and rapid growers; reliable in almost any locality, living for many years. Suitable for planting as specimens, while some varieties are used for hedges and wind breaks.

**Picea canadensis** (Hemlock Spruce). A rapid grower, very hardy and not particular as to soil. If trimmed it becomes dense and bushy, making beautiful hedges. 2 to 3 feet, \$4.00; 3 to 4 feet, \$5.50; 4 to 5 feet, \$7.50.

**Picea excelsa** (Norway Spruce). Rapid grower; does well in most soils. It is highly valued for shelters, windbreaks or hedges. 2 to 2½ feet, \$1.75; 2½ to 3 feet, \$3.00; 4 to 5 feet, \$5.00.

**Picea kosteriana** (Koster's Blue Spruce). A deep rich blue. This is one of the finest ornamental evergreens ever introduced, and a specimen or two on the lawn adds dignity and beauty hard to describe. 1 to 1½ feet, \$3.50; 1½ to 2 feet, \$5.00; 2 to 3 feet, \$8.50; 4 to 5 feet, \$15.00 each.

**Picea pungens** (Colorado Spruce). The foliage is of various tints of green and blue; a popular sort. 1½ to 2 feet, \$2.50 each; 2 to 2½ feet, \$3.50 each; 2½ to 3 feet, \$5.00 each.

#### SPECIAL NOTICE ON GUARANTEE.

We spare no effort to supply trees, plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants, trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

**PINUS (Pines).** These will endure a wide range of climatic conditions, being native in the lowlands or the mountains, and will withstand cold, bleak winds. Useful on lawns and on public grounds. They are in variety so that a suitable sort may be selected for almost any purpose.

**Pinus austriaca** (Austrian Pine). 1½ to 2 feet. \$2.50 each; 3 to 4 feet, \$7.50 each.

**Pinus mughus** (Mugho Pine). Low growing, broad spreading tree. It is more of a large Pine bush than a tree, and is very ornamental. 1 to 2 feet, \$4.00; 2 to 3 feet, \$7.50.

**RETINOSPORA (Japanese Cypress).** The many varieties vary considerably in their general appearance and nature of growth; all of them can be clipped occasionally to keep them within growing boundary. The shades of colors are numerous, so that an assortment of them makes a handsome effect.

**Retinospora obtusa nana.** A slow-growing dwarf variety. It is popular in Japanese gardens, and attracts much attention. 12 to 18 inches, \$4.50; 18 to 24 inches, \$6.00.

**Retinospora plumosa aurea.** The most popular and generally useful of all the golden evergreens. Especially ornamental, and the soft plume-like golden foliage is particularly bright in spring. A vigorous grower and unsurpassed for color effect. 12 to 18 inches, \$1.75; 2 to 3 feet, \$4.00; 3 to 4 feet, \$5.00; 4 to 5 feet, \$7.50.

**TAXUS (Yews).** These are a small growing evergreen, highly ornamental; effective in groups or bed plantings.

**Taxus baccata** (English Yew). A densely branched spreading bush of a dark sombre hue; one of the best evergreens for clipping into artificial forms. 2 to 3 feet, \$5.00; 3 to 4 feet, \$12.00.

**Taxus cuspidata brevifolia.** The branches are spreading and the general aspect is less dense than the common Yew. Perfectly hardy. 1½ feet, \$5.00; 2 feet, \$6.00.

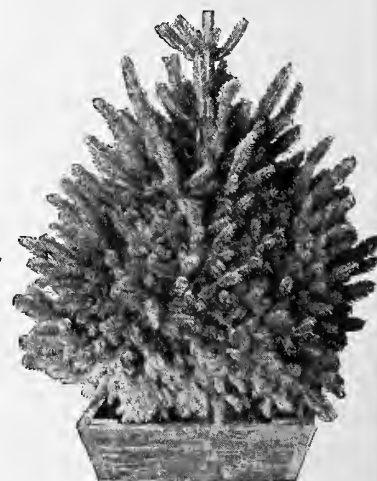
**THUYA (Arborvitae).** These are chiefly of upright habit, not growing overly tall; exceedingly hardy; of a brilliant green all through the bleakest winter; splendid for backgrounds, windbreaks or garden fences.

**Thuya occidentalis** (American Arborvitae). A well-known, popular evergreen for ornamental hedges; rapid growth. 2 to 3 feet, \$1.75; 3 to 4 feet, \$3.50; 5 to 6 feet, \$6.00.

**Thuya occidentalis pyramidalis** (Pyramidal Arborvitae). The most narrow, columnar-like evergreen; medium growth; very distinct light green; compact foliage. Very effective in landscape work. 18 to 24 inches, \$1.75; 2 to 3 feet, \$3.50; 3 to 4 feet, \$6.00.

**Thuya orientalis elegantissima** (Biota orientalis). Medium size; upright pyramidal torch-like form; foliage flaky, tipped with yellow, giving it a bright golden color all summer and autumn, and turning bronze, brown in winter. 2 to 3 feet, \$4.00; 3 to 4 feet, \$6.50; 4 to 5 feet, \$10.00.

**Thuya occidentalis compacta** (Compact Arborvitae). Dwarf dense little evergreens, having light green foliage and neat, attractive habit. For beds, borders, cemeteries, or house decoration it is highly popular. 12 to 18 inches, \$1.75; 2 to 2½ feet, \$4.00.



Picea (Spruce)



# MICHELL'S DECIDUOUS SHADE TREES for Street, Lawn, Garden 135

**Beech (Purple)** *F. sylvatica purpurea*. The foliage in spring is a deep purple, changing later to green. Should be closely pruned when transplanted. 4 to 5 feet, \$3.50; 5 to 6 feet, \$5.50.

**Beech (Purple Rivers)** *F. sylvatica Riversii*. where a large-growing tree with purple foliage is wanted, nothing equals this. The leaves are always a rich shade, sometimes crimson and sometimes almost black. 4 to 5 feet, \$4.00; 6 to 8 feet, \$7.00.

**Beech (Weeping)** (*Fagus sylvatica pendula*). Irregular in outline, and has a picturesque beauty peculiar to itself. Its twisted and contorted branches resemble living fountains of foliage. 4 to 5 feet, \$5.00; 8 to 10 feet, \$14.00.

**Birch (Cut-Leaved Weeping)** *Betula alba laciniata pendula*. Tall, slender, with graceful drooping branches, silver-white bark and delicately cut foliage. 8 to 10 feet, \$4.00; 10 to 12 feet, \$6.00.

**Birch (Young's Weeping)** *B. Youngi pendula*. Droops gracefully to the ground in fine, thread-like shoots. One of the most beautiful of the Weeping Birches. 4 to 5 feet, \$5.00; 5 to 6 feet, \$7.50.

**Dogwood (Red Flowering)** *Cornus florida rubra*. The flowers, which appear early in May before the leaves, are of a deep rosy-pink color, producing a perfect drift of bloom. Foliage large, velvety, dark green in summer and brilliant crimson in fall. 3 to 4 feet, \$2.50.

**Dogwood (White Flowering)** *C. florida alba*. Similar to the red-flowering in habit of growth, though attaining larger proportions. A mass of conspicuous white flowers in spring. 4 to 5 feet, \$1.50.

**Elm (American)** *Ulmus Americana*. One of the finest street shade trees in the world. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.00.

**Horse Chestnut** (*Aesculus hippocastanum*). The flowers are large, white, spotted with purple and produced in large, compact spikes. A fine shade tree. 8 to 10 feet, \$3.50; 10 to 12 feet, \$5.00.

**Larch (European)** *Larix decidua*. A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 4 to 6 feet, \$3.00.

**Linden (American)** *T. Americana* (Basswood). The largest-growing Linden. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. 8 to 10 feet, \$3.50; 10 to 12 feet, \$5.00.

**Linden (European)** *Tilia Europaea*. Leaves smaller and darker than those of the American Linden, forming a dense shade. 8 to 10 feet, \$4.00; 10 to 12 feet, \$5.50.

**Magnolia Conspicua**. In habit of growth similar to *Soulangeana*; large, pure white flowers, which are produced in great abundance. 2 to 3 feet, \$5.00; 3 to 4 feet, \$6.00.

**Magnolia Soulangeana**. A low spreading tree, covered early in the spring before the leaves appear with large flowers, purple at the base and white in the upper half of the petals. 3 to 4 feet, \$4.00; 4 to 5 feet, \$7.00.

**Malus (Bechtel's Double-flowering Crab)**. The tree is of medium growth, and the flowers of immense size, of a beautiful pink color; highly fragrant. Very double. 2 to 3 feet, \$2.00; 3 to 4 feet, \$3.00.

**Maple (Japanese)** *A. palmatum Atropurpureum*. The Japan Maple is unsurpassed for ornamental purposes, the blood-red foliage making it strikingly handsome. Trees are dwarf in habit, seldom attaining a height of more than a few feet. 2 feet, \$3.00; 3 feet, \$5.00.

**Maple (Norway)** *A. Platanoides*. One of the finest park, street or lawn shade trees in America; of rounded form, compact habit, stout, vigorous growth. 8 to 10 feet, \$3.50; 10 to 12 feet, \$4.50; 12 to 14 feet, \$6.00.

**Maple (Sugar)** *A. saccharum*. Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 10 to 12 feet, \$4.00; 12 to 14 feet, \$6.50.

**Maple (Silver)**. *Acer dasycarpum*. Of rapid growth, extensively planted for ornament and shade. 10 to 12 feet, \$3.00; 12 to 14 feet, \$5.00.

**Mountain Ash** (*Sorbus Aucuparia*). A handsome native tree. In autumn and early winter the tree is clothed with large clusters of red berries. 8 to 10 feet, \$5.00.

**Mulberry (Teas' Weeping)** *Morus alba pendula*. Forms a perfect umbrella-shaped head, with slender, willowy branches, drooping to the ground. 2-year heads, \$5.00.

**Oak (Scarlet)** *Quercus coccinea*. A large, well-shaped tree; in the fall the foliage changes to a brilliant scarlet. 7 to 8 feet, \$4.00; 8 to 10 feet, \$5.00.

## SPECIAL NOTICE ON GUARANTEE.

We spare no effort to supply trees, plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee trees, plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.



Norway Maple

**Oak (Pin)** *Q. palustris*. Foliage deep green and finely divided. The leaves become a shade of scarlet and yellow in autumn. It thrives in almost any soil. 8 to 10 feet, \$4.00; 10 to 12 feet, \$6.00; 12 to 14 feet, \$7.50.

**Plane (Oriental)** *Platanus orientalis* (Buttonwood). A favorite tree for avenue and seashore planting; of large spreading habit and rapid growth; not affected by insects. Leaves large, smooth and handsome, affording abundant shade. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.50; 12 to 14 feet, \$6.00.

**Poplar (Carolina)** *Populus Caroliniana*. Good in almost any location. 10 to 12 feet, \$3.00.

**Poplar (Lombardy)** *P. nigro fastigiata* var. *Italica*. Its tall form, sometimes reaching 120 feet, makes it indispensable in landscape effects for breaking monotony of outline. 8 to 10 feet, \$3.00; 10 to 12 feet, \$3.50; 14 to 16 feet, \$6.00.

**Salisburia** (Maiden Hair Tree). One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maiden Hair Fern. 6 to 8 feet, \$3.00; 8 to 10 feet, \$4.00.

**Sweet Gum** (*Liquidambar styraciflua*). A rapid-growing tree, thriving in a great variety of soils. The leaves are roundish, but with five to seven pointed, spreading lobes. In autumn they assume a rich bronze and crimson. 6 to 8 feet, \$3.00; 8 to 10 feet, \$4.00.

**Tulip Tree** (*Liriodendron tulipifera*). A popular native deciduous tree, sometimes attaining a height of seventy-five to one hundred feet. 6 to 8 feet, \$3.00; 10 to 12 feet, \$5.00.

**Umbrella Tree** (*Catalpa Bungei*). For the lawn the *Catalpa Bungei* is very effective. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. On the terraces when used in connection with the California Privet hedge the effect is most pleasing. Price, 5 to 7 feet stems, 1-year heads, \$3.00 each; 6 to 7 feet stems, 2-year heads, \$5.00 each; 6 to 7 feet stems, 4-year heads, \$7.50 each.

**Weeping Willow** (*Salix Babylonica*). This is the well-known Weeping Willow, whose long pendulous branches droop so gracefully, and sway to the lightest breeze. Grows well in wet or dry places. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.00.



Catalpa or Umbrella Tree

# MICHELL'S SELECT FRUITS



Every garden should have some space reserved for small fruits. None bought in the market can compare with those picked fresh by yourself when you want them. Any surplus that cannot be consumed may be put up for winter use.

## SPECIAL NOTICE

In order to save time and shipping space, in the future before shipping we will trim back all vines and bushes of small fruits unless expressly ordered otherwise. The plants invariably should be trimmed back before being planted, so customers will know we have done this; when they receive the plants they are ready to plant out and water.

## BLACKBERRIES (Extra Strong Plants)

Blackberries thrive most anywhere. The plants are subject at times to attacks of rust, particularly during prolonged wet spells in summer. A spraying, especially underneath the foliage, with copper solution, usually arrests this. However, if the disease spreads too much, it is best to dig up the bushes, burn them and plant new ones in another part of the garden. If they are sprayed before being affected it is the best plan.

**Eldorado.** A very vigorous grower, free from mildew or rust; enormously productive; fruit large, excellent quality and without core.

**Mersereau.** Remarkably strong grower. An enormous producer of extra size berries, which are brilliant black, and retain their color under all conditions; very sweet and without core. Unsurpassed as a shipper and keeper.

**Price of Blackberries, \$1.00 per doz.; per 100, \$6.00.**

**Note.**—If Blackberries are desired by Parcel Post allow 15c. per dozen for postage, as we send out only extra strong plants which generally bear some the first season.

## CURRANTS (Extra Strong Plants)

Currants like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

**Red Dutch.** An old and well-known standard variety; clusters average about three inches long; berries medium in size; dark red.

**Price of Currants, strong 2-year-old, 25c. each; per doz., \$2.50; \$15.00 per 100.**

**Note.**—If Currants are desired by Parcel Post, add 20c. per doz. for postage, as we send out extra strong bushes.

## GOOSEBERRIES (Extra Strong Plants)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

**Downing.** Medium to large; whitish green; flesh soft and juicy.  
**Red Jacket.** Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean, healthy foliage.

**Price of Gooseberries, 30c. each; doz., \$3.00; \$17.50 per 100.**

**Note.**—If Gooseberries are wanted by Parcel Post, please add 25c. per doz. for mailing charges.

**PLEASE NOTE.**—Some States forbid the shipment of Gooseberries into their boundary. In ordering it might be well to know if there is such a law in your State.

## SPECIAL NOTICE ON GUARANTEE

We spare no efforts to supply "small fruit" bushes of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or grower. If customers desire us to guarantee these and trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

**NOTE.**—Owing to the peculiar laws of Florida concerning the shipping of nursery stock into that State, we regret **WE ARE UNABLE TO ACCEPT ORDERS FOR NURSERY STOCK OR SMALL FRUITS FOR SHIPMENT WITHIN THE STATE OF FLORIDA.**

## GRAPE VINES

A few of these planted in the garden, after several years will yield abundant crops, and they last for years with little attention except pruning and spraying.

**Caco.** The most delicious of all Grapes—perfectly hardy; has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. The large berry is wine-red. Bunch of good size, compact and of good form. Ripens in ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine a very strong, vigorous grower, healthy and prolific. This is a very fine variety and is easily worth the slight advance in price over the older varieties. 50c. each; doz., \$5.00.

**Campbell's Early.** A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich and delicious.

**Catawba.** Delicious flavor; medium size, red berry.

**Concord.** The well-known standard purple variety; succeeds wherever grapes will grow.

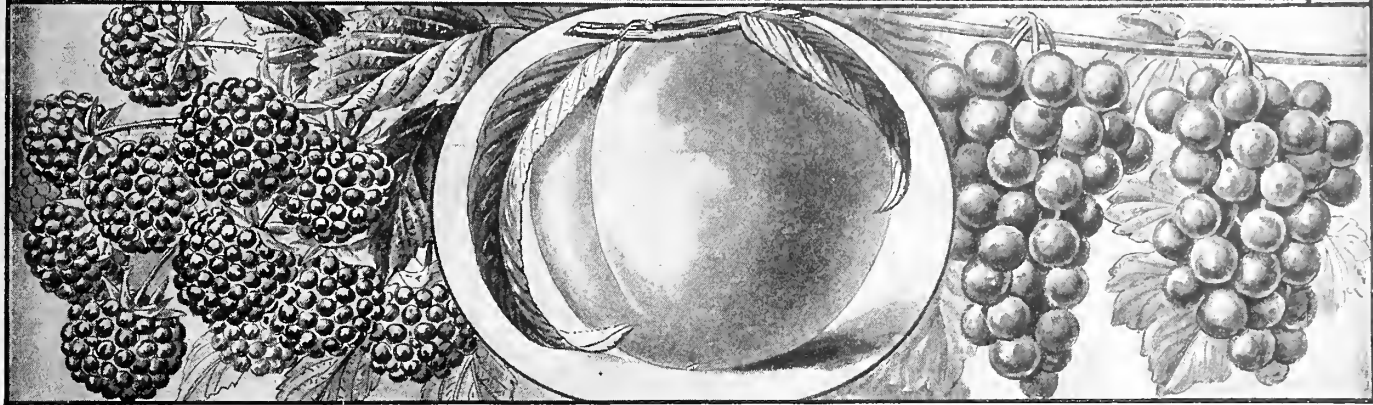
**Moore's Diamond.** A strong healthy grower; hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

**Niagara.** An unusually strong grower; bunches very large and compact; berries large, light greenish-white, semi-transparent; has very little pulp and is sweet to the centre.

**Prices.**—2-year-old vines, 50c. each; doz., \$5.00; \$30.00 per 100. If Grape Vines are wanted by mail, add 5c. each for postage charges.

**Please Note.**—We have reduced the variety of Grape Vines offered, retaining the best in varieties which cover the different colors.

**Shipping Seasons** for small fruits are from March 25th to May 15th and from October till freezing.



## RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We also recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

**Cumberland (Blackcap).** The largest raspberry known. Selected specimens measure an inch in diameter; immensely productive.

**Cuthbert.** Berries very large, measuring 3 inches around; conical; rich crimson; one of the old-time favorites.

**Golden Queen.** Berries are large, of beautiful bright yellow and of excellent quality; medium to late; very sweet.

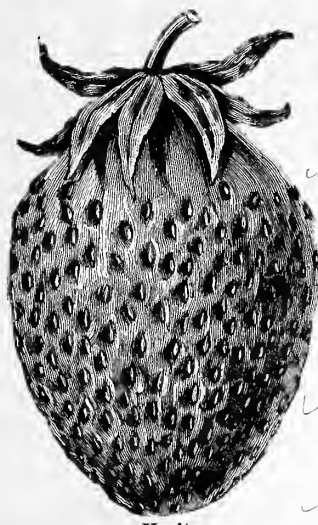
Price of any of the above Raspberry Plants: \$1.00 per doz.; \$6.00 per 100.

**Ranere Everbearing.**—This yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, very sweet and juicy and is borne in great abundance; does not seem to sunscald as easily as other sorts. A photo was made of a stalk which had by actual count 169 berries on one stem. This will give some idea of its free fruiting qualities.

Price, \$1.25 per doz.; per 100, \$6.50.

If Raspberries are wanted by mail, add 15c. per doz. for postage.



Heritage

## STRAWBERRY PLANTS (Extra Strong Layers)

**EARLY VARIETIES**—Early Jersey Giant, Early Ozark, Senator Dunlap.

**MID-SEASON VARIETIES**—Big Joe, Bubach, Heritage, Restawico.

**LATE SEASON VARIETIES**—Brandywine, First Quality, Gandy, Glen Mary, Stevens' Late Champion, Sharpless.

Price of the above, 50c. per doz.; \$2.25 per 100; \$15.00 per 1000.

**FALL FRUITING VARIETIES.** "Peerless" (New). This variety is claimed to be the best fall bearing sort, producing right up to heavy frosts, as the fruit is protected by the large, vigorous foliage.

Progressive. Superb.

Price of the Fall Fruiting Varieties, 60c. per dozen; per 100, \$2.75; \$20.00 per 1000.

If layer Strawberry Plants are wanted by mail, add 5c. per doz. and 15c. per 100 for mailing charges.

## POT GROWN STRAWBERRY PLANTS

Ready usually after May 1.

Any of the above varieties, \$1.00 per doz.; per 100, \$6.00; \$50.00 per 1000.

## CHOICE FRUIT TREES (Extra Strong Stock)

These can be shipped by express only.

### APPLES

- Baldwin.** Large round, deep red, late variety.
  - Ben Davis.** A late keeper; handsome striped fruit.
  - Grime's Golden.** Deep golden yellow; fine for Christmas.
  - Hyslop (Crab).** Deep crimson with blase bloom.
  - Maiden's Blush.** Clear pale yellow, with red cheek; fine.
  - Smokehouse.** Yellow, striped bright red; crisp and juicy.
  - Stayman's Winesap.** Fine variety; good keeper; deep red on a yellow ground.
  - Transcendent (Crab).** Yellow, striped red; good yielder.
- Price of Apple Trees: 6 to 8 feet high, \$1.25 each; 6 for \$6.00; \$11.00 per dozen.

### APRICOTS

- Alexander.** Orange yellow with faint blush; firm, coarse flesh.
  - Catherine.** Early, oblong shaped; rich orange with red cheek.
  - J. L. Budd.** Early; light orange, similar to Catherine.
- Price of Apricot Trees: \$1.00 each; 6 for \$5.00; \$9.00 per doz.

### CHERRIES

- Black Tartarian (Sweet).** Large; purplish black; immense bearer.
  - Early Richmond (Sour).** Dark red; medium size; splendid flavor.
  - Governor Wood (Sweet).** Light yellow, shaded bright red.
  - Large Montmorency (Sour).** Light red; very productive.
  - Windsor (Sweet).** Large liver colored; fine fruit.
- Price of Cherry Trees: 5 to 7 feet, \$1.25 each; 6 for \$6.00; \$11.00 per dozen.

### PEACHES

- Belle of Georgia.** Free-stone; rich creamy white, red cheek.
  - Carman.** Early; pale yellow, red blush; very fine.
  - Crawford's Late.** Greenish yellow with dull red cheek.
  - Elberta.** Medium; very large, yellow with red cheek.
  - Mountain Rose.** Early; white with red cheek; free-stone.
  - Stump the World.** White with red shading; free-stone.
- Price of Peach Trees: 5 to 6 feet, \$1.00 each; 6 for \$5.00; \$9.00 per dozen.

### PEARS

- Bartlett.** Yellow, shaded blush; very sweet and juicy; early.
  - Kieffer.** A fine variety for late autumn, and for canning.
  - Lawrence.** Canary yellow; sweet and a splendid keeper.
  - Seckel.** Small; yellowish brown; very sweet and juicy.
- Price of Pear Trees: 5 to 7 feet, \$1.25 each; 6 for \$6.00; \$11.00 per doz.

### PLUMS

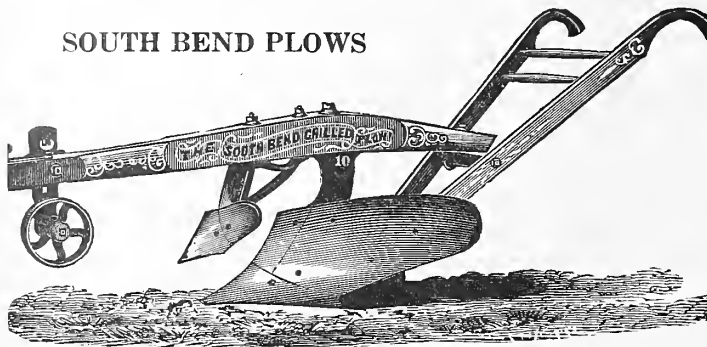
- Abundance.** Amber, turning to a rich, bright cherry color.
  - Burbank.** Orange yellow, overlaid red; rich and sugary.
  - Hale.** Bright orange yellow, mottled cherry red.
- Price of Plum Trees: 5 to 6 feet, \$1.25; 6 for \$6.00; \$11.00 per doz.

### QUINCES

- Champion.** Very prolific bearer; large fruit.
  - Meech.** Large fruit; bright orange yellow; bears young.
  - Orange.** Round; golden yellow; fine for preserving.
- Price of Quince Trees: 4 to 5 feet, \$1.25; 6 for \$6.00; \$11.00 per doz.

**NOTE.**—We can also supply all other varieties of Fruit Trees.

## SOUTH BEND PLOWS



The South Bend Plow is one of the most popular and efficient makes on the market today. For private garden, farm or truckers' work it meets every requirement; made of chilled steel in various sizes to meet all conditions.

- No. 1B. Wood beam plain, one horse .....\$10.00
- No. 2F. Wood beam plain, 1-horse, heavy; or 2-horse, light. 12.50
- No. 3F. Wood beam plain, two-horse ..... 18.00

The No. 2-3 Plows can be equipped with wheel and jointer at the following additional cost: Wheel only for No. 2F, \$1.75; wheel for No. 3, \$2.00; jointer only, \$3.50. Prices named above are for plain plow.

### PRICE LIST OF SOUTH BEND PLOW PARTS

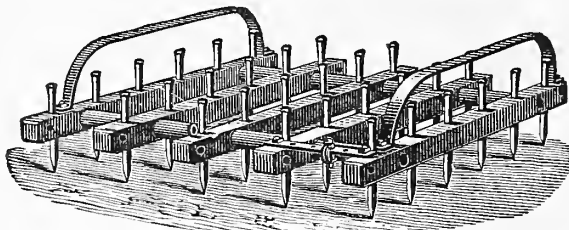
	Shares	Mould-boards	Beams	Complete Handles	Jointer-points	Land-sides
No. 1B	\$0.50	\$2.75	\$2.25	\$2.25		\$0.85
No. 2F	.60	4.00	2.50	2.25	\$0.35	1.35
No. 3F	.75	5.00	3.00	2.25	.35	1.50

## SINGLE AND DOUBLE TREES



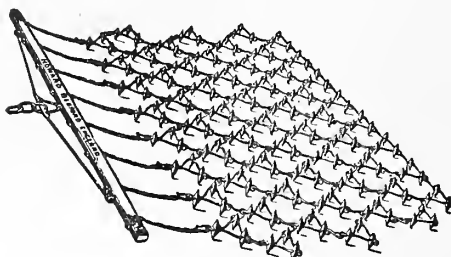
- No. 11 Wood Single Trees, 26 inches, hooks or rings.....\$1.10
- No. 11 Wood Single Trees, 28 inches, hooks or rings..... 1.25
- No. 2 Wood Double Trees, heavy, 36-inch, hooks or rings.... 3.75
- No. 3 Steel Single Trees, 26-inch, hooks or rings..... 1.75
- No. 1 Steel Double Trees, 34-inch, hooks or rings..... 6.00

## GARDENER'S SPIKE TOOTH HARROWS



Though old-fashioned in appearance and construction, this harrow is still preferred by many; fitted with runners, upon which it may be turned to take it from place to place.  
 Price, 24 teeth.....\$11.00 Price, 30 teeth.....\$12.00

## SCOTCH CHAIN HARROW



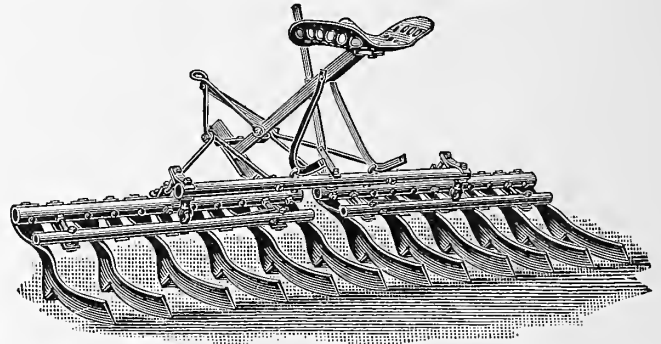
One of the best implements for pulverizing the surface soil, leveling and smoothing, and is also splendid for covering grass seed, etc. Used on driveways and race tracks, it smoothes the surface, eliminating ruts and footprints.

- |  | Weight   | Price   |
|--|----------|---------|
| No. 1F. One-horse size, 5 x 6 feet .....       | 126 lbs. | \$30.00 |
| No. 2F. Medium two-horse, 6 x 7 3/4 feet.....  | 236 "    | 45.00   |
| No. 3F. Full two-horse size, 9 x 11 feet ..... | 357 "    | 55.00   |

## IMPORTANT NOTICE

The attention of our patrons is called to prices. Those listed in this catalog were in effect at the time of printing, but like most everything they are subject to such advance or change as may be necessary by reason of such changes the manufacturers of the goods offered in this catalog may make. We will, however, do our best to avoid any increases.

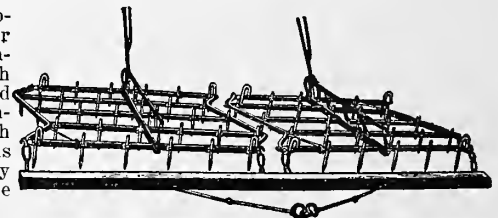
## ACME PULVERIZING HARROW



This will be found by those having a large acreage an indispensable implement for pulverizing and crushing the ground so thoroughly as to give it the appearance of being done by hand.  
 No. 23. Price, 6 ft. covering area, 2-horse.....\$32.00  
 No. G. Price 3 ft. covering area, 1-horse..... 18.00  
 Extra blades or coulters, \$1.25 each.

## STEEL SPIKE TOOTH HARROWS

These are equipped with a lever for lessening or increasing the depth of cultivation and are adjustable instantly. The teeth are equipped so as to readily pass any obstruction in the soil.



Tooth	Sections	Price
25	1	\$13.50
30	1	15.00
50	2	25.00
60	2	27.50

## SPRING TOOTH HARROWS

Splendid for breaking up clods after plowing prior to working the land up into a fine seed bed.

Tooth	Sections	Size	Price
15	2	5 ft. 4 in.	\$30.00
17	2	6 ft.	35.00
8	1	3 1/2 ft.	15.00

## DISC HARROWS (2 HORSE) WITH FORE TRUCK

Discs	Diameter	Cut	Price
8	16 in.	4 ft.	\$60.00
10	16 "	5 "	65.00
12	16 "	6 "	70.00

## THE MEEKER DISC HARROW

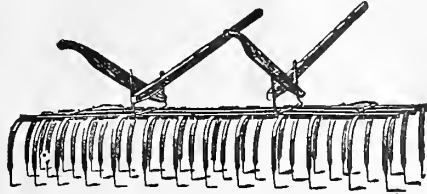


A splendid soil pulverizer, rendering it as fine as though done with a rake.

- | No.    | Dimensions          | Discs                 | Price   |
|--------|---------------------|-----------------------|---------|
| No. 1. | 4 ft. 6 in. x 4 ft. | —46—8 in. discs.....  | \$30.00 |
| No. 2. | 6 ft. 8 in. x 6 ft. | —58—8 in. discs.....  | 34.00   |
| No. 3. | 8 ft. x 6 ft.       | —82—8 in. discs.....  | 44.00   |
| No. 4. | 8 ft. x 6 ft.       | —58—10 in. discs..... | 46.00   |

## THE HALLOCK WEEDER

Surface cultivation stirs the soil, keeps down weeds and prevents evaporation of moisture. This weeder can be adjusted to cover a 7-foot stretch. Any of the teeth can easily be removed, if it is desired not to cultivate very finely. The teeth are narrow, go into the soil easily; does not cultivate deep, like other machines. This tool is excellent for preparing a piece of ground prior to sowing lawn seed, etc. Equipped for one horse. Price, \$18.00.



The Hallock Weeder

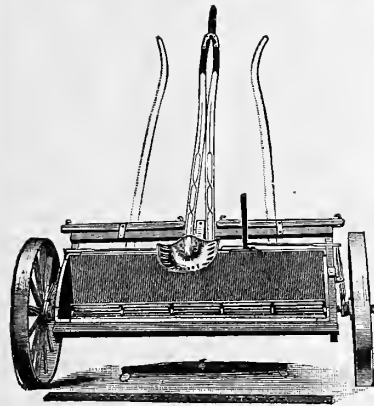


## THE STEVENS FERTILIZER DISTRIBUTOR

For distributing bone meal, wood ashes and other commercial fertilizers on fields, lawns, golf courses, etc., also for sanding putting greens. Insures perfect and even distribution, requiring less time than by the broadcast, hand process.

**Hand Machine.** Holds about 1 1/4 bu., covering area 3 feet wide. Nicely finished. Price, \$15.00 f. o. b. Philadelphia.

**Horse Machine.** For use on large lawns, fields and golf grounds. It has a device for regulating the quantity to be sown. It is equipped with broad tires, which do not readily cut into the ground. Equipped for either one or two horses, as may be desired. 5-ft. 10-in. spreading area. Price \$57.50. 8-ft. 3-in. spreading area. Price \$62.50.



## WHEELBARROW GRASS SEEDER

This machine is now largely used for distributing grass and other seeds over large areas. The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly.

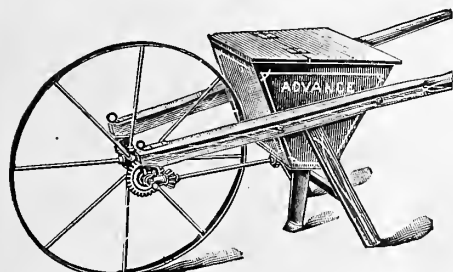
No. 9 (especially for Grass Seed), \$12.00.

No. 5, \$10.00.

These seeders sow an area 14 ft. wide.

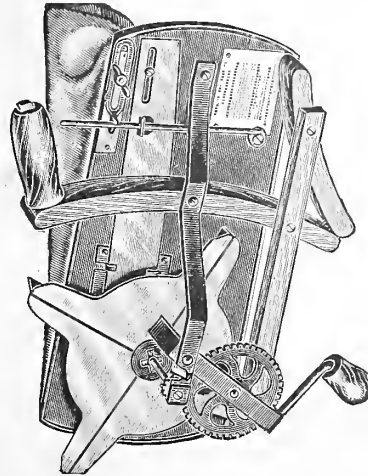


## FIG. 56 "ADVANCE" DRILL



A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement, being one of those little things which go far, however, in making a tool valuable. A first-class machine for drilling of peas, corn and fertilizer. Price, each, \$11.00.

## BROADCAST SEED SOWERS



Rittenhouse Seeder



Cahoon Seeder

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre. Cahoon Make, each...\$5.00 Rittenhouse, each..... 2.25

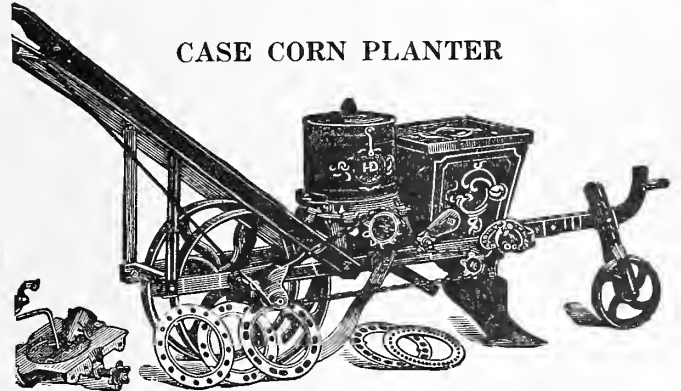
## ROAD SCOOPS

For dragging soil from one place to the other, grading, etc.

- 1L. 7-foot.....
  - 2L. 5-foot.....
  - 3L. 3-foot.....
- Price on application.



## CASE CORN PLANTER



Case Corn Planter

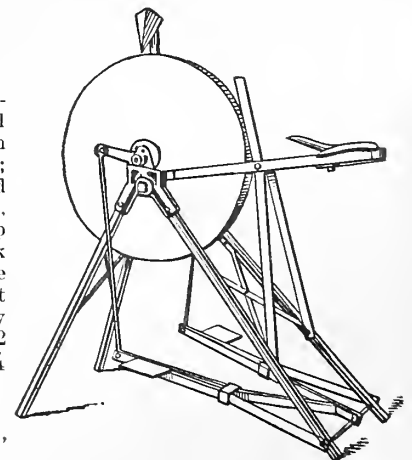
This is operated with one horse, and will plant from 10 to 12 acres per day in either hills or drills, as desired. Equipped with a Fertilizer attachment, which operates very accurately. It will also plant peas, beans, mangels, or other seeds, when equipped with proper regulating rings, which it is equipped with. Price, complete, \$32.50. Without fertilizer attachment, \$28.50.

## STERLING MOUNTED GRINDSTONES

Strong; easy running; substantially made; heavy steel frame, securely braced, with seat and double treadles; cranks and crank shaft, fitted with improved ball bearings, encased so they will keep clean. The balls cannot work loose or drop out, and the bearings are of the very best quality. They are practically frictionless. Stone, 19 to 22 inches diameter, 1 1/4 to 2 1/4 inches thick.

Weight, 100 lbs.

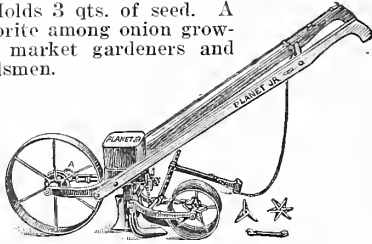
Shipped knocked down, crated. Price, \$12.00.



# PLANET, Jr., SEEDERS AND WHEEL HOES

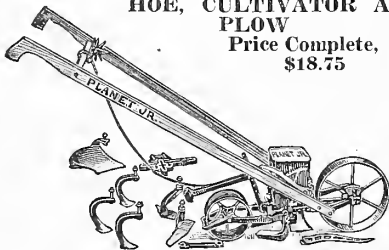
**No. 3 PLANET JR. HILL AND DRILL SEEDER**  
Price, \$17.75

Holds 3 qts. of seed. A favorite among onion growers, market gardeners and seedsmen.



The flow of seed is instantly started or stopped by the cut-off rod. No seed wasted at end of rows. Sows in large or small quantities in drills or in hills.

**No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW**  
Price Complete, \$18.75



Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.

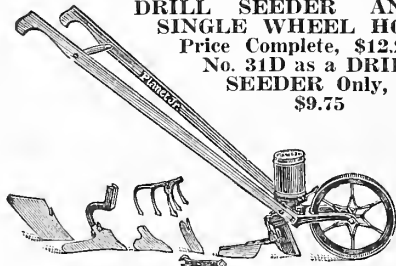
**No. 4D SEEDER.** Price \$14.75  
Same as above less the cultivating attachments.

**No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE AND CULTIVATOR**  
Price Complete, \$22.25



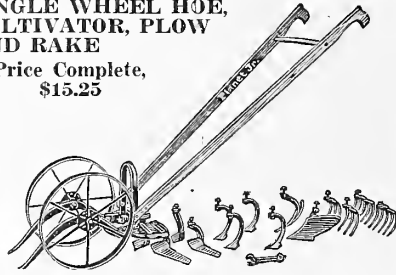
A splendid combination for the family garden, onion grower or large gardener. Is a perfect seeder and combined double and single wheel hoe.

**No. 31 PLANET JR. COMBINED DRILL SEEDER AND SINGLE WHEEL HOE**  
Price Complete, \$12.25.  
**No. 31D as a DRILL SEEDER Only,** \$9.75

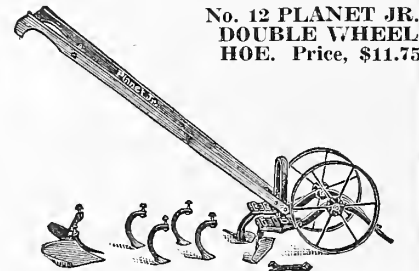


This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

**No. 11 PLANET JR. DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE**  
Price Complete, \$15.25

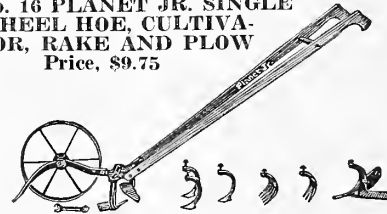


A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Steel frames; 14-inch steel wheels. The greatest hand-cultivating tool in the world.

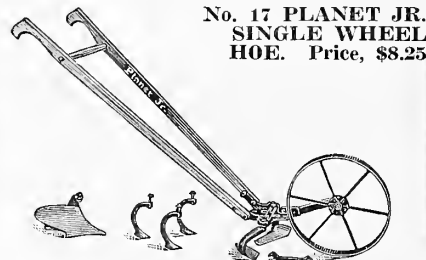


No. 12 is the same as No. 11, but without the rakes and one pair hoes.

**No. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW**  
Price, \$9.75

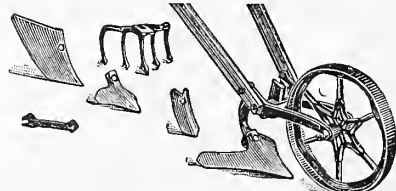


The highest type of single wheel hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest and best way.



No. 17 is the same as No. 16, but without the rakes and leaf lifter.

**No. 33 PLANET JR. SINGLE WHEEL HOE**  
Price, \$6.00



The No. 31 without seeder, \$10.00.

**PLANET JR. CATALOG FREE**  
Describes over 70 tools, including entirely new ones. Horse Hoes, Harrows, Orchard and Beet Cultivators. Seeders and Wheel Hoes. Write today!

**No. 13 DOUBLE WHEEL HOE**  
This is like No. 12, except that it is equipped with 1 pair side hoes only. \$8.50.

**No. 17½ SINGLE WHEEL HOE**  
Price, \$7.10.

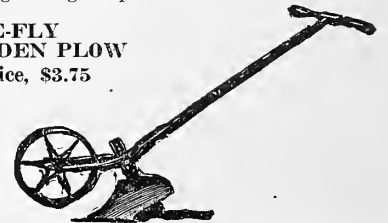
**No. 18 SINGLE WHEEL HOE**  
This is like No. 17, except that it is equipped with 1 pair side hoes only. \$5.75.



**No. 14 PLANET JR. DOUBLE WHEEL HOE**  
Price, \$13.50

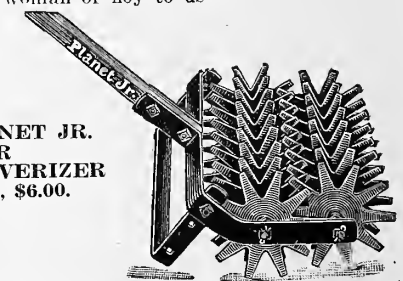
The disc leaves the ground fine and level. The prong teeth do fine, deep work. The plows open furrows, cover and flow to or from growing crops.

**FIRE-FLY GARDEN PLOW**  
Price, \$3.75



Useful to owners of small gardens, and to chicken raisers for plowing up scratching yards. Its light weight makes it easy for man, woman or hoy to use.

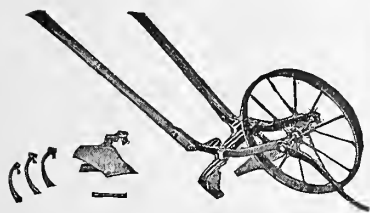
**PLANET JR. STAR PULVERIZER**  
Price, \$6.00.



**No. 119. PLANET JR. GARDEN PLOW AND CULTIVATOR**  
Equipped with a 24-in. diameter wire wheel, 1 cultivator tooth, 1 scuffle, 1 2-tooth rake, 1 hilling plow, 1 opening plow. Price, \$5.50.

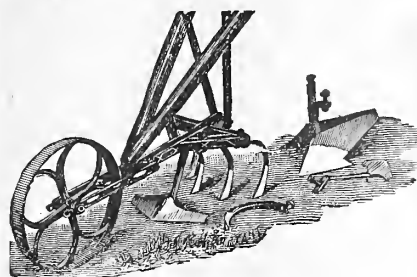
**PARTS OF PLANET JR. WHEEL HOES**

Disc Hoes	.....pair	\$3.50
4½-inch Hoes C. & D1	.....	1.20
6 " Hoes C. & D1	.....	1.30
7 " Hoes C. & D1	.....	1.50
8 " Hoes C. & D1	.....	1.60
Peat Land Hoes	.....	2.00
3-prong Cultivator Teeth	.....	2.00
Cultivator Teeth, Regular, No. 1395, all steel, each	.....	.40
Narrow Cultivator Teeth, No. 2775, all steel, each	.....	.40
Rakes, Three Tooth	.....per pair	1.10
Rakes, Five Tooth	.....per pair	1.50
Plows for Double Wheel Hoes	.....pair	1.50
Plows for Single Wheel Hoes	.....each	1.50
Double Mouldboard Plows	.....	2.00
Marker Attachment for Wheel Hoes	.....	1.60
Handles	.....per pair	1.25



### No. 320 SINGLE WHEEL HOE

This is a new addition to the Iron Age line and regarded as an improvement on the No. 9 machine which has been discarded. Price, as per cut, including rakes, \$10.00.

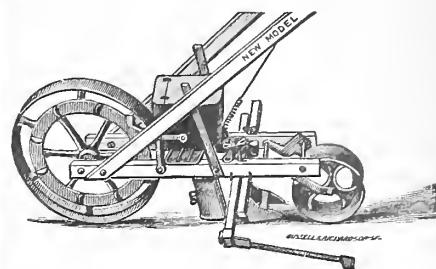


### GEM SINGLE WHEEL HOE

Of garden tools this is the most popular, being low in price and complete in detail; suited for most any work in a garden. It weeds, hoes, hills and harrows. Price, \$8.00.

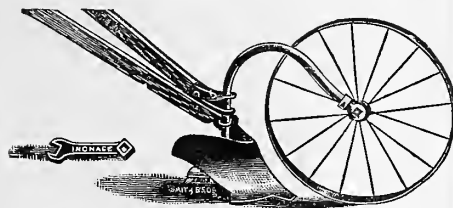
### GEM DOUBLE WHEEL HOE

Similar to the single wheel machine, excepting for the fact that it possesses another wheel and is minus the scufflers. It has instead one pair of side hoes, which can be used to better advantage on such a tool. The wheels may be adjusted to enable plants to be worked on both sides of row. Price, \$9.75.



### MODEL SEED DRILL

The depth of sowing can be regulated to any desired distance. It is well named the market gardener's drill, having a large capacity for seeds, and is a wonderfully efficient machine. Price, \$13.00.



### No. 11 WHEEL PLOW

The work of hilling up crops in the garden by the old method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidly, it also does it much better. Price, \$4.50.

### No. 12 WHEEL HOE AND PLOW

This tool is a most desirable one for the family garden and truck patch. It is equipped with 1 pair side hoes, 1 hillside plow and 4 cultivator teeth, and is one of the most popular of the Iron Age tools. Price, \$5.75.



### No. 301R IRON AGE DOUBLE WHEEL HOE

Double Wheel Hoes will work complete both sides of a row with safety, and the entire soil gets thoroughly loosened without the least possible injury to the plants. The high centre arch enables this type of machine to be used where others would not be so practical. Two rakes not shown accompany this tool. Price, \$12.00.

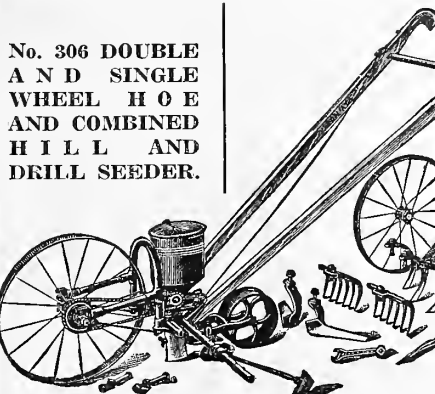
No. 303 WHEEL HOE is the above machine with one pair side hoes only. Price, \$7.75.

### No. 39 IRON AGE HAND PLOW

For making furrows, hilling, etc. Price, each, \$2.75.



Iron Age Hand Plow



### No. 306 DOUBLE AND SINGLE WHEEL HOE AND COMBINED HILL AND DRILL SEEDER.

From a Seed Drill this tool can be converted into a Wheel Hoe, either single or double, it requiring but about three minutes to change to a Double Wheel Hoe, and about two minutes to a Single Wheel Hoe, by an inexperienced operator. Price, as in cut, but without rakes, \$19.00.

### No. 304 COMBINED DOUBLE AND SINGLE WHEEL HOE AND DRILL SEEDER

Similar to the No. 306 Combined Double Wheel Hoe, Hill and Drill Seeder. It only differs in the seed sowing device and opening plow. Both tools as Double and Single Wheel Hoes are identical. The seed sowing device of our No. 304 is only designed to sow seeds in continuous rows. Price, complete, without rakes, \$18.00.

### VICTORY WHEEL PLOW AND CULTIVATOR

Just the thing for the city garden or small vegetable plot. \$4.75.

### No. G5 FAIRY TRUE TEMPER GARDEN CULTIVATOR

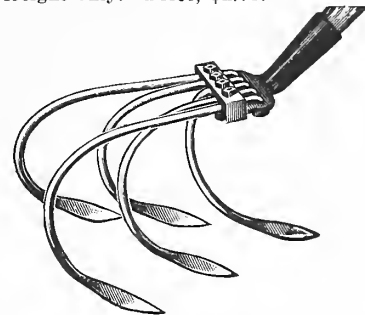
Equipped with a 14-inch oval spoke wire wheel and five cultivator teeth, which may be adjusted in many ways; each tooth is adjustable, being bolted on separately and suitable for cultivating rows from 8 to 10 inches apart. Price, \$3.00.



Pull-Easy Weeder and Cultivator

### THE PULL-EASY WEEDER AND CULTIVATOR

This tool is all that its name implies; the teeth are adjustable to various widths; splendid for going between rows of young, growing crops; made of best material, in a substantial manner. Can be shipped by express or freight only. Price, \$1.75.



Invincible Cultivator

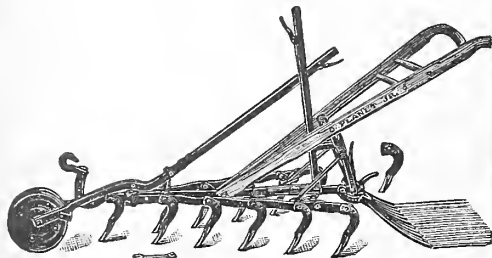
### INVINCIBLE CULTIVATOR

For the kitchen garden and large truck patch; this will be found a useful tool for weeding, loosening the soil, preparing seed beds, etc. Price, with long handle, \$1.25.

### IRON AGE WHEEL HOE PARTS

Fig. 32—Gem Landside Plow.....	\$1.50
Fig. S2—Iron Age Landside Plow.....	1.50
Fig. S4—Weeder for S. W. Hoes.....	1.25
Fig. S1—Weeder for D. W. Hoes... pair	1.50
Side Plovs, 6 in., right or left..... each	.75
Side Hoes, right or left.....	.65
Fig. 563—Rakes, 6-tooth.....	.75
Teeth, Gem.....	.45
Teeth, Iron Age.....	.45

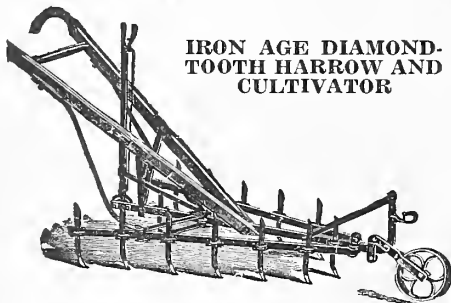
**PLANET JR.  
12-TOOTH HARROW CULTIVATOR  
AND PULVERIZER**



No. 90. Complete with Steel Wheel, \$19.00.  
No. 90B. Without Pulverizer, \$16.00.  
No. 90D. Without Pulverizer or Wheel, \$12.25.

With the Twelve-Tooth Harrow here shown, you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil, mellow and fine it as with a garden rake. You wideu and narrow as you please, between 12 and 32 inches.

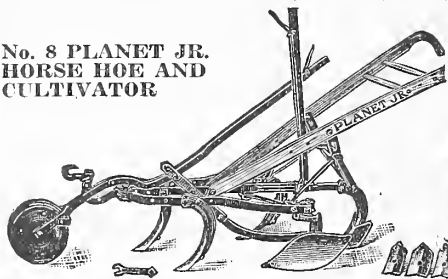
**IRON AGE DIAMOND-TOOTH HARROW AND CULTIVATOR**



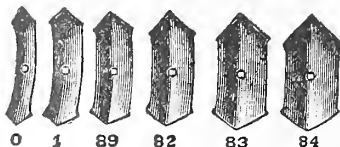
The teeth are diamond shade, with a small cultivator tooth forged on one end—steel, of course. For very close work, every other tooth can be quickly removed. Cultivating width when equipped with lever expander, 34 inches; with plain expander in place of lever expander, 38 inches.

No. 1014EP. Complete, as in cut...\$12.25  
No. 1014E. Without wheel, with lever ..... 11.25  
No. 1014. Without wheel or lever... 9.50

**No. 8 PLANET JR.  
HORSE HOE AND  
CULTIVATOR**

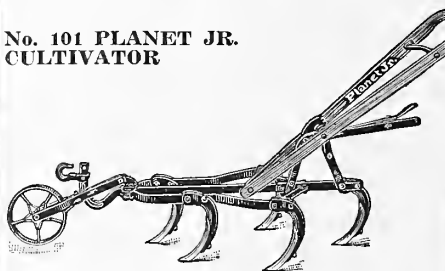


The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by the mere stroke of the arm. The side or covering steel and shovel may be taken off and the arms so turned that when the extra teeth, which accompany the machine, are attached, it presents a perfect five-toothed cultivator. Price, \$19.00.



Iron Age Cultivator Teeth  
(See Prices Opposite)

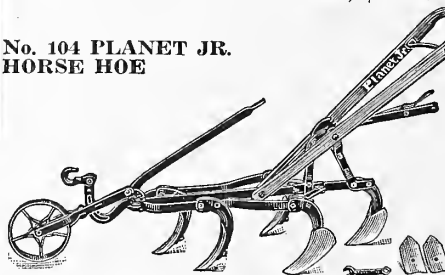
**No. 101 PLANET JR.  
CULTIVATOR**



The latest Planet Jr. Plain Cultivator with improved expander. Light in weight, but very strong. A tool that will give universal satisfaction.

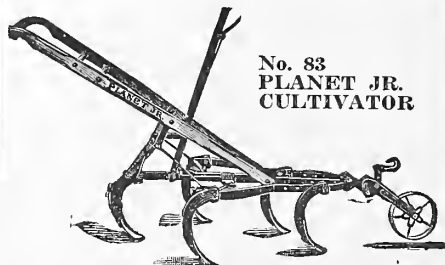
Price, as in cut, \$11.75.  
No. 101D. Price without wheel, \$10.25.

**No. 104 PLANET JR.  
HORSE HOE**



A new light, strong, combined Horse Hoe and Cultivator, with lever wheel and lever expander. It has all the qualities of the older model Planet Jr. Horse Hoes, though lighter and better adapted to many kinds of work where a heavy tool is not necessary. Price, complete, \$13.75.

**No. 83  
PLANET JR.  
CULTIVATOR**



Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the five-tooth machine. A tool that will give entire satisfaction. Price, complete with steel wheel, \$15.75. No. 83D, without wheel, \$13.50.

**PLANET JR. CULTIVATOR TEETH**

Width	Price
1 1/4 inch .....	\$0.22
1 3/4 " .....	.25
2 1/4 " .....	.27
3 " .....	.31
4 " .....	.36

Bolts extra, each, 5c.; 50c. doz.

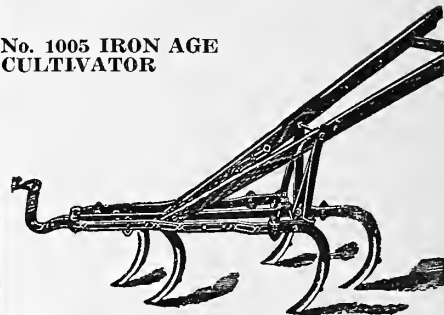
**IRON AGE CULTIVATOR TEETH**

0-1 1/4-in.... \$0.17	82-3 -in.... \$0.26
93-1 1/2 " .... .20	83-3 1/2 " .... .29
1-2 " .... .22	84-4 " .... .30
81-2 1/2 " .... .24	68-4 " .... .30

Bolts for Teeth, 5c. each; per doz., 50c.

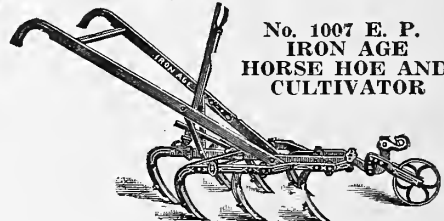
Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

**No. 1005 IRON AGE  
CULTIVATOR**



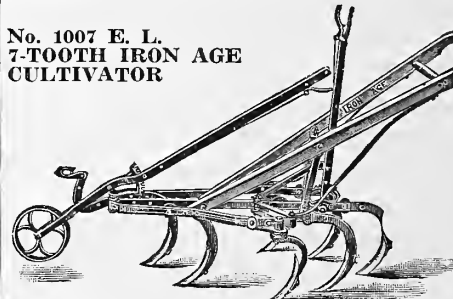
Price, as in cut, \$7.50; with plain wheel, \$8.50; with lever expander, \$9.25; with lever and wheel, \$10.25.

**No. 1007 E. P.  
IRON AGE  
HORSE HOE AND  
CULTIVATOR**



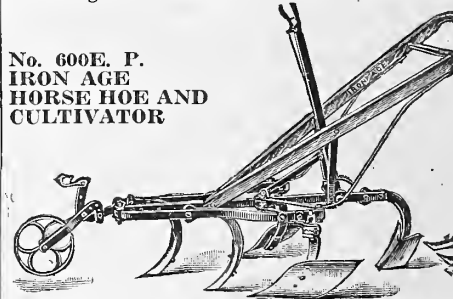
One of the best of the 7-tooth Iron Age equipments. If it is desired to use this machine with less teeth any excess may be easily detached. Price, as in cut, \$12.00.

**No. 1007 E. L.  
7-TOOTH IRON AGE  
CULTIVATOR**



The lever wheel regulates the depth; the expanding lever the width of cultivation. May be used as a five-tooth machine by unbolting two teeth and arms. \$13.00.

**No. 600E. P.  
IRON AGE  
HORSE HOE AND  
CULTIVATOR**



Equipped with side steels or covers, which can easily be detached, and the regular cultivator teeth, which accompany each implement, attached. Price, \$12.75.

**PLANET JR.  
CELERY  
HILLERS**



Double, for hilling one side of 2 rows. Price, double style, \$30.50.





## LINKS-LAWN BOOTS

For Horses

Made of very heavy sole leather, waterproofed and finished black. The sole is reinforced with steel rivets, which make the boots last twice as long as they ordinarily would.

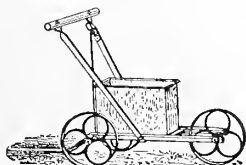
- No. 2. 5½ inches inside.
- No. 4. 6½ inches inside.
- No. 6. 7 inches inside.

Price, per set of four, \$15.00.

Special Size Horse Boots made to order. Place the horse's feet on a blank paper, drawing a pencil around it to show size.

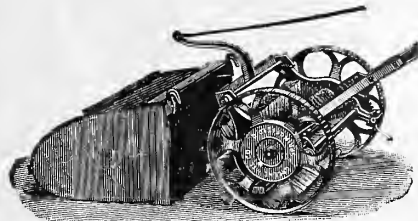
## TENNIS COURT MARKER

**Junior Line-o-graph.** A perfect liquid lime tennis court marker especially designed for private courts, works perfectly on grass or clay. \$30.00 each, F. O. B. factory. F. O. B. Philadelphia, \$32.50.



Junior Line-o-graph Tennis Marker

## APOLLO LAWN CLEANER



Apollo Lawn Cleaner

For sweeping lawns, paths, putting greens, tennis courts, etc. The revolving brush gathers up the smallest particles, leaving the surface swept very clean. The sweeping area is 28 inches; equipped with rubber tired wheels, which makes it almost noiseless in operation. Price, \$20.00.

## Pennsylvania Lawn and Putting Green Cleaner

The name "comb and brush for the lawn" has often been applied to it. The flexible rake bars are of wood, with steel springs and teeth; they rotate just like a lawn mower cylinder and clean up every particle of leaves, mown grass, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity. This can be detached and emptied at will.

24-in. rake, \$20.00.



**Penna. Putting Greens Sweeper, 24-inch, \$20.00.**  
Sweeping Brushes. Can be readily attached to the Rake for sweeping putting greens, paths, etc. \$5.00, per set of three.



Rubbish Basket

## RUBBISH BASKETS

On all large places, on the lawn or in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled from place to place on a barrow. Price, with rope handles, \$3.25 each.

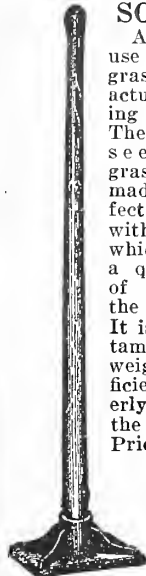
## SOD PERFORATOR

A convenient implement for use in loosening soil where grass is worn out, without actually disturbing the turf. The space to be seeded with grass can be made into a perfect seed bed with this device, which will mean a quick growth of grass after the seed is sown. It is used like a tamper, its own weight being sufficient to properly perforate the ground.

Price, \$3.75.



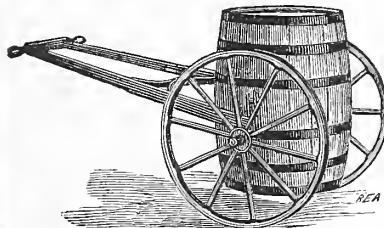
SOD PERFORATOR



Sod Tamper

## SOD TAMPERS

When laying sod it is necessary to properly firm it down, so that it will take new root quickly. It is also convenient for firming the soil or lawn on places where a roller cannot be used; made of iron with wood handle; 12 inches square; weight, 20 lbs. Price, \$3.00 each.



## BARREL TRUCKS, ETC.

The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack attached.

- 1½-inch tire truck, all iron wheels, with barrel.....\$21.50
- 2½-inch tire truck, all iron wheels, with barrel..... 22.50
- 3½-inch tire truck, all iron wheels, with barrel.....23.50
- Extra Barrels, with trunnions, open head..... 8.00

## KEYSTONE LEAF RACKS

This device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$7.50.



## WIRE LEAF RACKS

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck, as shown opposite, instantly. The illustration shows the old style wooden rack, which has now been superseded by the wire and metal frame construction thoroughly galvanized.



- Leaf Rack only, no truck.....\$13.50
- Leaf Rack with 1½-inch tire truck..... 27.00
- Leaf Rack with 2½-inch tire truck..... 28.00
- Leaf Rack with 3½-inch tire truck..... 29.00

## SPECIAL NOTICE

Owing to the unsettled market conditions, all prices in this catalogue are subject to change.

# 144 THE MICHELL HIGH WHEEL BALL-BEARING LAWN MOWER

In answer to the call our trade has for years made upon us for a mower of our own name, we have had designed by the best lawn mower makers in the United States the "Michell" High Wheel Ball-Bearing. Of the best material throughout in every detail, has there been the thought to construct not only a mower that would appeal to the intending purchaser from a standpoint of looks, but to give him more for his money than we might be able to do in other makes. The "Michell Ball-Bearing High Wheel Lawn Mower" is made for us by John Braun & Sons, who are the originators and makers of the "Famous Pennsylvania Quality" machines.

It has a 5-blade cylinder of tool steel blades, each hardened and tempered in oil; it is equipped with internal driving gears on both sides, making it easy to push. The cones and cups in which the balls revolve are hardened tool steel, while the balls themselves are extra large, of the best quality. The drive wheels are 10 inches high, which ensures easy running; the bottom knife is self-sharpening with raised edge, of crucible steel, that will ensure long service. It can be regulated to cut the grass at a height of from 1/2 to 1 1/2 inches, by adjustment, while it mows grass with ease that is 6 inches high.

15-inch cut .....\$16.00 | 17-inch cut .....\$18.00  
19-inch cut ..... 20.00 | 21-inch cut ..... 22.00

## PENNA. JR. BALL-BEARING MOWER

To get the best results from this machine, which does exceptionally fine work, the lawn should be mowed at regular intervals. It cuts the grass shorter than the 4-bladed machine, hence requires mowing at stated periods when the grass is growing rapidly.

8-inch or low wheel, 5-blade cylinder, 5 1/2-inch diameter.  
12-inch .....\$14.00 | 16-inch .....\$17.00  
14-inch ..... 15.00 | 18-inch ..... 18.50  
10-inch or high wheel, 5-blade cylinder, 6-inch diameter.  
15-inch .....\$22.50 | 19-inch .....\$27.00  
17-inch ..... 24.50 | 21-inch ..... 29.75

## PENNSYLVANIA LAWN MOWER

The regulation style for every-day lawns.

Low wheel, 8-in. diameter.	High wheel, 10 1/2-in. diam.
10-inch .....\$10.00	15-inch .....\$21.00
12-inch ..... 12.60	17-inch ..... 23.50
14-inch ..... 14.25	19-inch ..... 26.00
16-inch ..... 16.00	21-inch ..... 28.75
18-inch ..... 17.50	

## PENNA. PUTTING GREENS MOWER

For cutting wavy or undulating greens, which are very popular on some courses. It is gear driven, with a 7-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as 3-16 inch. Equipped with a 6-blade cylinder, 5 1/2 inches in diameter.

12-inch cut .....\$21.50 | 16-inch cut .....\$28.75  
14-inch cut ..... 25.00 | 18-inch cut ..... 31.75

## PENNSYLVANIA GOLF LAWN MOWER

For putting greens and close cutting around golf courses, tennis courts, etc., equipped with high wheels like a regular lawn mower, but with an iron roller of small diameter in three sections in place of the usual wooden roller.

9 1/2-inch, high wheel, 7 blades, ball bearing.  
17-inch.....\$30.50 | 19-inch.....\$34.00 | 21-inch.....\$37.00

## CONTINENTAL LAWN MOWER

On a par for quality and construction with the Pennsylvania mower; geared on two sides instead of one.

High wheel, 9 1/2-in. diameter.  
15-inch .....\$21.00  
17-inch ..... 23.50  
19-inch ..... 26.00  
21-inch ..... 28.75

## GREAT AMERICAN MOWER

A double-gearred mower which gives fine results.  
10 1/2-inch high wheel, 5-blade cylinder, ball-bearing.  
15-in..\$15.00 | 17-in..\$17.00 | 19-in..\$19.00 | 21-in..\$21.00

## NEW DEPARTURE LAWN MOWER (Shock Absorber)

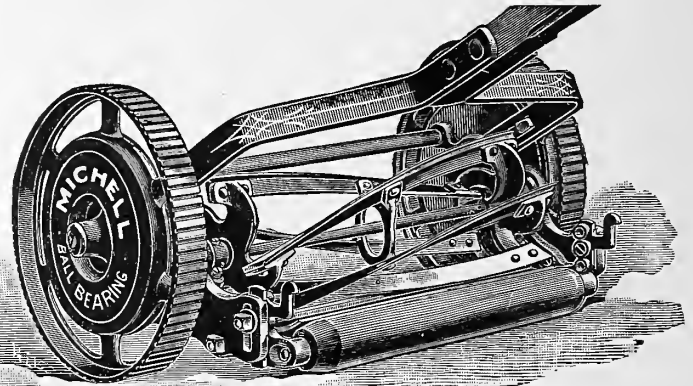
9 1/2-inch wheel, 4-hladed cylinder.  
15-inch ... \$13.00 | 17-inch ... \$14.00 | 19-inch ... \$15.00

## DELTA MOWER

High wheel, ball-bearing.  
12-inch.....\$7.75 | 14-inch.....\$8.25

## ELECTRA LOW WHEEL MOWER

Made for the person who has a small area to mow, and who does not wish to invest much in a hand mower.  
12-inch.....\$7.00 | 14-inch.....\$7.50 | 16-inch.....\$8.00



## STYLE A PHILADELPHIA LAWN MOWER

Diameter of cylinder 6 1/2 in., with four Vanadium Crucible Steel blades. Train of three heavy gears on one side, operating double ratchet. Driving wheels 10 inches.

15-inch .....\$22.50 | 19-inch .....\$27.25  
17-inch ..... 24.75 | 21-inch ..... 30.00

## STYLE K PHILADELPHIA LAWN MOWER

6 1/2 in. draw cylinder, 5 blades, high wheels; made with plain or roller bearings. We recommend plain bearings in this make, they last longer and give less trouble.

14-inch .....\$12.25 | 18-inch .....\$16.25  
16-inch ..... 14.50 | 20-inch ..... 18.00

We can also supply Philadelphia Horse Mowers and Philadelphia Lawn Sweepers.

## COLDWELL BALL-BEARING LAWN MOWER

The Coldwell line of mowers need no introduction for quality, service and reputation. Easy running, ball-bearing, four-blade cylinder, made to last and do fine work.

14-inch .....\$13.00 | 18-inch .....\$16.00  
16-inch ..... 14.25 | 20-inch ..... 17.00

## TOWNSEND'S GOLF WONDER MOWER

For putting greens. 16-inch, \$24.00; 18-inch, \$26.50; 20-inch, \$28.50.

Grass Catchers for Townsend Golf Wonder Mowers, for all sizes, \$5.50.

## LAWN TRIMMERS

**Pennsylvania Style.** This machine will trim against fences and closer to walls or tombstones than any other machine now made. Ball-bearing, undercut style, \$11.50; ball-bearing, straight cut style, \$9.50.

**Coldwell Trimmer.** The revolving cutter is 6 in. wide, and cuts within 1/4 in. of side obstruction. Price, \$8.25.

**Capitol Lawn Trimmer and Edger.** It can be converted into either a trimmer or an edger in a few seconds by simply turning the machine over and making a slight adjustment of a brace rod. Price, \$8.50.

**Coldwell Gem Mower.** Cuts an 8-inch swath. Suitable for a child or lady to use; suitable for very steep terraces. Price, \$7.75.



Pennsylvania Undercut Lawn Trimmer

## LAWN MOWER SHARPENING

This work is done for us by a competent mechanic, and we can insure entire satisfaction.

**Horse Mowers,** 25-in., \$7.00; 30-in., \$8.00; 35 and 38-in., \$10.00; 40-in., \$12.00.

**Hand Mowers,** 10 to 17-in., \$1.75; 18 to 21-in., \$2.00.

**Golf Mowers (6 blades),** 14 to 18-in., \$2.75; 19 to 22-in., \$3.25.

New parts required on repaired mowers supplied at factory prices. Above figures are for sharpening the cylinder and bottom blades only, and do not include needed new parts.

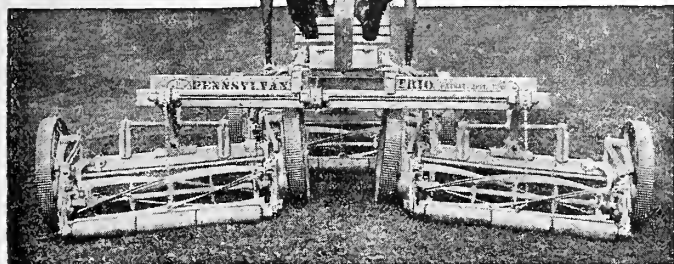
# MICHELL'S RELIABLE LAWN MOWERS, ETC. 145

## PENNSYLVANIA TRIO LAWN MOWER

Cuts a swath of 86 inches. It is a combination of three light draft 30-inch mowers harnessed together. So constructed that it does not raise off the ground when the horse starts. The gears are housed in a dust-proof case which is packed with



grease, causing them to run noiselessly and free. The bottom knife casting or back is fixed and not adjustable, thus insuring rigidity and freedom from the necessity of making adjustments. The cylinder is 7 inches in diameter, equipped with 4 extra wide cru-



cible tool steel knives hardened and tempered in oil. The wheels are 18 inches in diameter, with a 2½-inch head, giving ample traction surface, and are fitted with annular ball bearings, making it an easy machine on the horses. Price, \$350.00.

## TOWNSEND TRIPLEX HORSE LAWN MOWER

This is a combination of three mowers harnessed together, yet one horse is capable of operating the same. They are being used with splendid satisfaction on golf grounds, parks and estates.

Cutting width, 86 inches; 5-blade cylinder. Price, \$310.00, f. o. b. Orange, N. J.

## PENNSYLVANIA HORSE AND PONY MOWER

Pennsylvania Regular Style.

- 25-in. Pony, with wooden rear roller, 4-blade cylinder.....\$50.00
- 25-in. Pony, with wooden rear roller, 6-blade cylinder..... 60.00
- 30-in., with draft irons only..... 97.50
- 30-in., with seat and shafts and side draft attachment.....117.50
- 38-in., with draft iron only.....125.00
- 38-in., with seat and shaft and side draft attachment.....145.00

Pennsylvania Grand Horse Mower.

- 30-inch cut, with draft iron, no seat or shafts.....\$110.00
- 38-inch cut, with draft iron, no seat or shafts..... 140.00
- 30-inch cut, with seat and shafts..... 130.00
- 38-inch cut, with seat and shafts..... 160.00

The above prices are for 4-blade mowers; if 6-blade mowers are desired, add \$15.00 to the price of each machine, except as noted.

## COLDWELL HORSE AND PONY MOWERS

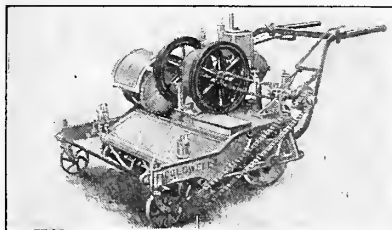
- 25-in. (Pony Style).....\$60.00
- 30-in., with draft irons.. 85.00
- 30-in., seat and shafts... 90.00
- 35-in., with draft irons..\$105.00
- 35-in., seat and shafts... 110.00

Note.—These can be supplied with 4 or 6-blade cylinders at an additional charge of \$15.00 for each machine.

## COLDWELL MOTOR MOWERS

Designed for use on large lawns of estates, parks, grounds, golf courses, etc.

Capable of propelling up grades as steep as 25 per cent. Model J can be equipped with Coldwell's patented demountable cutting units. This device is an extra cutter part, composed of the revolving and stationary knives and the necessary parts to carry them.



Type of Models G and H

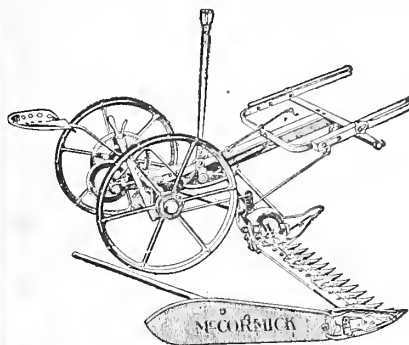
- Model J. 40-inch cutting area.....\$1,500.00
- Model G. 35-inch cutting area..... 450.00
- Model H. 30-inch cutting area..... 400.00

These mowers are sold for net cash f. o. b. Newburgh, N. Y. Any of the Coldwell Motor Mowers can be used as lawn rollers independent of the mowing feature.

## McCORMICK MOWING MACHINES

Gear Drive

These are now largely used for cutting on golf courses and large lawns, thus doing the preliminary work for the regular horse lawn mower. They are also equally well adapted for hay cutting.



- 3½ and 4 ft. cut, vertical bar, 1-horse machine.....
  - 4½ and 5 ft. cut (New 4), 2-horse machine.....
  - 4½ and 5 ft. cut, vertical bar, 2-horse machine.....
- } Price on application

## GRASS CATCHERS

**K. C. Catcher.** There always have been makes of mowers on the market that could not be properly fitted with a grass catcher. The K. C. is designed to fit any size or style mower, and can be attached or detached in a moment. Made of galvanized iron bottom and canvas sides. Price, 12 to 16-inch size, \$2.00 each; 16 to 22-inch size, \$2.25.



**Braun Catchers.** For the Pennsylvania, Continental, Great American B. B. and New Departure Mowers.

- |             |        |             |        |
|-------------|--------|-------------|--------|
| 12-in. .... | \$2.50 | 17-in. .... | \$3.00 |
| 14-in. .... | 2.75   | 18-in. .... | 3.00   |
| 15-in. .... | 3.00   | 19-in. .... | 3.25   |
| 16-in. .... | 3.00   | 21-in. .... | 3.50   |

## PENNA. PUTTING GREEN MOWER CATCHERS

- |             |        |             |        |
|-------------|--------|-------------|--------|
| 12-in. .... | \$6.00 | 16-in. .... | \$6.00 |
| 14-in. .... | 6.00   | 18-in. .... | 6.00   |

## PENNA. GOLF MOWER CATCHERS

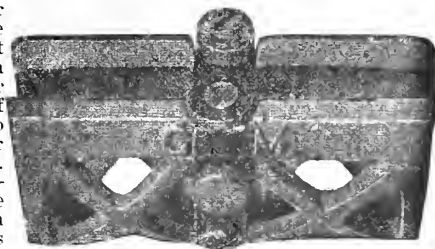
- |             |        |             |        |
|-------------|--------|-------------|--------|
| 14-in. .... | \$6.00 | 18-in. .... | \$6.00 |
| 16-in. .... | 6.00   | 19-in. .... | 6.00   |
| 17-in. .... | 6.00   | 21-in. .... | 6.00   |

- Forward Delivery Grass Box, for 30-inch mower.....\$25.00
- Forward Delivery Grass Box, for 38-inch mower..... 35.00
- Grass Box for Pennsylvania Pony Mower..... 5.00
- Townsend Golf Wonder Catchers, any size. Each..... 5.50

## G. M. LAWN MOWER SHARPENER

Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. The same are sharpened by working the device back and forth until a good edge has been obtained.

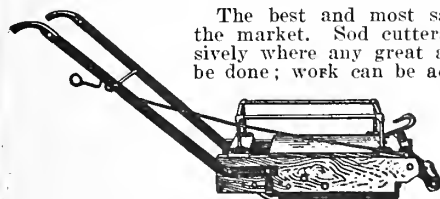
Price, 75c. each, postpaid.



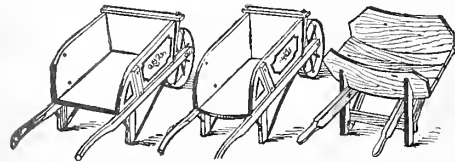
Extra files, 15c. each.

## THE CHAMPION SOD CUTTER

The best and most satisfactory machine on the market. Sod cutters are now used extensively where any great amount of cutting is to be done; work can be accomplished better with this machine; you can cut as much in one hour as two men all day.



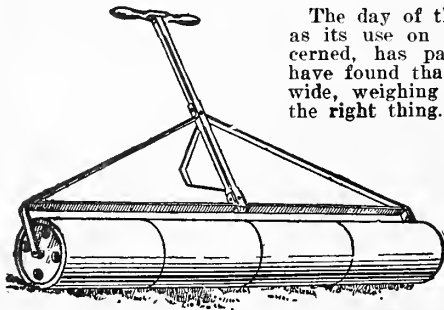
Price, \$40.00.  
Extra Knives for Sod Cutters, \$7.60 each.



**Eastern Greenhouse Canal**  
The "Eastern" Style garden barrow as shown in illustration is substantially built, carefully braced and bolted, just the kind of a barrow you would expect to give long, faithful service.

	No.	Tire In.	Length In.	Depth In.	Width In.	Price.
Eastern	3	1 1/2	28	11	22	\$6.00
Eastern	4	3	26 1/4	11 1/2	27	7.00
Eastern	5	3	28 1/4	11 3/4	27	7.50
Eastern (Boys')	2	2	21 3/4	9 1/4	20	5.50
Canal. Side dump (bolted)						4.50
Special Greenhouse Style with narrow body and handle width.						10.00

**PUTTING GREENS ROLLER**

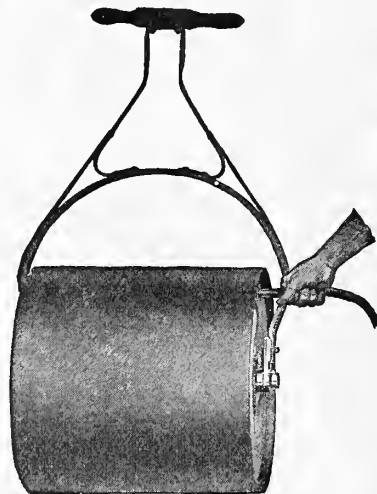


The day of the heavy roller, so far as its use on putting greens is concerned, has passed. Greens-keepers have found that a roller about 4 feet wide, weighing about 150 pounds, is the right thing.

It is evenly surfaced and will not leave a mark or ridge on the greens. Made of wood in sections. \$22.50.

**MICHELL'S WATER-BALLAST ROLLERS**

Fill it with water, which will weight it up to any number of pounds desired, as shown below; can be had in one or two sections, according to style selected. Equipped with feature for balancing handles, which always keeps the handle in position ready for use; ball axle bearings. The two section roller is desirable on account of its not disturbing the turf or ground when being turned, while all edges are beveled.



Water Ballast Roller

No.	Sec-tions.	Diam.	Width.	Weight		Price.
				Empty.	Water.	
603	1	24	24	180	525	\$18.50
604	1	24	32	200	665	20.50
605	2	18	24	175	395	19.50
606	2	24	32	230	630	25.50

We can also supply other sizes of Water-Ballast Rollers.

**BOSS HAND ROLLERS (IRON)**

No.	In.	Wide.	Sec.	Lbs.	Weight.	Price	No.	In.	Wide.	Sec.	Lbs.	Weight.	Price
1	15	15	2	150	\$14.15		7	20	24	2	300	\$27.50	
2	15	22	3	200	18.60		8	20	30	3	350	31.90	
3	20	16	2	225	20.80		9	24	20	2	400	36.45	
4	20	20	2	250	23.05		10	24	24	2	450	40.90	
5	20	20	1	250	23.05		12	24	30	3	500	45.35	
	20	24	3	300	27.50		14	28	24	3	500	45.35	

**BOSS HORSE ROLLERS**

No.	Dia.	Lgth.	Sec.	Lbs.	Weight.	Price	No.	Dia.	Lgth.	Sec.	Lbs.	Weight.	Price
40	24	30	3	650	\$79.75		43	28	30	3	800	\$96.25	
41	24	40	4	800	93.50		44	28	40	4	1000	115.50	
42	24	50	5	950	102.50		45	28	50	5	1200	134.75	

**WHEEL-BARROWS**

The measurements of barrows are understood viz.: Length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.

**BOSS HORSE ROLLERS**

For Land or Field Use.

No.	In.	Lgth.	Sec.	Lbs.	Weight.	Price.	No.	In.	Lgth.	Sec.	Lbs.	Weight.	Price.
63	24	5	5	1450	\$120.00		67	28	6	6	1950	\$155.00	
65	28	4	4	1350	115.00		68	32	4	4	2200	175.00	
66	28	5	5	1650	130.00		69	32	5	5	2600	210.00	

The Prices of Horse Rollers are f. o. b. Norfolk, Va.

**LAWN MOWER OIL**



Pure oil that will not gum or get sticky is an essential for the satisfactory operation of every mower. The oil sold by us has been selected with this point in view.

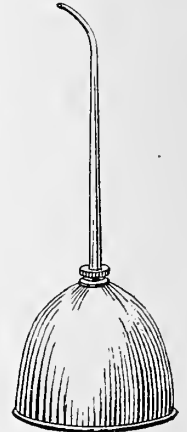
Prices: Per pint. 40c.; 60c. per quart; per 1/2 gal., 75c.; \$1.25 per gal.; 5 gals., \$4.50.

Lawn Mower Oil cannot be mailed.

**GEM OIL CANS**

Finished, Brazed Steel.

No.	Capacity	Spout.	Price.
No. 1706.	8-oz.	6-in. (bent)	\$.60
No. 1706.	8-oz.	6-in. (straight)	.60
No. C14AA.	8-oz.	5-in. (straight), Cop-pered	.75
No. 1606.	1/2-pt.	6-in. (bent), Steel	.60
No. 1606B.	1/2-pt.	6-in. (bent), Brass.	1.00



**EMERY**

For sharpening Lawn Mowers. Price, 25c. per lb.; 10 lbs., \$2.35.



English

Little Giant

**SICKLES OR GRASS HOOKS**

English Rivet Back, No. 2	\$1.25
English Solid Back, No. 2.	1.00
Little Giant	.75
P. P. Wt. on Grass Hooks,	
3 lbs. each.	

**FLAT FILES**

	P. P. Wt. Each
For sharpening lawn mowers.	
8 inch	8 ozs. \$0.25
10 inch	12 ozs. .30
12 inch	1 lb. .50

**SCYTHES**

Little Giant, 32-inch.	2.00
Little Giant, 34-inch.	2.00
Little Giant, 36-inch.	2.00
Little Giant Brush or Briar	2.00
The Little Giant is the best American-made scythe for field and heavy-grass work.	

English, 32-in., rivet back.	\$2.75
English, 34-in., rivet back.	2.75
English, 36-in., rivet back.	3.00
The English Scythes are best for fine grass or lawn work.	

**SCYTHE STONES**

	Each.	Doz.
Talacre Style (American)	\$.25	\$2.75
Darby Creek	.20	2.25
Carborundum. Very fine	.35	4.00

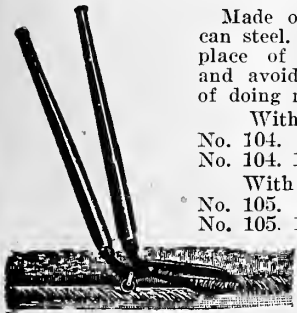


**SCYTHE HANDLES, ETC.**

No. 50. Made of hard wood, well finished.	
Regular Scythe style	\$1.75
Snath Clips	.25

# MICHELL'S LAWN AND GARDEN ACCESSORIES 147

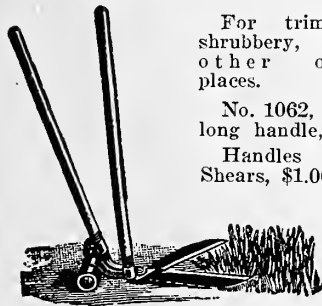
## LAWN BORDER SHEARS



Made of finest American steel. They take the place of edging knives, and avoid the necessity of doing much stooping.

Without wheel.  
 No. 104. 9 in. .... \$3.25  
 No. 104. 10 " ..... 3.50  
 With one wheel.  
 No. 105. 9 in. .... \$4.00  
 No. 105. 10 " ..... 4.50

## LAWN BORDER SHEARS



For trimming under shrubbery, fences and other out-of-the-way places.

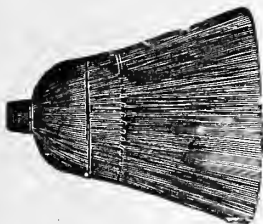
No. 1062, 8½ in. blade, long handle, \$4.00.  
 Handles for Border Shears, \$1.00 per pair.

## GRASS SHEARS



	P.P.Wt.	Each
012.—7 inch, American ...	2 lbs.	\$1.00
3075.—5½ inch, English ...	2 lbs.	1.50
3075.—6½ inch, English ...	2 lbs.	1.75
0267.—6 inch, American ...	2 lbs.	.75

## BROOMS



No.	Material	Each
No. 230.	Japanese Fibre (see cut)....	\$0.85
No. 8.	Corn and Rattan mixed.....	1.00
	Golf Greens (Birch) .....	.35
No. 7.	Plain Corn, extra quality.....	.85

## ROAD BRUSHES

(With Handles)

No. 271.	Rattan Push, 14 in. (See cut) .....	\$1.00
No. 0286.	Bass or Cocoa Push, 14 in.	1.00



Rattan Broom

## BAMBOO POLES

Japanese, 14 ft. long; useful for breaking up worm casts on putting greens, etc. Price, 45c. each; dozen, \$4.00; \$30.00 per 100.



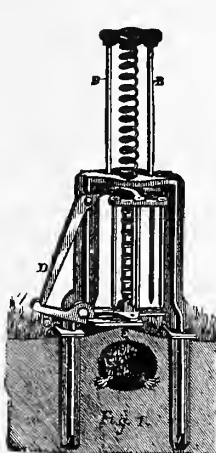
## TURF OR SOD LIFTERS

American—A convenient device for lifting sod; steel blade, with an 18-inch steel shank and wood D handle. Price, \$1.50 each.

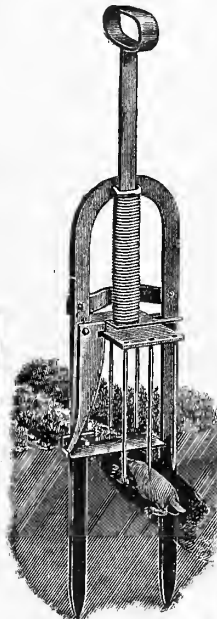


English No. 275. For lifting sod and turf. Best steel; will last a lifetime. \$5.00 each.

## MOLE TRAPS



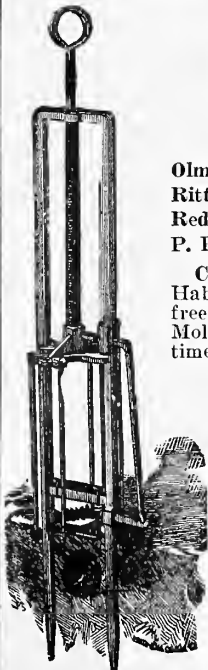
Olmsted Mole Trap



Rittenhouse

Olmsted .....	\$1.75
Rittenhouse .....	1.00
Reddick .....	1.25
P. P. Wt. of the above, 3 lbs.	

Complete Booklet on the Habits of the Mole mailed free, or inclosed with each Mole Trap if asked for at time of ordering.



Reddick Mole Trap

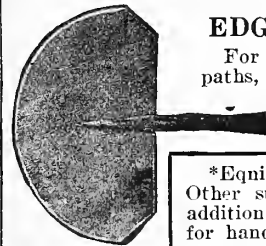
## HOW TO CATCH MOLES

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening, as moles usually stir about very early in the morning.



## LAWN SHOVEL AND EDGER

The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, \$1.25 each.



## EDGING KNIVES

For trimming edges of paths, etc.

\*Equipped with handle. Other styles are sold at additional price of 15c. for handles.

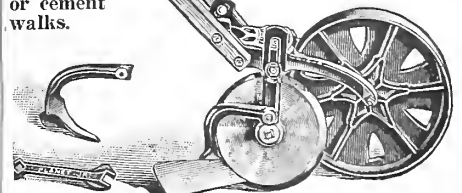
Mehler Edging Tool .....	\$1.25
*No. 040. American .....	1.00
No. 3863. English, 8 inch.....	2.25
No. 3863. English, 9 inch.....	2.50

## PLANET JR. GRASS EDGER

Price, \$8.50

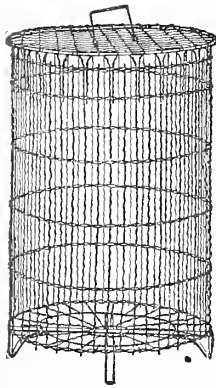
Packed weight, 28 lbs.

For stone or cement walks.



With the Planet Jr. Edger you can cut the turf symmetrically with charming effect, at the speed of a walk. In edging cement or flagstone walks, the Planet Jr. Edger cuts out a small "V" shaped piece of the turf, leaving a uniform finish to the walk, the last word in neatness and beauty. By a simple change the tool may be used either for cement, brick, stone or gravel walks and drives, or for flower beds. It can be set to allow the wheel to run either on the walk or on the grass. Used after rains.

# MICHELL'S LAWN AND GARDEN ACCESSORIES



## RUBBISH CONSUMERS

Made of galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

**Light Wire**  
 Diam. High Price  
 No. 1 20 x 30 in. \$5.00  
 No. 2 17 x 25 in. 4.00  
 No. 3 14 x 21 in. 3.50  
 No. 4 12 x 18 in. 3.25

**Extra Heavy Construction**  
 No. 20 20 x 30 in. \$16

## IDEAL DANDELION EXTRACTOR

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade is of the best steel, equipped with a convenient handle, so that either man, woman or child can use it. 50c. each.



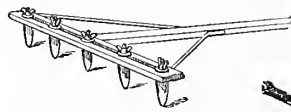
## Weed Pullers

For use on lawns, etc.  
 No. 1. **Cleveland Style.** This device enables the operator to stand almost erect, which does away with the tiresome method of pulling weeds. It extracts them completely, root and top. Price, \$1.10.

No. 4. **Heavy Dock Lifter.** For use in field and on the farm. Capable of extracting the most deep-rooted weeds. Price, \$3.50.



No. 1



## Marking Rakes

These are for marking out garden rows; adjustable brass teeth, which are set for any width row desired up to 4½ ft. Price, \$7.00. Extra teeth, 60c. each.



No. 4

### IMPORTANT NOTICE

The attention of our patrons is called to prices. Those listed in this catalog were in effect at the time of printing, but like most everything they are subject to such advance or change as may be necessary by reason of such changes the manufacturers of the goods offered in this catalog may make. We will, however, do our best to avoid any increases.



## OLE OLSEN LAWN RAKE

This rake head is slightly curved from the centre to each end, which does not allow any material that has been caught by the teeth to slip around the edges.

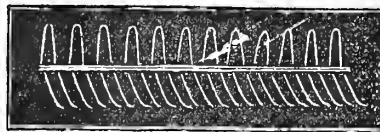
26-tooth, hickory wood. Price, 85c.

## THE GEM DANDELION RAKE No. 2

The sight of dandelions on a lawn is disagreeable and detracting to its beauty. The rake is so constructed that it cuts off the flower heads and buds, preventing further propagation from seed, when the plants themselves will soon die out.

The rake is self-cleaning; it can also be used for leaves or grass.

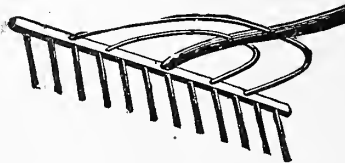
No. 2, 24 inches wide.....\$4.00 each  
 No. 1, 16 inches wide..... 3.00 each



## WIRE LAWN OR GRASS RAKE

Made of heavy tinned steel wire. These are excellent for lawn or walk work. The rake is reversible.

No.	Tooth	No.	Tooth
12½ R	24..\$0.85	36 LR	36 \$1.25
No. 342 42-tooth..... \$1.35			



## WOODEN RAKES

Ames, No. 37X. 24-tooth, steel bows, for lawns .....\$1.25  
 Ames, No. 30X. (See cut above). 14-tooth, hard wood bow rake, for hay and field use ..... 1.00  
 Wire Braced. 20-tooth, Lawn..... .60



## STEEL GRAVEL RAKES

These rakes are used for road-making and for paths. Having very short teeth they do not gather up stones or gravel.

No.	Tooth	No.	Tooth
G 12	12..\$0.95	G 16	16..\$1.15
G 14	14.. 1.05	G 18	18.. 1.25
G 20 20-tooth..... \$1.35			



## STEEL BOW RAKES

Preferred by many to the regular garden rake. The teeth are slightly bent toward the operator.

No.	Tooth	No.	Tooth
B 12	12..\$0.95	B 14	14..\$1.05
B 16 16-tooth..... \$1.15			



## STEEL GARDEN RAKES

Made of best cast steel, with long teeth.

No.	Tooth	No.	Tooth
10	10....\$0.85	16	16....\$1.00
12	12.... .90	18	18.... 1.10
14	14.... .95		

## HOE AND RAKE (COMBINED)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

No. 4P. 4-prong ....\$0.90  
 No. 6P. 6-prong .... 1.00



## HALF MOON HOES

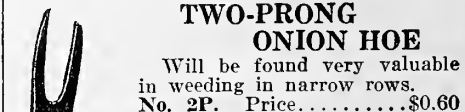
Best steel, solid sockets, which will not pull out.

No. HM3.	3-inch.....	\$0.85
No. HM4.	4-inch.....	.95
No. HM5.	5-inch.....	.95
No. HM6.	6-inch.....	1.00
No. HM7.	7-inch.....	1.00
No. HM8.	8-inch.....	1.05



## SQUARE HOES

No. G06.	6-inch, solid shank.....	\$0.90
No. G07.	7-inch, solid shank.....	.95
No. G08.	8-inch, solid shank.....	1.00
No. 010.	10-inch, for celery.....	1.50
No. K14½.	14-inch, for celery.....	2.00



## TWO-PRONG ONION HOE

Will be found very valuable in weeding in narrow rows.  
 No. 2P. Price.....\$0.60



## WARREN HOES

Excellent tools for making drill preparatory to sowing of seed. The backs can be used for covering.

No. W7 .....\$1.00 - No. W8 .....\$1.10

## MEHLER HANDY SCRAPER

This was originally designed as a dropping-board scraper in poultry and pigeon houses. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. Price, \$1.25.



### Mehler Edger

Designed so as to make it suitable for edging gravel, dirt or cement walks. It is the only edger made that has a perfect arrangement on it for foot pressure, which makes easy edging possible. A device on the rear end of the hoe makes it suitable for running along the edge of the path, after the turf has been cut. Price, \$1.25.



## STEEL SPADES

Ames	.....\$2.25
Maynard	.....2.25
Portage City	.....2.00
Portage City, long handle	.....2.00
Nursery (Ames)	.....3.50
Boys'	.....1.50



## GARDEN SETS

For ladies and children, in fact they are suitable for the country gentleman, consisting of 1 hoe, 1 rake and 1 spade, No. 3PF. Large size, per set, \$1.50.



## SHOVELS

We handle only the very best makes of steel shovels. Every one is guaranteed to give entire satisfaction.

### SHORT HANDLE

Ames, round point	.....\$2.25
Ames, square point	.....2.25
Maynard, solid socket, square point	.....2.25
Maynard, solid socket, round point	.....2.25
Portage City, round point	.....2.00
Portage City, square point	.....2.00



## BATEMAN FIELD HOE

For digging up stubble, small stumps, etc.  
 No. 1. 5½-inch blade, each.....\$2.25  
 No. 2. 6½-inch blade, each.....2.50  
 No. 3. 8 -inch blade, each.....2.75



## TOMATO TRANSPLANTING HOE

No. 41. Avoids kneeling when planting. Made of best steel. Price, \$1.25.



## SCUFFLE HOES

Made of best steel.

4-inch	.....\$1.40	7-in., 8-in., 10-in.,	Price upon applica-
5-inch	.....1.50		tion.
6-inch	.....1.60		

Handles for Scuffle Hoes, 15c. each extra.



## MEHLER GARDENER

An entirely distinct tool. Avoids bending the back. Works closer to the plant than any other device. No hoe is needed where this is used. Just the thing for working among flowers and vegetable plants. \$1.25 each. Not available.



## MEHLER HANDY HOE

This will do what any half-moon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. Price, \$1.25.

Please note. — Mehler Garden Tools cannot be sent by Parcel Post.



**Our Garden Tool Department** we believe to be the most fully equipped of any seed store in the United States.



## SHOVELS

### LONG HANDLE

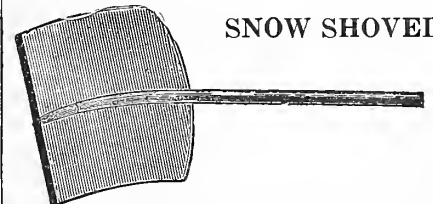
Ames, round point	.....\$2.25
Portage City, round point	.....2.00
Portage City, square point	.....2.00
Maynard	.....2.25



## STEEL SCOOP SHOVELS

All equipped with strapped shanks, wood D or short handles.

No. 2, 10 -inch mouth	.....\$1.50
No. 3, 11 -inch mouth	.....1.75
No. 4, 11½ -inch mouth	.....1.85
No. 5, 12 -inch mouth	.....1.95
No. 6, 13 -inch mouth	.....2.00



## SNOW SHOVELS

Adams, wood (see cut), wood D handles	.....\$1.25
Phillips, wood, long handle	.....1.25
Owosso, galvanized, style like Adams	.....2.00



## REDDICK'S POTATO SCOOP

Made of heavy steel wire.....\$3.00



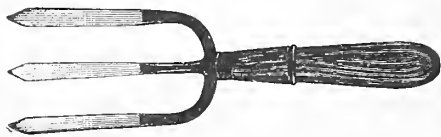
## IMPLEMENT HANDLES

Axe	.....Each \$0.50
Spade, plain	......65
Fork, Spading, plain	......65
Fork, Manure, plain, short	......65
Fork, Manure, plain, long	......50
Fork, Hay, plain	......35
Fork, Boys', plain	......40
Shovel, short, plain	......75
Shovel, long, plain	......50
Spade, short, plain	.....1.00
Hoe, plain	......15
Rake, plain	......15
Pick or Mattock, plain	......50
12-foot Poles	.....2.00
14-foot Poles	.....2.25

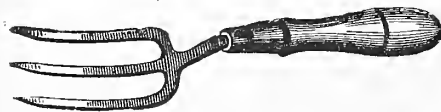


## MANURE DRAGS

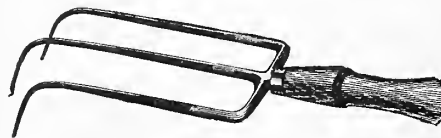
For manure, potatoes, etc. Flat tines.  
 No. 4BHF. 4 tines. \$1.25  
 No. 6BOH. 6 tines. 1.50



**Eureka Weeding Fork, No. G**  
 Made of best flexible steel; splendid for loosening soil in the garden, in hotbeds, etc. 50c. Parcel Post Weight, 2 lbs.



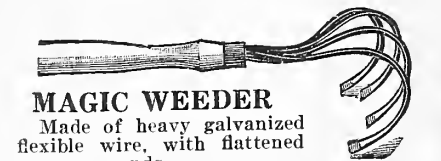
**Excelsior Weeding Fork, No. 300**  
 Made of malleable steel, finished in tin. 20c. Parcel Post Weight, 1 lb.



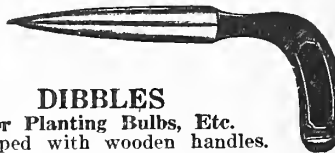
**EUREKA WEEDER No. E**  
 Made of flexible steel; very light, an ideal tool for market gardeners, florists and amateurs. 50c. Parcel Post Weight, 2 lbs.



**EXCELSIOR WEEDER**  
 Made of malleable iron, finished in tin. 20c. Parcel Post Weight, 1 lb.



**MAGIC WEEDER**  
 Made of heavy galvanized flexible wire, with flattened prongs or ends.  
 Short Handle, Small, 25c.  
 Short Handle, Medium, 35c.  
 Long Handle, Large, \$1.25.



**DIBBLES**  
 For Planting Bulbs, Etc. Equipped with wooden handles.  
 A dibble is very useful in planting bulbs, or setting out plants and seedlings. With one of them, a person can transplant more quickly and better than with a trowel, such plants as are not too large. They last a lifetime, provided they are cleaned and rubbed off with an oily cloth before putting away.  
 No. 2180. Brass point, \$1.00.  
 No. 218. Iron point, 60c.  
 Parcel Post Weight, 1 lb.



**SPADING FORKS**  
 Strapped shanks, short or D-wood handle. Made of best quality steel.  
 No. OHW. Men's 4-tine ..... \$2.00  
 No. O5HW. Men's, 5-tine..... 2.25  
 No. B4D. Boys' or Ladies, 4-tine..... 1.00  
 No. EB4. English, heavy tine..... 2.00



**MANURE FORKS**  
 Strapped Shanks.  
 04W—4-tine, light, short handle.... \$1.75  
 163 —4-tine, heavy, short handle... 2.00  
 05W—5-tine, medium, short handle... 2.00  
 06W—6-tine, medium, short handle... 2.00  
 044½—4-tine, long handle ..... 1.25  
 054½—5-tine, long handle..... 1.50



**STEEL HAY FORKS**  
 No. 026—2-tine, 6-foot handle..... \$1.25  
 No. 036—3-tine, 6-foot handle..... 1.50

**English Digging Fork, No. EB4**  
 Though made in America, it is made exactly after the pattern of garden forks such as are made and used in England. The prongs are solid steel, with square instead of rounded edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. \$2.00 each.



**HAZELTINE HAND WEEDER**  
 No. Bw1, 50c. Parcel Post Weight, 1 lb.



**MAKEFIELD WEEDER**  
 A splendid little tool for weeding in the garden seed bed, greenhouse or hotbed; made of fine tool steel, it can be sharpened easily and does not become dull readily; with it you can work closer to seedlings in a row than with any other tool we know of. 60c. each.



**Johnson Steel Trowels, No. 211**  
 These are made of one piece steel blade and shank, equal to the imported trowels.  
 P. P. Wt. P. P. Wt.  
 5 in.....1 lb. \$0.65 | 7 in.....1 lb. \$0.85  
 6 in.....1 lb. .75 | 8 in.....1 lb. .90

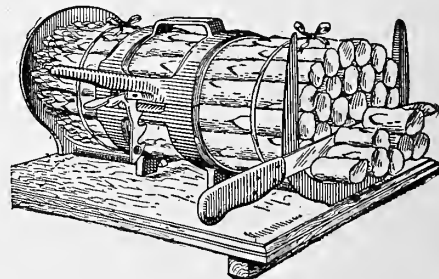


**D. S. T. STEEL SHANK TROWEL**  
 These are somewhat long in blade and handle, making a very practical tool. 6-in. blade. Will last a lifetime. 85c. each.  
 Parcel Post Weight, 1½ lbs.



**Cleves' Angle Trowel, No. 217**  
 For getting dandelion, plantain and other weeds out of the lawn, and transplanting.  
 P. P. Wt. Each.  
 5 inch.....1 lb. \$0.20  
 6 inch.....1 lb. .25  
 7 inch.....1 lb. .30

**MISCELLANEOUS TROWELS**  
 P. P. Wt.  
 No. 213—5 in.....½ lb. \$0.15  
 No. 213—6 in.....½ lb. .20  
 Neverbreak—6 in., heavy steel.1 lb. .20

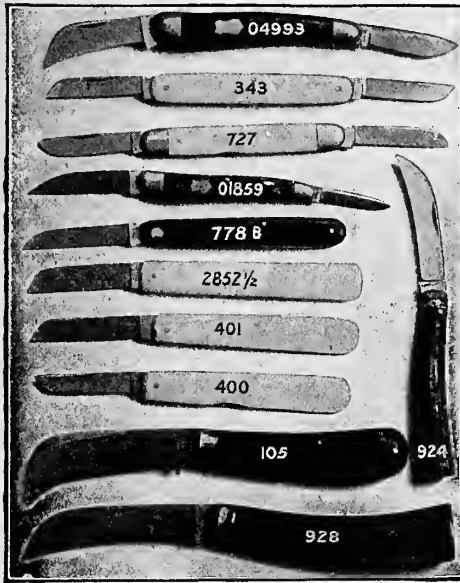


**ASPARAGUS BUNCHERS**  
 Even where one has a limited amount of asparagus to market, it pays to use a buncher. It is tied quickly and looks uniform. Price, with knife guard, \$3.50.



**ASPARAGUS KNIVES**  
 No. 45. Bateman's (see cut).....\$0.50  
 Fig. 399, No. 3 American. V-shaped blade, short handle ..... .60  
 Fig. 399, No. 3 American. V-shaped blade, long handle ..... .75





## HORTICULTURAL KNIVES

A good knife is an essential to every gardener and florist. Our stock consists of such styles that are practical and in demand. They are all of the best steel. Every one is guaranteed to be perfect and give good satisfaction.

No.	Blades	Style Handle	Each
343	2	Saynor, brass lined, ivory	\$3.50
727W	2	Brass lined, white	1.40
04993	2	Steel lined, ebony	1.50
400	1	Saynor, not lined, ivory	3.25
401	1	Saynor, not lined, ivory	3.25
2852 1/2	1	Not lined, bone	1.25
928	1	English, steel lined, stag	3.00
924	1	English, steel lined, stag	2.25
778B	1	Brass lined, ebony	1.00
105	1	Heavy, steel lined, cocoa	1.00
303	2	Saynor Pruning, stag	2.25
187	1	Saynor Pruning, 1 blade	3.00
204B	1	Saynor Budding, 1 blade	4.25



## BRUSH OR BRIAR HOOK

No. 43. Steel cutting blade; long handle. Price .....\$1.25



## STEEL HEDGE KNIVES

For cutting heavy brush, shrubbery, hedges, etc. Made of the finest steel with a slight hook on blade. Each, \$2.50.



## ENGLISH BILL HOOKS

For trimming heavy shrubbery, trees, etc. P. P. Weight, 4 lbs. Short handle .....Price on application



## GRAFTING WAX

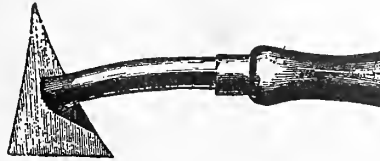
1/4 lb., 20c.; 30c. per 1/2 lb.; 1 lb., 50c.



## GRAFTING TOOL

Made of the best steel. For grafting trees, etc.

All steel. P. P. Wt., 1 lb. ....\$1.00



## TREE SCRAPERS

For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handled, 75c. Parcel Post Weight, 1 lb.

## TREE OR BARK BRUSHES

For brushing down trees; for removing insects, borers, etc. Made of steel.

Price, 8 1/2-inch, 50c.



## STEEL HAMMERS

No. 011 1/2 Pexto. Price, \$1.25 each.



## AXES

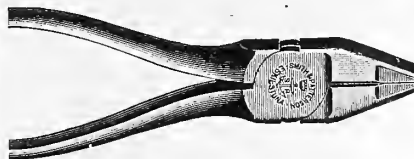
Kelly. Perfect, medium, man's size ....\$3.00  
Kelly. Perfect, hoys' size ..... 2.50



## HATCHETS

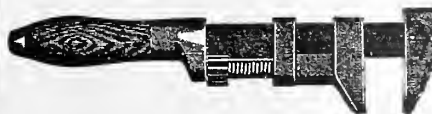
Made of the best quality tool steel, that will keep an edge.

No. 2 Pexto .....\$1.75



## STEEL PLIERS

No.	P. P. Wt.	
133.	Side cutting, 6 in.	1 lb. \$1.00
133.	Side cutting, 7 in.	1 lb. 1.25
195.	Side cutting, button, 8 in.	1 lb. 1.00



## MONKEY WRENCHES

For machinery. Made of first quality hard steel, 8-inch, \$1.75; 10-inch, \$2.00. P. P. Wt., 1 lb. each.



## PEXTO SCREW DRIVERS

Parcel Post Weight, 1 lb. each.

4-in. blade	.....\$0.35
5-in. blade	..... .50
7-in. blade	..... .65
10-in. blade	..... .85



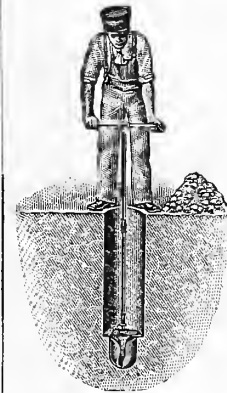
## PICKS (Price includes Handle)

All steel. Double point, \$2.00; axe point, \$2.00.



## MATTOCKS (Price includes Handle)

Axe, pointed (see cut) .....\$2.00  
Pick, pointed ..... 2.00  
Half Mattocks or Grub Hoes ..... 1.75



## POSTHOLE DIGGERS

No. 8. (See Cut.)

This bores a hole 3 1/2 ft. deep and can be adjusted in diameter from 8 to 14 inches. \$5.50.

No. 15. Eureka, \$2.75

Post Hole Spade. All steel with either point or tamper end, \$2.75.



## HUSKING PINS

No. 15. Universal. (See cut.) All metal: adjustable to any size hand. 25c.

No. 16. Combination; leather and metal. 35c.

Parcel Post Weight, 4 ounces each.



## CORN KNIFE

Eureka, bent blade. Weight, 2 lbs. ....\$0.85



## GARDEN REELS

Small, Single ...\$0.85  
Medium, Single... 1.50  
Large, Double .. 3.25  
Large, Single ... 2.50

Single Garden Reel

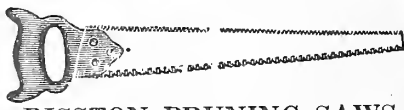
## GARDEN LINE

Best quality cotton braid, woven closely. 100 ft. hanks...\$1.50  
200 ft. hanks... 2.85

Plow Line Cotton, 45-ft. hanks .....\$0.85

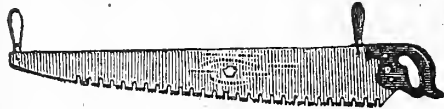
All Prices subject to change without notice.

(oc)



**DISSTON PRUNING SAWS**

	P. P. Wt.	Each
No. 40. 18-inch. Avery double edge.....	2 lbs.	\$1.15
No. 40. 20-inch. Avery double edge.....	2 lbs.	1.25
No. 7. 16-inch. Single edge.....	2 lbs.	1.50
No. 7. 18-inch. Single edge.....	2 lbs.	1.60
No. 7. 20-inch. Single edge.....	2 lbs.	1.70
No. 7. 22-inch. Single edge.....	2 lbs.	1.80



**CROSS CUT LOG SAWS**

Disston Make.

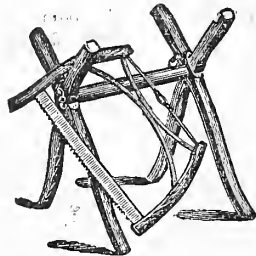
Keystone No. 3. one-man, 3 1/2 ft. blade. \$3.50  
 Gt. American. two-man, 5 ft. blade. .... 6.00



**CARPENTER SAWS**

State if rip or cross-cut is wanted.

Disston No. 8D. 26-inch blade. .... \$3.50  
 Disston No. 8D. 28-inch blade. .... 4.00

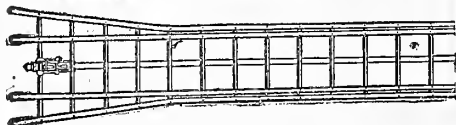


**BUCK SAW**

Each ..... \$1.50

**SAW-HORSE  
or  
WOOD BUCK**

Each ..... \$1.00



**EXTENSION LADDERS**

These are made in the best manner possible; are complete, being equipped with the necessary rope and pulleys.

16 feet.....	\$9.60	26 feet.....	\$15.60
18 feet.....	10.80	28 feet.....	16.80
20 feet.....	12.00	30 feet.....	18.00
22 feet.....	13.20	32 feet.....	20.80
24 feet.....	14.40	34 feet.....	22.10

**SINGLE PLANK LADDERS**

Made of good hard wood, free from faulty knots and with perfect rounds.

10 feet.....	\$3.50	16 feet.....	\$7.20
12 feet.....	4.20	18 feet.....	8.10
14 feet.....	4.90	20 feet.....	9.00



**LEATHER PRUNING GLOVES**

Parcel Post Weight, 1 lb. per pair. Pair.  
 Horsehide, with gauntlets, lined. .... \$2.50  
 Horsehide, with gauntlets, not lined. .... 2.25  
 Buckskin, with gauntlets, not lined. .... 3.00



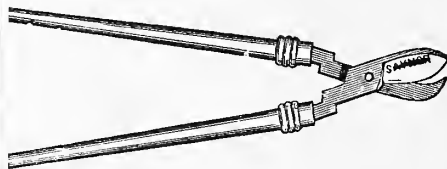
Rhodes' Lopping Shear

**LOPPING SHEARS**

For trimming trees and cutting heavy hedges.

Rhodes Lopping Shears—Makes an absolutely clean, perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating Lopping Shears ever made or sold. 24-inch and 28-inch handles. Price, \$3.50.

Parcel Post Weight, 5 lbs.



English Lopping Shear

No. 109 English Lopping Shears. 4-inch cut; made of the finest English steel; has great cutting power; will sever heavy branches readily. Price, \$5.50.

No. 5400 Clyde Lopping Shears. 2 1/2-inch handles; a splendid medium-priced tool; made of good steel. Weight, 5 lbs.; 1 1/2-inch jaw. Price, \$3.50.

No. 5400 Clyde Lopping Shears. 30-inch handles. Weight, 5 lbs. This shear has a straight jaw so that it will handle a limb up to at least 2 1/2 in. diameter, fitted with an adjusting nut to keep it tight. Price, \$3.75.



Disston's Little Giant Pole Pruner



Disston's Little Giant Pruner and Saw

Disston's Little Giant Pruner.....\$2.25  
 Disston's Little Giant Pruner, with saw attachment (see cut)..... 3.25

Weight, 4 lbs.

The above prices without rope or pole.



**TELEGRAPH TREE PRUNER**

This has a removable blade which can be renewed when worn out for 25c. Price, plain as in cut, \$2.00.

Parcel Post Wt., 2 lbs.

**WATERS TREE PRUNERS**



With removable cutting blade and pole complete.

4 feet.....	\$2.00
6 feet.....	2.25
8 feet.....	2.50
10 feet.....	2.75
12 feet.....	3.00

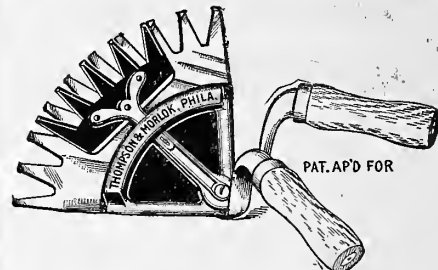
Extra Blades for Waters Pruners, 25c. each.

The above Tree Pruners are equipped with poles.

Waters Pruners are not mailable.

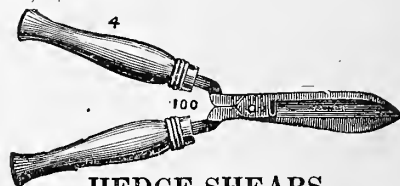
**POLES FOR TREE PRUNERS**

12 feet long.....	\$2.00
14 feet long.....	2.25



**UNIQUE HEDGE TRIMMER**

A practical tool for trimming the summer growth of hedge, and does the work in 1/4 the time required with an ordinary hedge shear. When cutting a hedge with the Unique Trimmer, the sides and any special shaped hedge can be cut as readily as straight-away work. Cuts 11-inch swath. Price, \$6.00.



**HEDGE SHEARS**

	P. P. Wt.	American English Each
107. 6 1/2-inch. Ladies'...	4 lbs.	\$1.50
101. 8-inch.....	4 lbs.	2.35
101. 9-inch.....	5 lbs.	2.65
101. 10-inch.....	5 lbs.	3.00
101. 12-inch.....	6 lbs.	4.00

Bolts and Nuts for hedge shears, 25c. complete.

Handles for Hedge Shears, 75c. per pair. P. P. Weight on Handles, 2 lbs. per pair.

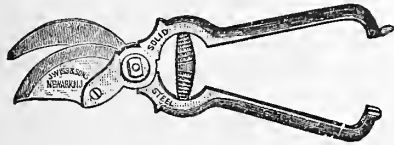
**PARCEL POST SHIPMENTS**

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

## PRUNING SHEARS, ETC.

Our pruning shears are procured from the most reliable makers in America and all are fully guaranteed.



Wiss Pruning Shears

No.	P. P. Wt. Each	Price
109 Wiss, 8 in.	2 lbs.	\$4.00
65 Pexto American, 9 in.	2 lbs.	1.75
R165 Pexto American, 9 in.	2 lbs.	2.25
R170 Pexto American, 9 in.	2 lbs.	2.50



No.	P. P. Wt. Each	Price
14 Nickered, 6 1/2 in.	1 1/2 lbs.	\$1.40
0 American		.60

**Spiral Springs** for any of the above Pruning Shears, 15c. each; per doz., \$1.50. Parcel Post Weight, per doz., 1/2 lb.



## FRENCH PRUNING SHEARS

These have a distinct, very easy working spring and are desirable for one whose hand is liable to fatigue.

No. 1542, 7 inch	\$2.00
No. 1542, 8 1/2 inch	2.50

Parcel Post Weight, 2 lbs.

Springs for French Pruning Shears, 35c.

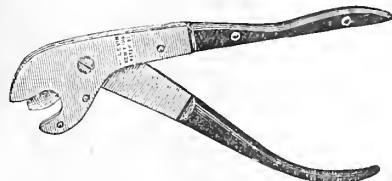
## HAPPY JACK SAILOR WINDMILL

An interesting feature for the children's garden, although they are equally practicable for the grown-ups. They revolve with the least puff of wind, and on account of their looks they serve as a scarecrow for undesirable birds or animals. They can be fastened to any tree, post, house or wash line pole. Please note while this illustration shows a pipe in the month of Happy Jack, the manufacturer is now omitting this feature. P. P. W., 3 lbs. Height, 15 in., \$1.50 each.



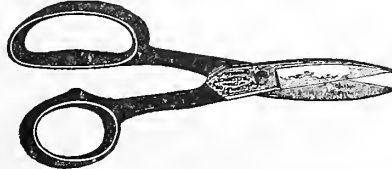
## PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.



## LEVIN PRUNER No. 23

The handle of these shears affords a great deal of leverage, which makes very easy cutting possible. Price, 85c. Weight, 2 lbs.



## WIRE AND TIN SHEARS

No. S33, 7 1/2 inch, used for cut flower wire, etc.	\$1.35
No. S32, 8 inch, used for cut flower wire, etc.	1.45
Parcel Post Weight, 1 lb.	
10 inch for heavy wire and tin	1.75
8 inch for heavy wire and tin	1.60
Parcel Post Weight, 2 lbs.	

## FLOWER SCISSORS

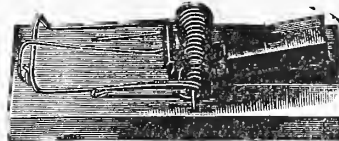
No. 1922. Cuts flower and holds the stem. P. P. Weight, 4 ozs. Price on application.



## GRAPE SCISSORS

No.	Size	P. P. Wt.	Price
No. 6148	6 inch	8 ozs.	
No. 6148	6 1/2 inch	8 ozs.	
No. 6148	7 inch	8 ozs.	
No. 6148	8 inch	8 ozs.	

Price upon application.



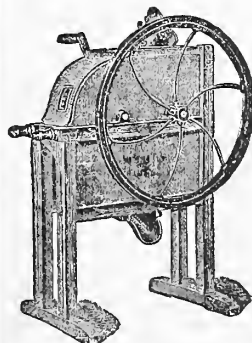
Out-O-Sight Rat Trap

## OUT-O-SIGHT TRAPS

The most satisfactory mouse and rat trap. Set off at the least vibration.

	P. P. Wt. Each	Price
Mouse	8 ozs.	\$0.10
Rat	1 lb.	.25

## PENNA. CORN SHELLER No. 3

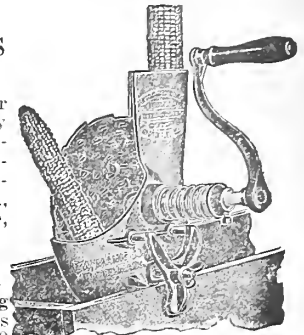


Will be found useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out at another.

Price, \$16.50.

## CORN SHELLERS

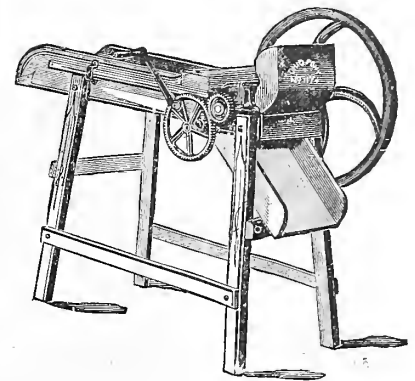
Excellent for small poultry farms, etc. Ball-bearing; suitable for fastening to a bench, box, etc. Price, \$4.00.



Mann's Corn Sheller

## Black Hawk

For shelling small quantities of corn. \$4.00 each.



## OHIO HAY AND FEED CUTTER

This is considered the finest machine for cutting hay, ensilage, etc.

No. 11 1/4. Single knife,	\$32.50.
No. 8 1/2. Double knife,	\$42.50.
Mann's Clover Cutter. Plain,	\$13.50; on stand, \$15.50.

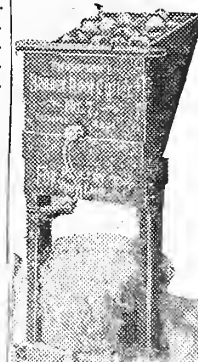
## Banner Root Cutter

No. 7. For poultry, sheep and lambs. \$6.50.

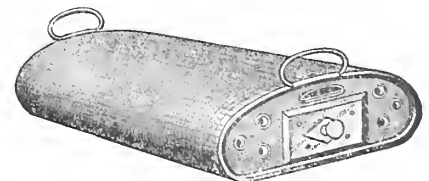
No. 16. Medium size, \$18.50.

No. 35. Large size, \$20.00.

Roots of vegetables cut up fine take the place of grass and greens during the winter months.



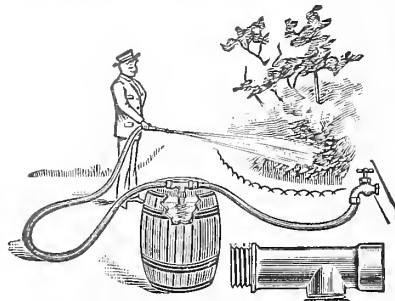
grass and greens during the winter months.



## AUTOMOBILE HEATERS

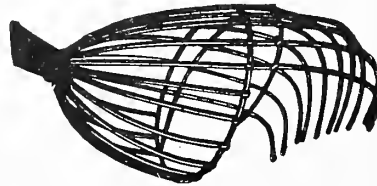
These will keep the temperature above freezing in most any ordinary closed vehicle during the severest weather.

No. 10. 3 Drawer.	\$10.00.
No. 7B. Lehman, covered with green Brussels carpet; 14-in. loag.	\$5.50 each.
Coal for automobile heaters.	\$1.25 per doz. bricks; per 100, \$9.00.
Tongs for handling hot coal.	35c. pair.



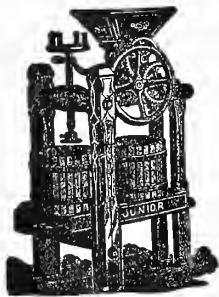
**Liquid Manure Distributor**

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. \$2.50 each.



**BOSS FRUIT PICKER**

Made substantially of galvanized wire. Can easily be attached to a pole of any length. Price, 50c. P. P. Weight, 2 lbs.

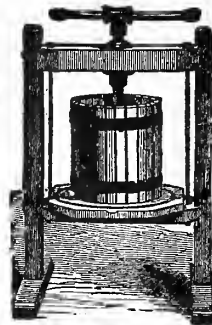


Cider Mill

**WINE PRESSES**

Made of best quality wood, carefully bolted and finished.

- No. 1 .....\$7.00
- No. 2 ..... 8.00
- No. 2½ .....10.00
- No. 3 .....12.00



Wine Press

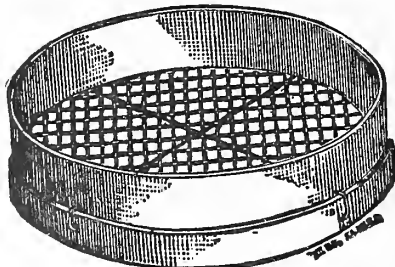
**CIDER MILLS**

- Junior .....\$26.00
- Medium ..... 32.00
- Senior ..... 38.50
- Bantam ..... 20.00

**GRAPE GRINDER**

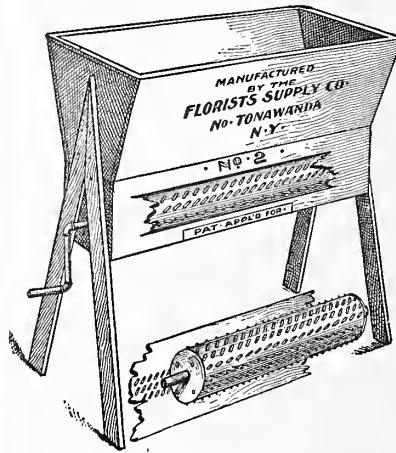
Suitable for crushing berries, grapes and similar soft fruit. Price, \$5.00.

**SIEVES (Any Size Mesh)**



Made extra well.

- 20-inch Steel (Heavy) ..... \$1.50
- 20-inch Galvanized wire.....6 lbs. 1.25
- 18-inch Galvanized wire.....6 lbs. 1.15

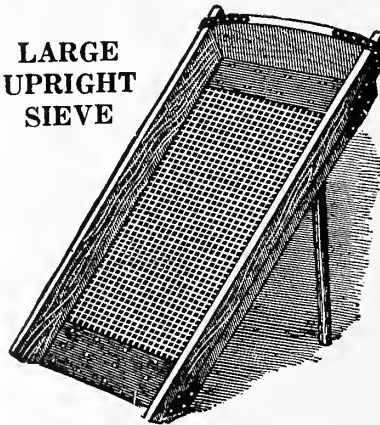


**SOD CRUSHER AND SOIL PULVERIZER**

These machines are equipped with a hopper and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding the necessity to sift.

- No. 1, \$24.00 | No. 2, \$34.00 | No. 3, \$45.00

**LARGE UPRIGHT SIEVE**



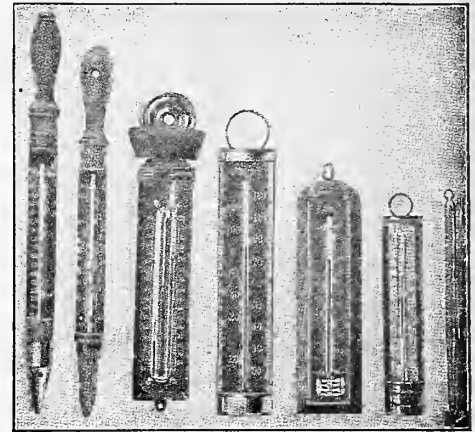
For soil, gravel, sand, etc. Made in any size mesh, of extra heavy grade foundry wire. \$15.00 each.

**HEADQUARTERS FOR POULTRY SUPPLIES**

Many of our customers raise and breed poultry for pleasure and profit. We maintain a splendidly equipped department for the sale of feeds, remedies, incubators, brooders and, in fact, everything that might be required for the industry. Also we maintain a corps of efficient salesmen who know that branch of the business thoroughly. Our catalog on poultry supplies which is free, also is instructive. Get a copy today.



Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.



1 2 3 5154 5100 5420-B 5724

**THERMOMETERS**

**No. 3 MAXIMUM AND MINIMUM**  
Registering the coldest and the warmest point during the previous night. 8-inch, each, \$5.00; 10-inch, each, \$5.50.

- TESTED THERMOMETERS**
- No. 5420B—8 in., Tin Case.....\$0.85
  - No. 5420B—10 in., Tin Case..... 1.00
  - No. 5420B—12 in., Tin Case..... 1.25
  - No. 5400—8-in. Genuine Copper Case.. 1.75
  - No. 5400—10-in. Genuine Copper Case 2.25
  - No. 5100—8 in., Wood Back, Black Scale ..... 2.00
  - No. 5100—10 in., Wood Back, Black Scale ..... 2.25

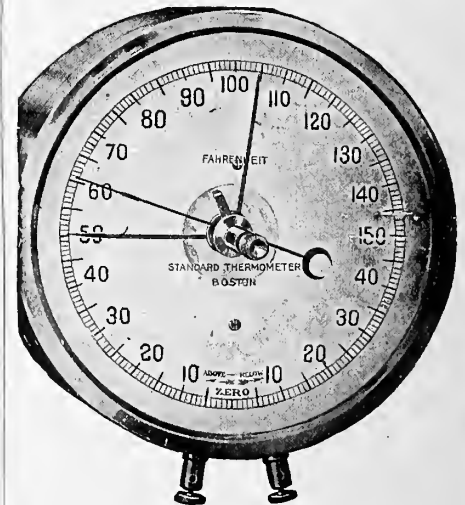
**GLASS DAIRY THERMOMETERS**  
No. 5724. For testing milk, etc., also used for soil purposes. 75c. each.

- MUSHROOM OR HOTBED THERMOMETERS**
- No. 2. Galvanized Iron Point....Each \$2.25
  - No. 1. Brass Point, Paper Scale..Each 2.00

**ELECTRIC THERMOSTAT**

This device can be set to ring an alarm when the temperature goes above or drops below a desired point. All brass. Regular style, \$12.00; Waterproof style, \$17.00. See illustration below.

Please note we do not guarantee the safe arrival of thermometers when sent by parcel post.



Electric Thermostat

## GLAZING POINTS

Peerless. Made of zinc with tinned finish; can be used on right or left hand side of sash bar. Three sizes.

No. 1 for single thick glass.

No. 2 for single thick glass.

No. 2½ for double thick glass.

Price, 75c. per 1000. By mail, 10c. per 1000 extra.



Peerless Point

**Michell's Glazing Points.** Quite like the Peerless style. No. 2 and 2½, 75c. per 1000. (By mail, 85c. per 1000.)

**Siebert Style.** Made with a prominent head; cannot rust; easily driven, 5-8, 6-8 and 7-8 inches long. Zinc, 55c. per lb.; 5 lbs., \$2.60.

1000 to 1200 in a lb. **Zinc Glazing Nails.** 50c. per lb.; 5 lbs., \$2.40.

**Pincers.** For driving Michell's and Peerless Points, 60c. By mail, 65c.



Siebert's Glazing Point



6-Wheel Glass Cutter

## GLASS CUTTERS

- Single Wheel, steel, each.....\$0.20
- 6-Wheel, steel, each......60
- Diamond (Ebony handle).....3.25
- Diamond (Cocoa handle).....4.25



Mastica Machine

Putty Distributor

## PUTTY DISTRIBUTOR

For distributing putty, mastica, etc. Price, \$1.50. Parcel Post Weight, 1 lb.

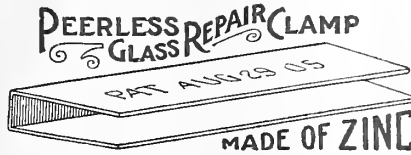
## MASTICA

For glazing greenhouses, new or old. One gallon will cover about 300 running feet. 1 gallon.....P. P. Wt. 15 lbs. \$2.85

## MASTICA MACHINE

For distributing mastica, etc. Made of heavy zinc. Price, \$2.85. P. P. Wt., 2 lbs.

**Permanite Glazing Cement**  
1 gal.....\$2.50 | 5 gal.....\$11.25



TO MEND CRACKED GLASS IMMEDIATELY AND PERMANENTLY

## GLASS CLAMPS

For supporting broken lights of glass. Per box of 100, \$1.75. P. P. Wt., 1¼ lbs.

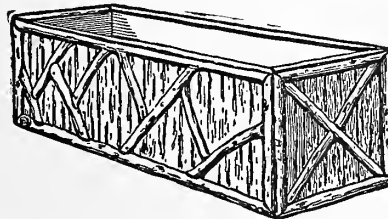
## TWEMLOW'S PUTTY

Superior to putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.

- 16-lb. can (1 gal.) P. P. Wt., 18 lbs. \$3.50
- 50 lbs. (3 gals.).....10.35
- 80 lbs. (5 gals.).....17.00

## Hammond's Greenhouse White

A superior white paint. 1 gal., \$4.50.



## WINDOW BOXES

**Wooden Rustic Bark Style.** Attractively made and neatly finished; for indoor or outdoor use.

Length	Depth outside	Width outside	Price
24-inch	7½-inch	11-inch	\$2.25
30-inch	7½-inch	11-inch	2.75
36-inch	7½-inch	11-inch	3.25

Any length made to order, \$1.25 per running foot 11 inches wide.

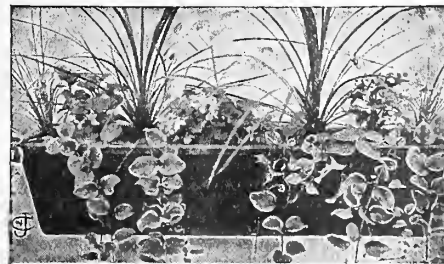
**Plain Wood Style (Painted Green).** We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length	Depth outside	Width outside	Price
24-inch	6½-inch	8-inch	\$1.50
30-inch	6½-inch	8-inch	1.75
36-inch	6½-inch	8-inch	2.00

Any length made to order, 75c. per running foot, 8 inches wide.

## RUSTIC BARK (Cedar)

For covering boxes, columns or any other article. Per sq. ft., 10c.; \$2.25 per 25 sq. ft.; 50 sq. ft., \$4.00; over 50 sq. ft., at 7½c. per sq. ft.



Illinois Porch Box

## Illinois Self-Watering Porch and Window Boxes

Made entirely of metal, handsomely finished and enameled dark green.

Constructed with reservoir in bottom, which automatically waters plants at the roots for 10 to 20 days without attention. Suitable for living-room, conservatory, enclosed and open porches; also windows.

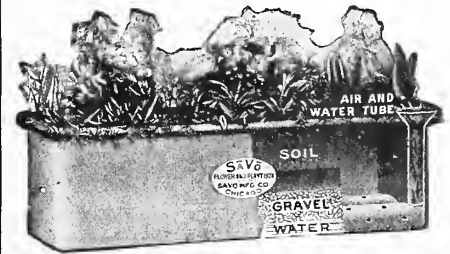
### PORCH BOXES

No.	Height	Width	Length	Water capacity	Price
21	9 in.	12	37 in.	7 qts.	\$4.50
22	9 in.	12	41 in.	8 qts.	4.75
23	9 in.	12	45 in.	9 qts.	5.00

### ILLINOIS WINDOW BOXES

No.	Height	Width	Length	Water capacity	Price
1	8 in.	9½	23 in.	2½ qts.	\$2.50
3	8 in.	9½	27 in.	3½ qts.	3.00
5	8 in.	9½	31 in.	4½ qts.	3.30
7	8 in.	9½	35 in.	5½ qts.	3.70
9	8 in.	9½	39 in.	6½ qts.	4.10

## THE SAVO Self-Watering Window Box

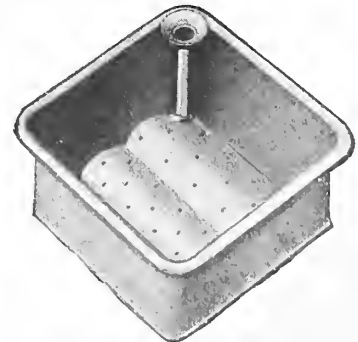


The illustration shows the outside body of the box, the water in the double-arched reservoir, the layer of coarse gravel over the perforated arches and the soil with growing plants.

The Savo Flower and Plant Boxes are made of the best grade of galvanized steel, with neat round corners and a full roll rim, the watering is easy, the drainage ample, the air circulation perfect. The green enamel finish both inside and out prevents rust or leakage. They will last in constant use many years. Reservoir requires water about every 10 days to two weeks.

Model	Height	Width	Length	Price
Model A,	6½ in.	6½ in.	23 in.	\$3.30
Model B,	8 in.	9½ in.	29 in.	3.85
Model C,	8 in.	9½ in.	35 in.	4.40
Model D,	8 in.	9½ in.	41 in.	4.95
Model E,	8 in.	12 in.	12 in.	3.30
Model F,	12 in.	12 in.	12 in.	3.85

These are outside measurements, including the ¾-inch roll rim. Special sizes made to order when required.

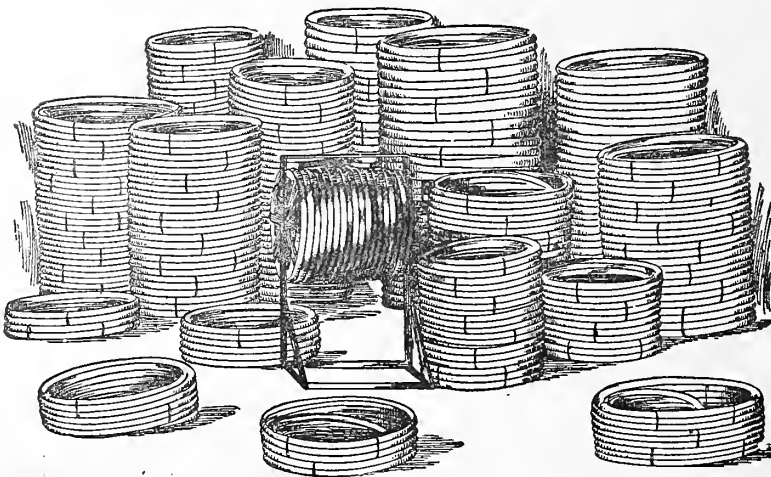


## THE SAVO Self-Watering Plant Tub

- Model E—12x12-in. x 8-in. deep.....\$3.30
- Model F—12x12-in. x 12-in. deep..... 3.85

**HOSE**

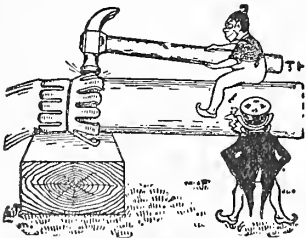
Our stock of this is unusually reliable. Our very large sales enable us to deal direct with the factory, where we obtain lowest prices, which we in turn give our customers the benefit of. Sections of hose in lengths of 25 feet and upward coupled free, smaller sections, couplings, attached, 35c. per pair.



**Cooper Hose Mender  
HOSE MENDERS**  
P. P. Weight

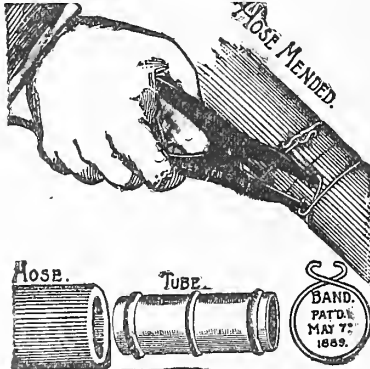
	Doz.	Each.	Doz.
Cooper's 3/4-inch.....	1 1/4 lbs.	\$0.10	\$1.00
Cooper's 5/8-inch.....	1 lb.	.10	1.00
Cooper's 1/2-inch.....	1 lb.	.10	1.00
Iron, 3/4-inch.....	2 1/4 lbs.	.10	1.00
Hudson's, 3/4-inch (brass)	1/2 lb.	.08	.85
Hudson's 1/2-inch (brass)	6 ozs.	.07	.75
Republic, 3/4-inch (srew sleeve)		.10	1.00

**THE PERFECT HOSE MENDER**



Made entirely of brass, with swivel motion — no band required. For 3/4-inch hose, each; doz., \$1.25.

Parcel Post Weight, per doz., 1 3/4 lbs.



**HOSE MENDING OUTFIT**

(For 3/4-inch Hose)

Furnishes a complete outfit, consisting of 6 menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands. Price, 85c. each. Parcel Post Wt., 1 lb.

**RUBBER HOSE**

Special attention is called to "Empire Red" Hose, a new brand which, having been thoroughly tried out, has made good.

	Wt. per Ft.	Ft.
*Michell's Special, 1/2 in....	4 ozs.	\$0.17
*Michell's Special, 3/4 in....	5 ozs.	.18 1/2
*Electric 3/4 in. ....	5 ozs.	.23
*Electric, 1/2 in. ....	4 ozs.	.21
*Revero, 3/4 in. ....	5 ozs.	.22
*Revero, 1/2 in. ....	4 ozs.	.19
*Empire Red (Corrugated) 3/4 in.		.22
Bull Dog, 5/8 in., 7-ply.....	5 ozs.	.17 1/2
Spray Pump Hose, 3/8 in....	3 ozs.	.15

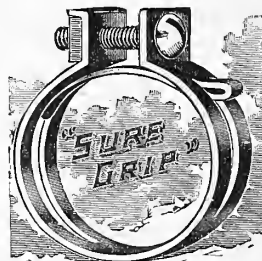
P. S.—Brands marked \* come in reels of 500 feet and sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 35c. per pair for couplings attached.

Hose Washers. For inside and outside of coupling. 10c. per doz.; 1/4 lb., 35c.



Caldwell Band as applied to Hose



**HOSE BANDS**

For fastening couplings and menders.

No.	Doz.	100
S. For 3-ply hose .....	\$0.40	\$2.75
6. For 4-ply hose .....	.40	2.75
Parcel Post Wt., doz., 1/4 lb.; 100, 2 1/4 lbs.		

**HUDSON'S**

See illustration in Hudson Hose Mender Outfit cut opposite.

	Doz.	100
3/4-inch .....	\$0.18	\$1.25
1/2-inch .....	.18	1.25
Parcel Post Wt., doz., 1/4 lb.; 100, 2 1/4 lbs.		

**SURE GRIP**

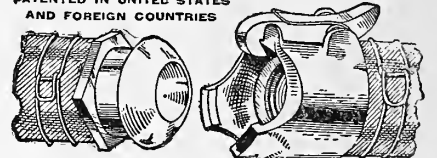
3/4-inch, 6c. each; per doz., 50c. Parcel Post Wt., doz., 1 lb.; 100, 9 1/2 lbs.



**HOSE COUPLINGS**

	P. P. Weight	Doz.	Pair.	Doz.
Regular, 1/2 inch (See Cut)				
	3 1/4 lbs.	\$0.30		\$3.00
Regular, 3/4-inch .....	4 lbs.	.30		3.00
Perfect Hose Coupling, 3/4-inch, 30c. each; doz., \$3.25.				

PATENTED IN UNITED STATES AND FOREIGN COUNTRIES



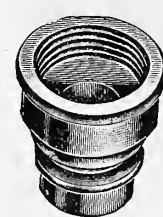
No. 2 Snap Coupling No. 1 Snap Coupling

**SNAP HOSE COUPLING**

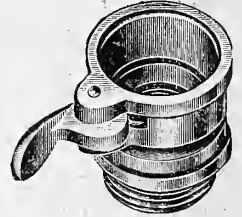
Snap Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 35c. pair; doz. pairs, \$3.60. (Washers, 20c. doz.) Parcel Post Weight, per doz., 2 1/2 lbs.

**SNAP COUPLING PARTS**

No. 2. Male. 13c. each; per doz., \$1.35. Parcel Post Weight, per doz., 1 1/4 lbs.  
No. 1. Female. 22c. each; per doz., \$2.25. Parcel Post Weight, per doz., 1 1/4 lbs.



No. 3



No. 4

**ACME HOSE COUPLINGS**

For quickly connecting and detaching hose. No. 3 part, for attaching to spigot, 30c. each; doz., \$3.00.

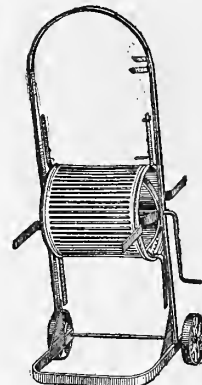
Weight, per doz., 3 lbs.  
No. 4 part, for attaching to hose, 50c. each; doz., \$5.00. Weight, doz., 3 lbs.  
Couplings complete, consisting of one No. 3 and one No. 4 part, 80c. each; per doz., \$8.00. Weight, per doz., 6 lbs.

**HOSE REELS**

Reels are not mailable. WIRT'S (All Iron)

No.	10....	100 ft....	\$5.00
	20....	150 ft....	5.50
	30....	400 ft....	8.00

Victor holds 100 ft. 3/4-in. hose. See cut. \$3.00.



Victor Reel



**Nozzle Holders**

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 25c. each.

P. P. Wt., 8 ozs.

**Note.**—If goods are desired by Parcel Post allow for postage on weights stated.



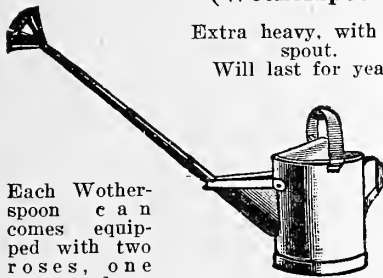
**THE BINKS NOZZLE**

Made of aluminum, with brass face; equipped with interchangeable sprays, coarse and fine. It makes watering possible without wetting the hands. Positively the best and most indestructible nozzle made. \$3.00 each; worth twice the price. Parcel Post Weight, 1 1/4 lbs.

Please Note.—Nozzle as now made has a shorter hand grip than illustration shows.

**WATER CANS (Wotherspoon's)**

Extra heavy, with long spout. Will last for years.



Each Wotherspoon can comes equipped with two roses, one coarse and one fine. These cans not mailable.

2 quart (equipped with one rose only), \$2.00.

	Round.	Oval.
4 quart .....	\$3.50	.....
6 quart .....	3.75	\$4.00
8 quart .....	4.00	4.25
10 quart .....	4.25	4.50
12 quart .....	4.50	4.75
16 quart .....	4.75	5.25
12 quart Manure Watering Can	4.75	
4 quart Fern or Low Watering Can	2.50	

**EXTRA ROSES OR SPRAYS**

For Wotherspoon Watering Can, either coarse or fine, 50c. each.

Parcel Post Weight on roses, 8 ozs.

**ENGLISH WATERING CANS**

Made of very heavy tin; carefully enameled inside and out; finished light green.

No. 2, 4 qt....\$3.50 | No. 3, 6 qt....\$4.50  
 No. 4, 8 qt.... 4.00 | No. 5, 10 qt.... 4.75  
 English Watering Cans are not mailable.

**GALVANIZED WATER CANS**

Fine for cemetery purposes and other places where a can is desired to last several seasons. (Not mailable.)

4 quart.....	\$0.90	12 quart.....	\$1.65
6 quart.....	1.00	16 quart.....	1.85
8 quart.....	1.25	20 quart.....	3.25
10 quart.....	1.40		

**RUBBER APRONS**

For protecting the clothing while watering or doing any work in the garden where your clothes could become soiled. \$3.50.

**TURBO SPRINKLERS**

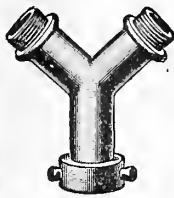
Especially designed for putting greens and for golf course fairways. Price, \$18.00.

**PEACOCK SPRINKLERS**

A pipe arrangement, equipped with nozzles set at various distances.

8 ft. Junior...\$9.00 | 12 ft. Peacock...\$16.50

**No. 68 SIAMESE HOSE CONNECTION**



This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used, according to the water pressure. It is specially adapted for lawn sprinkling. Price, 75c. each.

Parcel Post Weight, 1 lb.

**Hose Reducers**

For reducing 1-in. pipe to fit regular 3/4-in. hose. Each ..... 45c.



Parcel Post Weight, 1 1/2 lbs.



**HYDRANT ATTACHMENTS**

To be used for attaching hose to smooth faucets.

No. 2. For small spigot, 55c.  
 No. 3. For large or standard spigot, 60c.  
 Parcel Post Weight, 1/2 lb. each.

**BOSTON SPRAY NOZZLES**



These render the same service as does the rose of a watering can. They are screwed on the end of the hose like any other nozzle. Coarse and fine, for 3/4-inch hose.

P. P. Wt. Price.  
 Light Copper ..... 1/2 lb. \$1.00  
 Heavy Brass ..... lb. 1.50

**JUSTRITE HOSE NOZZLE**

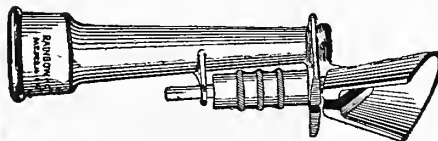


3/4-inch hose. Can be regulated to give three different streams. Price, 75c.

Parcel Post Weight, 1/2 lb.

**CHAMPION HOSE NOZZLE**

A real champion for results; made of brass, with an adjustable feature that furnishes either a solid stream or a spray in varied degrees of fineness. Price, 85c.



**RAINBOW NOZZLE**

An all-brass device with an adjustable arrangement, which regulates in a perfect manner the character of the stream this nozzle will throw. Florists consider it one of the very best on the market today. For 3/4-inch hose. Weight, 1 lb. Price, \$2.25.



**BINKS RAINFALL**

A splendid sprinker that operates on a ball bearing, requiring very little pressure. \$1.75 each.



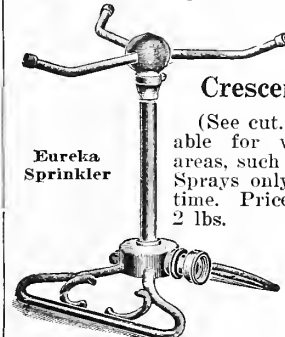
**LAWN SPRINKLERS**



Weight. Price.  
 Enterprise. No. 1. See cut. .... 14 lbs. \$4.50  
 Ring. Large, see cut. .... 1 lb. 1.00  
 Ring or Fountain. Small. .... 3/4 lb. .60  
 Pluvius. 11 in. high. .... 3 1/4 lbs. 1.75



Universal. No. 65. 10 in. high. .... 4 1/4 lbs. \$2.50  
 Eureka. No. 55. 10 in. high. .... 3 lbs. 1.75  
 Aetna. 24 in. high. .... 6 1/4 lbs. 2.50



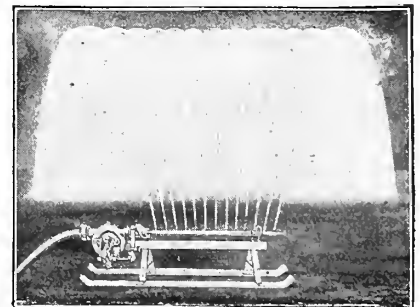
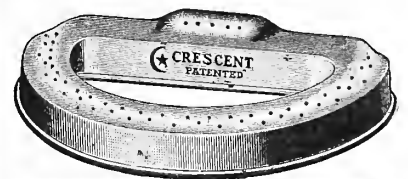
**Crescent Sprinkler**

(See cut.) All brass, suitable for watering confined areas, such as side yards, etc. Sprays only a 1/2 circle at a time. Price, 75c. P. P. Wt., 2 lbs.

Eureka Sprinkler

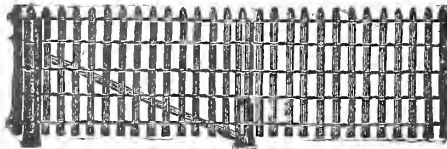
Weight. Price.

Mayflower. 9 1/2 in. high. .... 3 1/2 lbs. \$1.75  
 Preston. 5 1/2 in. high. .... 3 1/2 lbs. 1.75  
 Waterwitch. 8 3/4 in. high. .... 1 lb. .60  
 C. B. G. For golf links. .... 3/4 lb. .60



**SKINNER OSCILLATING SPRINKLER**

Operates under a reasonable pressure, as there is nothing to revolve, except the water motor, which is a part thereof. This is one of the most recent important improvements in the way of lawn sprinklers. Price, \$12.00.



## CEDAR PICKET FENCING

Is tailor-made compared to the ordinary kinds of ready-made fencing. Will wear for years absolutely without paint. Readily put up and saves time, labor and expense of fence building. It is far ahead of and will outwear the old style wire fence by many years. Rolls of 50, 75 and 100 feet.

3 ft. high, with 4 gal. steel double wire cables, 12c. per running foot.

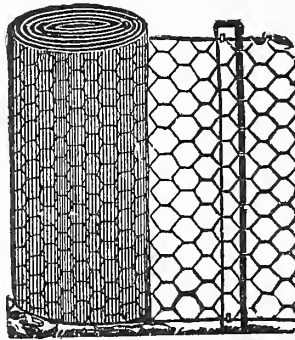
4 ft. high, with 5 gal. steel double wire cables, 14c. per running foot.

5 ft. high, with 6 gal. steel double wire cables, 20c. per running foot.

## WIRE NETTING

Price is constantly changing and is subject to change.

No. 19. Galvanized, two-inch mesh, 150 running feet per bale.



Width	Per Bale	Width	Per Bale
12 inches.....	\$2.10	42 inches.....	\$5.75
18 inches.....	3.15	48 inches.....	6.25
24 inches.....	3.50	60 inches.....	7.25
30 inches.....	4.00	72 inches.....	8.75
36 inches.....	5.00		

No. 20, galvanized, one-inch mesh, 150 running feet per bale.

Width	Per Bale	Width	Per Bale
12 inches.....	\$4.00	42 inches.....	\$10.00
18 inches.....	5.50	48 inches.....	11.00
24 inches.....	6.75	60 inches.....	13.50
30 inches.....	7.50	72 inches.....	16.50
36 inches.....	8.50		

## STAPLES

¾ inch, for fastening netting, 15c. per lb.

## CUT WIRE NETTING

We can furnish this in both 1- and 2-inch mesh, in units of 25-ft., 50-ft., 75-ft., 100-ft. and 125-ft. lengths. 1-inch mesh at 6c. per square ft.; 2-inch mesh at 3c. per square ft.



## SUN DIALS

These ancient time tellers are a part of every exclusive flower or vegetable garden, and indeed a very interesting one.

No. 350. 8-in diam., bronze, plain, \$4.00 each.

No. 351. 9½-in. diam., bronze, with motto, \$5.00 each.

No. 105. 10-in. diam., bronze, with motto, \$5.50 each.

No. 107. 11-in. diam., bronze, with motto, \$8.00 each.



## LAWN GUARDS

For path corners, flower beds, etc. Iron (see cut), nicely painted green, \$2.50 each; per doz., \$27.00. Not available.

Wire, made extra heavy and well galvanized. Price, 35c. each; per doz., \$3.50. Not available.

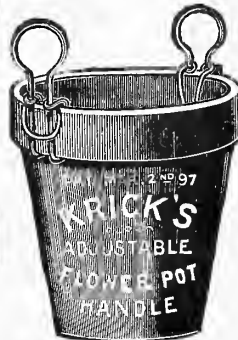
## LAWN SIGNS

Excellent for putting on grass plots where thoroughfare is not desired.

Iron (shown opposite), painted gray, trimmed red. 75c. each; per doz., \$8.00. Parcel post weight, 4 lbs.



Enamelled Iron Style. (See cut above). This pattern is the best for conspicuous places. The name-plate is finished with green and white enamel, is 20 inches long and about 4 inches wide. Equipped with a substantial iron stake. \$1.50 each; per doz., \$17.00. Parcel Post Weight, 3 lbs.



Perfection Hanger

## POT HANGERS

	Wt. per doz.	Each.	Doz.
Krick's No. 1. For 3 to 5-in. pots.....	1 lb.	\$0.05	\$0.50
Krick's No. 2. For 6 and 7-in. pots.....	1 lb.	.06	.60
Krick's No. 3. For 8 to 10-in. pots.....	1 lb.	.07	.70

Perfection. Suitable for any size pot up to 8 inches. Made of galvanized wire, 15 inches long. 15c. each; \$1.50 per doz.; \$10.00 per 100.

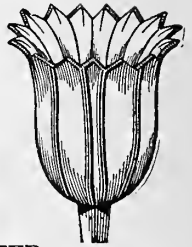
Parcel Post Weight, each, 8 ozs.

## BASKET OR CEMETERY HOOKS

Thoroughly galvanized so they cannot rust.  
Single, 5-16 in. thick, \$1.10.  
Double, 7-16 in. thick, \$1.50.  
These cannot be mailed.

## VASES

For holding cut flowers on cemetery lots and graves.



## PAINTED GREEN

No.	Wt.	Each.	Doz.
6 Large	4 lb.	\$0.55	\$6.00
5 Med.	2 lb.	.45	5.00
4 Small	2 lb.	.35	4.00

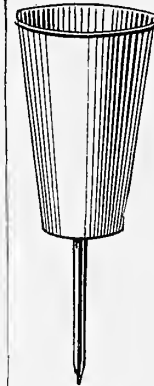
## GALVANIZED

No.	Wt.	Each.	Doz.
6 Large	4 lbs.	\$0.75	\$8.50
5 Medium	2 lbs.	.60	6.75
4 Small	2 lbs.	.45	5.00

## TIN ENAMELED

Color, rich green; will not burst in cold weather.

No.	Wt.	Each.	Doz.
1 Large	½ lb.	\$0.30	\$3.00

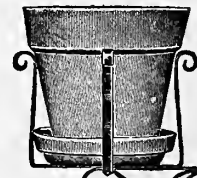
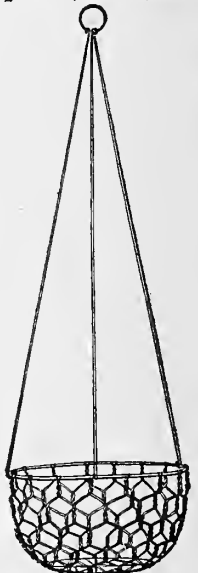


Tin Enamelled Vase

## HANGING BASKETS

Galvanized Wire For greenhouse, porch and conservatory use.

	Each.	Doz.
8 in....	\$0.25	\$2.75
10 in....	.40	4.25
12 in....	.55	5.25
14 in....	.75	7.25
16 in....	.85	8.50



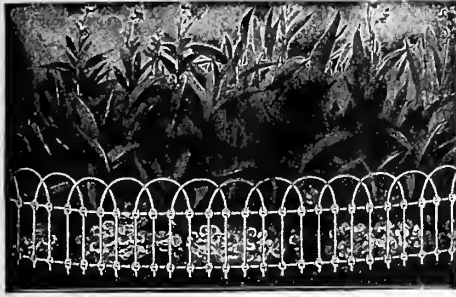
## JONES' POT BRACKET

No. 1. Holds 5-inch pot. Each, 40c.; \$4.50 per doz. Parcel Post Weight, each, 1 lb.  
No. 2. Holds 6-inch pot. Each, 45c.; \$5.00 per dozen. Parcel Post Weight, each, 2 lbs.  
No. 3. Holds 7-inch pot. Each, 55c.; \$6.00 per dozen. Parcel Post Wt., each, 2½ lbs.

## PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.



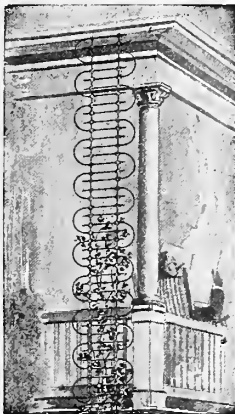


## FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 150 running ft.  
 16 in. Less than 150 ft. roll, 20c. per ft.  
 16 in. In roll lots, 150 ft., 16c. per ft.  
 22 in. Less than 150 ft. roll, 25c. per ft.  
 22 in. In roll lots, 150 ft., 19c. per ft.

## CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porch verandas, pergolas, etc. Thoroughly galvanized and well made.



Continuous Trellis

Any length desired up to 150 running feet.  
 13 in. wide less than 150 ft. rolls, 20c. per ft.  
 13 in. wide, in roll lots, 150 ft., 16c. per ft.  
 19 in. wide, less than 150 ft. rolls, 25c. per ft.  
 19 in. wide, in roll lots, 150 ft., 19c. per ft.

## ADJUSTO PLANT SUPPORT

Indispensable for Roses, Dahlias, Tomatoes and other plants.

The "Adjusto" Plant Support is a marvel for simplicity and efficiency. It consists of two parts; an oak stake pointed at the bottom and painted green, and a hoop of the toughest wire, also painted green to prevent rust.

It contains no nails, hooks, or screws. It holds securely any flower or plant and can be adjusted to any height to conform with the plant's growth.

For all-round garden use and as permanent equipment the "Adjusto" Plant Support can't be touched by anything on the market either in respect to cost or the way they do the work. And then they save the time and labor you otherwise would spend on inefficient equipment. Plants thrive when supported by the "Adjusto" and are sure to bear more beautiful blossoms and perfect fruit.

A permanent equipment which can be used year after year.

	Each	Doz.
18 inch	\$0.08	\$0.85
24 inch	.10	1.00
3 feet	.15	1.75
4 feet	.18	2.00
5 feet	.20	2.25

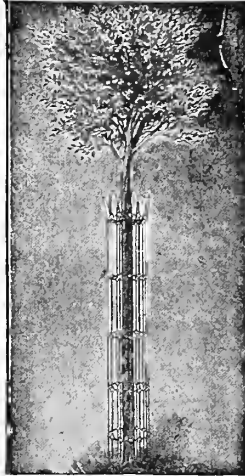
### SPECIAL NOTICE

Owing to the unsettled market conditions, all prices in this catalog are subject to change.

## TREE GUARDS

**Galvanized Wire**—Carefully made of heavy material and finished in a neat and substantial manner. 9 in. diam. \$2.50 each; 12 in. diam., \$3.00 each.

**No. 2 Iron.** Made of flat iron, finished black; will last indefinitely with an occasional painting. \$5.00 each.



Wire Tree Guard



Iron Tree Guard

## GALVANIZED WIRE WORK

This can be furnished on short notice any height or any width in either trellises or arches. Made of heavy diamond mesh wire with strong frames. It requires usually several weeks in which to complete orders for this. 55c. per sq. ft. on pieces aggregating 10 sq. ft. or over; less than 10 sq. ft. pieces, 65c. per sq. ft.

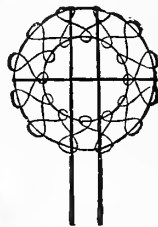


## VERANDA TRELLIS

Made of wood and painted green.

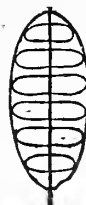
2 feet	.....\$0.80	6 feet, heavy.	\$2.25
3 feet	..... .90	8 feet, heavy.	2.75
4 feet	..... 1.25	10 feet, heavy.	3.50
5 feet, heavy.	1.75	12 feet, heavy.	4.50

Larger sizes to order.



## IVY TRELLIS

Made of wood, painted green.  
 16 inch diam., \$0.75  
 20 inch diam., .85  
 24 inch diam., 1.00



## OVAL TRELLIS

Made of wood, painted green.  
 24 inch .....\$0.50

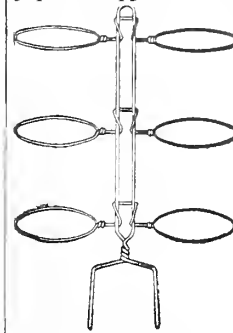
## FAN TRELLIS

Made of wood, painted green.

18 inch	.....\$0.30	36 inch	.....\$1.00
24 inch	..... .40	42 inch	..... 1.25
30 inch	..... .60	48 inch	..... 1.50

## CARNATION SUPPORTS

The Richmond, shown below, is the most popular support on the market. Can be put together in minute and is always satisfactory; 29 in. high.



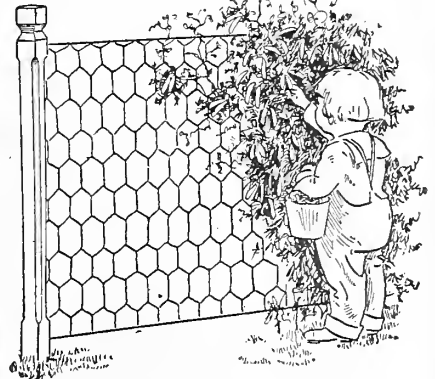
Richmond 3-Ring Support (Double)

**Richmond, double**  
 Doz. 100 1000  
 \$1.25 \$7.00 \$65.00

**Richmond, single**  
 Doz. 100 1000  
 \$1.00 \$6.00 \$55.00

**Model, 2-ring**  
 Doz. 100 1000  
 \$1.00 \$6.00 \$55.00

**Model, 3-ring**  
 Doz. 100 1000  
 \$1.25 \$6.75 \$60.00



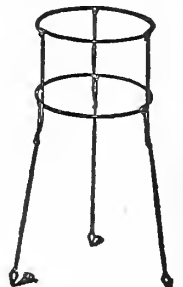
## WIRE PEA TRELLIS

This does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 43 inches high and in 10-foot sections, with 3 suitable 5½-foot stakes for fastening in the ground. Can be put away and used year after year. Price upon application.

## TOMATO OR PAEONY SUPPORT

These pay for themselves the first season. They insure more flowers and better fruit.

Model (Wire). Each, 30c.; doz., \$3.00; \$22.50 per 100.



Model Tomato Support

## WIRE TRELLIS

12 inch high	.....\$0.40
18 inch high	..... .65
24 inch high	..... .90
30 inch high	..... 1.65
36 inch high	..... 1.75
48 inch high	..... 4.25
60 inch high	..... 5.50
72 inch high	..... 7.00



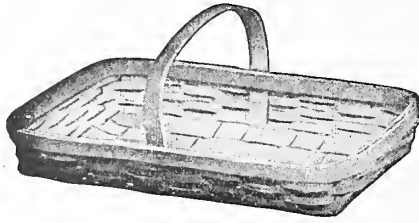
## Vine or Wall Nails

For fastening climbing vines; equipped with a soft metal clasp which holds the vine against the wall.

1 inch, 1½ inch, 2 inch, 2½ inch. Price will be quoted upon application.



# Michell's Horticultural and Garden Supplies



## GATHERING BASKET

Very convenient for carrying berry boxes, asparagus and other vegetables. Made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, \$1.25.



## GARDEN BASKETS

<b>No. 2, Stiff Handle</b>		Each	
1/2 Bu.		\$1.00	
<b>No. 3, Drop Handle</b>		Each	
1/2 Bu.		\$1.00	
<b>No. 4, Without Handle</b>		Each	
1/2 Bu.		\$1.00	
1 Bu.		1.25	

## SPLIT OR CHIP BASKETS

	Without Handles.		With Handles	
	Each.	Doz.	Each.	Doz.
1/4 bu.	12c.	\$1.40	15c.	\$1.50
1/2 bu.	18c.	1.60	20c.	1.75
3/4 bu.	20c.	2.00	25c.	2.25
1 bu.	35c.	3.75	40c.	4.00

## BERRY BOXES

	P. P. Wt.	100	1000
1 quart.	2 lbs.	\$1.50	\$12.00
1 pint.	1 lb.	1.35	11.00



## WOOD MEASURES

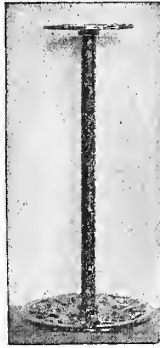
1/4 Peck	\$0.65
1/2 Peck	.70
1 Peck	1.00
1/2 Bushel	1.50
1 Bushel	2.75

## RUBBISH BASKETS



On all large places, on the lawn, in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled from place to place on a harrow. Price, with rope handles, \$3.25 each.

## IRON PLANT STANDS



### STAR STYLE

Somewhat similar to the "Superior," excepting that they are not fitted with the tilting device, and are finished in black varnish.

Height	Each
12 inches	\$1.50
18 inches	1.60
24 inches	2.00
30 inches	2.25
36 inches	2.35
42 inches	2.50

### SUPERIOR STYLE

Can be tilted to set your plants at any angle desired to produce the proper decorative effect. Enameled green.

Height	Size of Plates	Each
12 inch	5 x 7	\$1.50
18 inch	5 x 7	1.60
24 inch	8 x 10 1/2	2.25
30 inch	8 x 10 1/2	2.50
36 inch	8 x 10 1/2	2.75
42 inch	8 x 10 1/2	3.00
48 inch	8 x 12	3.15
60 inch	8 x 12	3.25
72 inch	8 x 12	3.50

### EXTRA PLATES FOR PLANT STANDS

	For Superior	For Star
5 inch	\$0.50	\$0.50
7 inch	.60	.65
8 inch	.75	...
10 1/2 inch	1.10	.80
12 inch	1.30	...

## WIRE PLANT STANDS



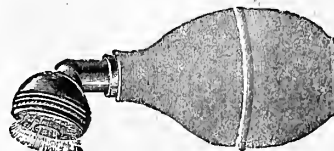
Painted dark green and finished in bronze. Very substantial and will carry most any weight that can be placed on them. We recommend the Jones style, as it is collapsible and takes up very little space when not in use.

### JONES STYLE (See cut).

2 shelf	\$4.50	3 shelf	\$5.50
---------	--------	---------	--------

Wire plant stands require packing for shipment by express and freight. There is a charge of 50c. made for packing.

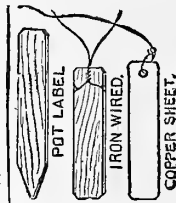
## RUBBER SPRINKLERS



<b>Either Straight Neck or Crook Neck</b>	
Spraywell, 6-oz. cap.	Wt. 8 ozs. \$0.85
" 8-oz. cap.	Wt. 1 lb. 1.00
" 10-oz. cap.	Wt. 1 lb. 1.25
Scollay No. 1.	Wt. 1 lb. 1.50

We offer a complete line of Spraying Apparatus on pages 164 and 165.

## TREE LABELS



Parcel Post Weight, 1/2 lb. per 100.

<b>Iron Wired.</b>	100	1000
Plain	\$.025	\$1.50
<b>Iron Wired.</b>		
Painted	.35	1.80
<b>Copper</b>		
<b>Wired.</b> Plain	.35	1.80
<b>Copper Wired.</b> Painted	.40	2.35
<b>Copper Sheet, wired</b>	.30c. doz.	100, \$1.50
<b>Zinc Sheet, wired</b>	.30c. doz.	100, \$1.50
<b>Indelible Marking Pencils</b>	each,	15c.

## PAINTED POT LABELS

	P. P. Wt.	100	500	1000
4 inch	1/2 lb.	\$0.25	\$0.90	\$1.50
4 1/2 inch	1/2 lb.	.30	1.00	1.75
5 inch	1/2 lb.	.35	1.10	1.80
6 inch	3/4 lb.	.40	1.25	2.25
8 inch	2 lbs.	.85	3.50	6.25
10 inch	2 1/2 lbs.	1.10	4.50	8.25
12 inch	3 lbs.	1.25	5.50	10.50
18 inch, for field use	4.00	19.50	36.00	

## GARDEN MARKERS

For labeling perennials, garden rows, beds or individual plants.



Made of heavy metal, enameled black. The card is covered with a celluloid face, which protects it from the weather. The angle of this label is so as to make it easily read. The holder has a large capacity for cards, so that several years' records may be kept together.

	Each	Doz.	100
<b>No. 5—8 inches high</b>	\$.025	\$2.50	\$17.00
<b>No. 5A—18 in. high</b>	.30	3.00	20.00
<b>No. 5B—24 in. high</b>	.35	3.50	22.00

## MINIATURE HOTBEDS

These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean an early flower or vegetable garden. 12 x 20 in., \$3.25 each. Complete with glass. Not available.



## GRAPE PROTECTING BAGS

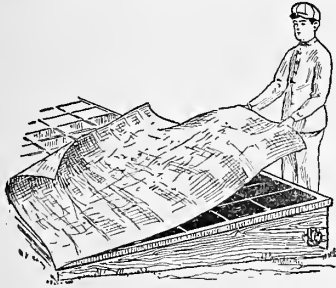
If put on during the period when grapes are forming they will save many times their cost in the amount of fruit they will protect from insects, rot, etc. All ready with wire to fasten.

	P. P. Wt.	100	1000
2 lb. size	1 1/2 lb.	\$0.55	\$5.00
3 lb. size	1 1/2 lb.	.65	5.50
4 lb. size	1 1/2 lb.	.70	6.00

## SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from the sun and at the same time allowing ventilation.

	Yds. per Pe.	Per Yd.	Per Pe.
Light. Brown cloth....	.60	\$0.18	\$10.20
Medium. Brown cloth....	.60	.30	15.60
Heavy. Brown cloth....	.40	.42	16.40



## HOTBED MATS

Hotbed mats keep frosts and severe cold out of frames. They mean earlier and bigger crops.

The Drill style are the best mats that it is possible to procure. They are padded with shoddy and are practically indestructible.

**Plain Drill.** 76 x 76 inches, covering two regular size sash. Each, \$4.00; doz., \$45.00.

**Plain Drill.** 40 x 76 inches, for one sash. Each \$2.50; \$27.00 doz.

**Waterproofed Drill.** 76 x 76 inches. \$4.50 each; doz., \$48.00.

**Waterproofed Drill.** 40 x 76 inches. \$2.75 each; doz., \$30.00.

**Straw Mats.** 3 x 6 feet.....\$1.50 Each Doz. \$17.00

**Straw Mats.** 6 x 6 feet..... 2.50 28.00

Special size Hotbed Mats to order; any length, but only in 76-inch widths. Straw Mats made to order most any size.



For Hot-beds and Cold-frames

## HOTBED SASH

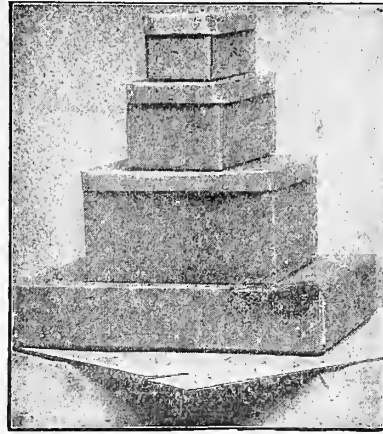
**Philadelphia Style.** Made of best quality cypress. Size, 3 ft. 1 1/4 in. wide, 6 ft. long, 1 3/4 in. thick.

Glazed, painted, puttied glass. \$7.00 each; \$80.00 doz.

Plain, not glazed or painted. \$3.00 each; \$34.00 doz. (Painting only, 75c. each extra).

**Sunlight Glass Sash** (See illustration above). These are made with a double glass facing, one on the bottom, another on the top. It is claimed by the manufacturer where these are used, hotbed mats are unnecessary. 3 ft. wide, 6 ft. long.

	Each
Plain, Unglazed and Unpainted.....	\$4.25
Glazed and Painted .....	10.50
Packing charges on all glazed sash, 50c. each.	



## CUT FLOWER BOXES

	Each	Per Doz.
48x14x8 inch, Corrugated .....	\$1.00	\$9.00
42x14x8 inch. " .....	.85	8.00
36x14x6 inch. " .....	.65	5.50
30x 8x5 inch. " .....	.55	4.50
24x 8x5 inch. " .....	.35	3.50

## LIGHT-WEIGHT PAPER BOXES

	Per Doz.	Per 100
16x4 x3 inch.....	\$0.60	\$4.25
18x5 x3 " .....	.65	4.75
18x7 1/2 x3 1/2 " .....	.85	6.00
20x4 x3 " .....	.75	5.00
21x5 x3 1/2 " .....	.80	5.00
21x8 x4 " .....	1.00	7.25
23x7 x3 1/2 " .....	1.00	7.25
24x5 x3 1/2 " .....	.85	6.00
24x6 x4 " .....	1.00	7.25
24x8 x4 " .....	1.25	8.50
24x8 x5 " .....	1.25	9.00
30x5 x4 " .....	1.20	8.50

## HEAVY-WEIGHT PAPER BOXES

	Per Doz.	Per 100
23x12x5 inch.....	\$2.50	\$17.50
28x 8x4 " .....	1.75	12.50
28x 8x5 " .....	2.00	14.00
30x 9x4 " .....	2.00	14.00
30x 9x6 " .....	2.25	16.00
30x12x6 " .....	2.50	17.50
30x14x6 " .....	3.50	25.00
36x 6x5 " .....	2.00	14.00
36x 8x5 " .....	2.25	16.00
36x12x6 " .....	2.75	20.00

We can also supply Wreath Boxes; prices on application.

## PAPER FOR WRAPPING BOXES AND FLOWERS

	Lb.	5 lbs.	Ream
Manila. For wrapping.....	\$0.20	\$0.90	\$4.00
Manila. Tissue .....	.30	1.25	2.25
Wax. White, 24x36 in..	.40	....	3.75
Wax. Green, 24x36 in..	.45	....	4.00

## ROOFING PAPER, ETC.

	Sq. ft. per roll	Per roll
Celery Paper .....	500	\$3.00
Neponset Red Rope.....	500	9.00
Rubberized Roofing, 2-ply.....	108	3.25
Rubberized Roofing, 3-ply.....	108	4.25
Tar or Pitch, 2-ply.....	100	1.50
Tar or Pitch, 3-ply.....	100	1.75
Caps for tar paper. 1 lb., 15c.; 5 lbs., 60c.		
Nails for tar paper. 1 lb., 15c.; 5 lbs., 60c.		

## ERADO WEED GUN

(See Cut)

As handy as a cane, which it resembles. Fill the reservoir, which holds about 2 quarts of liquid, with Herbicide or some other weed-destroying preparation, diluted and used for destroying weeds of all kinds in lawns without hurting the grass. Press the sharp point of the gun into the heart of the weed until the flat stay pieces touch the ground, when a quantity sufficient to kill is discharged into the heart of the plant which is destroyed for all time. (Galvanized iron.) Price, \$1.25. Parcel Post Weight, 2 lbs.



## SUNDRIES

- Bulb Fibre.** Qt., 15c.; 30c. 1/2 peck; peck, 50c.; 85c. 1/2 bu.; bu., \$1.50.
- Bull Dog Clips.** For fastening packages, etc., \$1.00 per box.
- Carnation Clips (Bours).** for mending carnations. \$1.00 per 1000.
- Carnation Bands (Rubber).** For mending bursted calyx. 30c. per oz.; 1/2 lb., \$1.00.
- Carnation Staples (Wire).** 60c. per 1000.
- Charcoal, Lump.** For use in potting. Pk., 50c.; \$1.50 per bu.; barrel sack, \$2.50.
- Cocoanut Fibre.** 10c. qt.; 4 qts., 30c.; 50c. peck; bushel, \$1.50; \$5.00 for 5 bushels.
- Cork for Orchids.** 50c. per lb.; 10 lbs., \$4.00.
- Glass Cleaner.** \$2.00 gal.; 5 gals., \$9.50.
- Grafting Wax.** 1/4 lb., 20c.; 30c. per 1/2 lb.; lb., 50c.; \$2.40 for 5 lbs.
- Moss (Green Lump).** Pk., 60c.; \$1.50 per bu.; bbl. bag, \$3.00. Green Sheet, 1/2 peck, 40c.; 70c. per peck; bu., \$2.00; \$3.50 per bbl. sack. Sphagnum (dry). Bbl. bales, \$1.50; 5 bbl. bales, \$4.50. Sphagnum (live). Pk., 40c.; \$1.25 per bu.; bbl., \$3.00.
- Pebbles.** Qt., 10c.; 60c. per pk.; bu., \$1.75; \$4.00 per bbl.
- Peat or Leaf Mould.** Pk., 40c.; \$1.25 per bu.; bbl., \$3.00.
- Peat, Orchid.** Pk., 40c.; \$1.25 per bu.; bbl. bag, \$3.00.
- Pruning Compound.** Per qt., 60c.; \$1.50 per gal.
- Sand.** For propagating. Per qt., 10c.; 30c. per pk.; bu., \$1.00; \$3.00 per bbl.
- Shaderine.** For shading greenhouse glass. 5 lbs., \$1.25; 10-lb. cans, \$2.50.
- Soil.** For potting. Qt., 10c.; 20c. per 1/2 pk.; pk., 30c.; \$1.00 per bu.; bbl., \$3.00.
- Tin Foil.** In 5 and 6-inch widths, in 1-lb. pkgs. and in 5-lb. rolls, 5-in. wide. 35c. per lb.; 5 lbs. for \$1.50.
- Toothpicks.** Plain, box, 7c.; 35c. for 6.
- Toothpicks.** Wired, 45c. 1000; 10,000, \$3.50.
- Toothpicks.** 6-inch, wired, green; per 375, 30c.; \$2.00 per 3000.
- Tree Paint (Target Brand).** Qt., 60c.; \$1.50 per gal.
- Violet and Green Foil.** 60c. per lb.
- Weed Killer.** Michell's. Qt., 55c.; 90c. per 1/2 gal.; gal., \$1.75; \$6.75 per 5 gals.; 30 gals., \$33.00; \$50.00 for 50 gals. Herbicide. 60c. qt.; gal., \$1.75; \$7.00 per 5 gals.
- Fairmount Weed Killer.** 1/2 gal., 90c.; \$1.50 per gal.; 5 gals., \$6.25; \$11.50 per 10 gals.; 50-gal. barrel, \$45.00.
- Zementine.** For whitewashing and shading. 2 lbs., 30c.; \$1.45 per 10 lbs.
- Zinco.** For destroying soot and its effects. 60c. per pkg.

**TINNED WIRE**

Used for bunching celery, etc.  
 No. 19, in 10-lb. boxes, cut 8½ inches, 30c. per lb.; per box, \$2.75.

**CUT BOUQUET WIRE**

For Stemming Flowers  
 Cut 9, 12 or 18 inches in length.  
 No. 20, 30c. per lb.; per box, 12 lbs., \$2.75  
 No. 22, 32c. per lb.; per box, 12 lbs., 3.00  
 No. 24, 35c. per lb.; per box, 12 lbs., 3.25

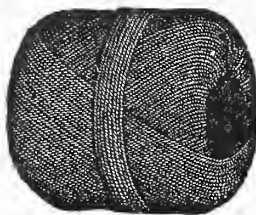


**RAFFIA**

For tying, basket making and fancy work; very long and fibrous.  
 Natural Color, 40c. per lb.; 5 lbs., \$1.90.  
 Green, \$1.50 per lb.

**RAFFIATAPE**

This article is made of a composition of paper and linen and is tremendously strong; it is about ¼ inch wide and is put up in 250-yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Parcel Post Weight, per bolt, ½ lb.  
 Per bolt of 250 yards, 85c.; 6 bolts, \$4.80.



**TWINES, ETC.**

	Ball	Lb.
No. 110. White Cayuga, light	\$0.45	\$0.85
No. 208. White Cayuga	.45	.85
Jute, 2-ply, 3-ply and 5-ply	.25	.45
Linen Bouquet	.15	1.00
Boston Linen, 2- and 3-ply	.30	.60
Green Sea Island	.15	1.00
Special Thin White Cotton	.20	.90
Tarred. For Mat Making	.30	...
Tarred Sisal. For fodder	...	.35
Binder. 5-lb. balls	1.75	...
Express. Very heavy	.35	...
Green Silkaline. For stringing Smilax and Asparagus, etc. F, fine; FF, medium; FFF, coarse.		
Price, per spool, 35c.		
Price, per lb. (8 spools)		\$2.50
Green Linen (substitute for Silkaline). Very similar to the above; fast color.		
Price, 40c. per spool; \$1.50 per lb.		
Smilax Twine. Similar to Silkaline, in 2-oz. spools. 30c. per spool; lb., \$2.00.		

**BAMBOO POLES**

14 ft., very strong; used extensively for brushing worm casts off Putting Greens, also for staking young trees. Each, 45c.; doz., \$4.00; \$30.00 per 100.

**GALVANIZED WIRE STAKES**

**No. 10 WIRE, LIGHT**

	P. P. Wt.	Doz.	100	1000
2 feet.....1½ lbs.	\$0.25	\$1.25	\$10.00	
2½ feet.....1½ lbs.	.30	1.40	11.00	
3 feet.....2 lbs.	.35	1.60	12.50	
3½ feet.....2½ lbs.	.40	1.75	14.00	
4 feet.....2½ lbs.	.45	2.00	16.00	
4½ feet.....3 lbs.	.50	2.25	18.00	
5 feet.....	.60	2.50	20.00	
6 feet.....	.75	2.75	22.50	

**No. 8 WIRE, HEAVY**

	P. P. Wt.	Doz.	100	1000
2 feet.....2 lbs.	\$0.30	\$1.75	\$12.00	
2½ feet.....2½ lbs.	.35	2.00	14.00	
3 feet.....2½ lbs.	.40	2.25	17.00	
3½ feet.....3 lbs.	.45	2.50	20.00	
4 feet.....3½ lbs.	.60	3.00	22.50	
4½ feet.....4 lbs.	.70	3.25	25.00	
5 feet.....	.75	3.50	27.50	
6 feet.....	.85	4.25	35.00	

**WIRE STAKE TIE (Buschardt's)**

For fastening plants to stakes, either wire or wood; can be used more than once. 1000 ties in a pkge. (See cut.) Price, \$2.25.



Everlasting Stake Fastener



Wire Stake Tie

**STAKE FASTENERS**

These take the place of string entirely, lasting several seasons; used for fastening cross wires to galvanized stakes.

	P. P. Wt.	per 100	500	1000
Everlasting	½ lb.	\$2.25	\$3.75	
Eureka	¼ lb.	1.25	2.25	



**WIRE**

Allow for postage if wanted by mail.

		Lb.	12-lb. Stone
No. 16. Galvanized	.....	\$0.20	\$2.00
No. 18. Galvanized	.....	.25	2.25
No. 19. Galvanized	.....	.28	2.50
No. 20. Galvanized	.....	.30	2.75
No. 22. Galvanized	.....	.32	3.00
No. 16. Annealed	.....	.20	1.75
No. 18. Annealed	.....	.22	2.00
No. 20. Annealed	.....	.25	2.25
No. 22. Annealed	.....	.30	2.35
No. 24. Annealed	.....	.35	2.50

**GREEN TAPERING STAKES**

**PAINTED GREEN**

	Weight per Doz.	Each.	Doz.	100
1½ feet..... ½ lb.	\$0.03	\$0.28	\$1.65	
2 feet..... ½ lb.	.05	.45	3.10	
2½ feet..... 1 lb.	.07	.68	4.50	
3 feet..... 1¼ lbs.	.08	.85	5.70	
3½ feet..... 1½ lbs.	.10	1.06	7.35	
4 feet..... 2 lbs.	.12	1.27	8.80	
5 feet.....	.16	1.68	11.65	

**ROSE OR DAHLIA STAKES**

Round tapering style; painted green.

	Weight per Doz.	Each.	Doz.	100
3 feet..... 2½ lbs.	\$0.12	\$1.27	\$8.75	
3½ feet..... 4 lbs.	.15	1.53	10.25	
4 feet..... 5 lbs.	.16	1.66	12.00	
5 feet.....	.20	2.12	15.25	
6 feet.....	.22	2.50	18.50	

**SQUARE PLANT STAKES**

These are painted green and nicely tapered and finished.

	Weight per Doz.	Each.	Doz.	100
1½ feet..... ½ lb.	\$0.03	\$0.25	\$1.85	
2 feet..... ½ lb.	.04	.40	2.75	
2½ feet..... 1 lb.	.05	.56	4.00	
3 feet..... 2 lbs.	.08	.86	6.00	
3½ feet..... 2½ lbs.	.09	.94	6.50	
4 feet..... 4 lbs.	.12	1.22	8.50	
5 feet.....	.14	1.58	11.00	
6 feet.....	.18	2.02	14.00	

**WOOD DOWEL STAKES**

	Length	Diam.	Weight per Doz.	100	1000
24 in...	¾ in...	1 lb.	\$0.20	\$1.00	\$8.50
36 in...	¼ in...	¾ lb.	.25	1.25	10.00
36 in...	¾ in...	1¼ lbs.	.25	1.25	10.00
36 in...	½ in...	3 lbs.	.35	2.00	15.00
42 in...	¼ in...	1 lb.	.30	1.50	12.50
42 in...	¾ in...	1½ lbs.	.30	1.50	12.50
42 in...	½ in...	4 lbs.	.40	2.25	20.00

The above are plain stakes; if wanted dyed green add 5c. per doz.; 25c. per 100; per 1000, \$2.00 to the above prices.

**CANE STAKES (Natural)**

	Doz.	100	250	1000
Southern, 7 to 8 ft.	\$.035	\$2.00	\$3.75	\$14.00
Japanese, 5 to 6 ft.	.35	2.00	4.75	17.50

**JAPANESE GREEN CANE STAKES**

These are very attractive for all purposes of plant staking; thin and very strong.

	Doz.	100	500	1000
1½ feet.....	\$0.15	\$0.75	\$3.25	\$6.00
2 feet.....	.20	1.25	5.50	10.00
3 feet.....	.30	1.50	7.75	14.00
3½ feet.....	.35	2.00	8.50	16.00
4 feet.....	.40	2.25	9.50	18.00

**HYACINTH STAKES**

Used for staking hyacinths, tulips and slender plants; dyed green.

	P. P. Wt.	per 100	Doz.	100	1000
5 inch..... 1½ lbs.	\$0.05	\$0.20	\$1.50		
12 inch..... 2 lbs.	.07	.30	2.50		
18 inch..... 2 lbs.	.10	.40	3.50		

# Michell's Spraying and Insecticide Apparatus, Etc.

## FUMIGATORS

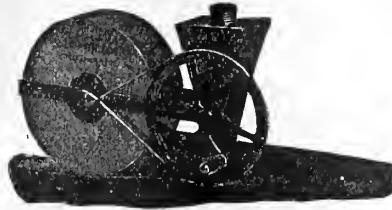
Perfection Make

Fitted with a water tank to prevent burning out. No.

- 1 for house 12x 40 ft. \$5.00
- 2 for house 15x100 ft. 5.75
- 3 for house 20x100 ft. 7.00
- 5 for house 20x150 ft. 8.00

## No. Eureka Make

- 1 for house 10x 20 ft. \$2.75
- 2 for house 12x 40 ft. 3.25
- 3 for house 15x100 ft. 4.00
- 4 for house 20x100 ft. 5.00



## SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Price, \$6.00.

## PARIS GREEN SHAKERS

Tin. For dusting vegetables, potatoes, small fruits and shrubbery, 65c. each. P. P. weight, 2 lbs.

Farmers' Favorite. (See cut.) Large double-action affair, \$2.50 each. P. P. weight, 4 lbs.



## THE KEY DUSTER GUN

This device introduces, or rather makes more practical, the application of dry powder as an insecticide or fungicide. It contains a chamber into which is inserted a cartridge or canister of powdered insecticide, referred to below. These canisters can be inserted or taken out at will. In many instances it is easier or better to use a powdered insecticide rather than a liquid; certainly it is quicker. When the cartridge or canister of insecticide is inserted, the gun opens it automatically, while it may be removed without loss of material, thus enabling the operator to change from one preparation to the other.

The new, quick and easy way of using insecticides and fungicides in the cartridge. Killing many bugs; preventing certain blights. No handling or mixing of chemicals, and without the use of water.

The following is a list of preparations packed in form suitable for use in the Key Gun.

Price per canister

- Bordeaux Arsenate ..... \$0.15
- Lime Sulphur ..... .15
- Hellebore ..... .20
- Price of Gun ..... 3.00

A simple and complete spray calendar is packed with each gun.

## B. D. SHAKER

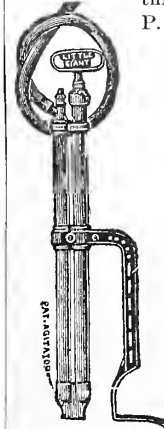
For applying dry insecticides, such as Bug Death, Slug Shot, Paris Green, etc.; made of tin; practical and durable. P. P. weight, 3 lbs. 75c.



A complete line of Insect Destroyers will be found on page 172.

## VAPORIZING LAMP

Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of Nicotinic, Tobakine and other preparations of this sort. 85c. each. P. P. Weight, 3/4 lb.



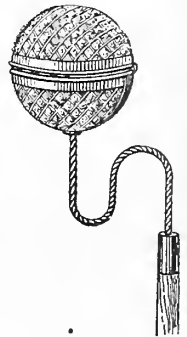
## No. 327 1/2 MYERS' BUCKET PUMP

This is a double brass chamber arrangement, and fills the want of those desiring a medium-priced sprayer. Price, \$6.50. P. P. weight, 9 lbs.

## OIL TORCHES

For burning out worms, caterpillars and pests that infest trees. P. P.

- Reservoir. 1/2 lb., \$0.50
- Asbestos. 1 lb., .65



Reservoir Torch

Asbestos Torch

## POLES FOR TORCHES, ETC.

Hardwood, 12 feet, \$2.00; 14 feet, heavy, \$2.25. Poles are not mailable.

Bamboo Poles. 14 ft., very strong, used extensively for brushing worm casts off putting greens, etc. Each, 45c.; doz., \$4.00; 100, \$30.00.

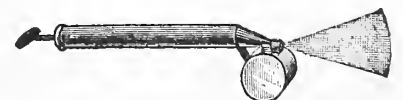


## AUTOMATIC COMPRESSED AIR SPRAYER

Parcel Post Weight, 2 lbs.

This is the grandest hand sprayer ever offered, very easily operated, especially desirable for ladies' use.

Tin.....each, \$1.25 | Brass....each, \$2.25



## CYCLONE HAND SPRAYERS

Similar to the above, except they do not have the automatic air reservoir attachment. P. P. weight, 1 1/2 lbs.

No. 112, Tin, large, 60c.; Midget Tin, small, 35c. No. 114, Brass, \$1.25.



## WOODASON HAND BELLOWS

P. P. Wt.

- Large double cone; each.....5 lbs. \$6.00
- Large single cone; each.....3 lbs. 4.00
- Small single cone; each.....2 lbs. 3.00
- Liquid spraying; small .....3 lbs. 3.25
- Liquid spraying; large .....4 lbs. 4.00
- Sulphur Bellows; each ..... 3.25

## WHIRLWIND POWDER GUNS



Very useful for distributing dry powder. Price, 35c.

P. P. Weight, 8 ozs.

# 164 MICHELL'S SPRAYING APPARATUS

## GOULD'S FRUITALL BARREL PUMP No. 1188

A high-grade pump at an attractive price, within the reach of every one who has need for such a pump. 2 in. diameter cylinder. Bronze wearing parts. Plain pump, no hose, nozzle or barrel, \$12.00.

**Outfit C**—With agitator, one 15 ft. lead of ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$18.25.

**Outfit D**—With agitator, two 15 ft. leads of ½ in. spray hose and two Mistry Jr. nozzles (no barrel), \$24.50.

**Barrels** for holding spray solution, 50 gal. capacity, \$8.00.

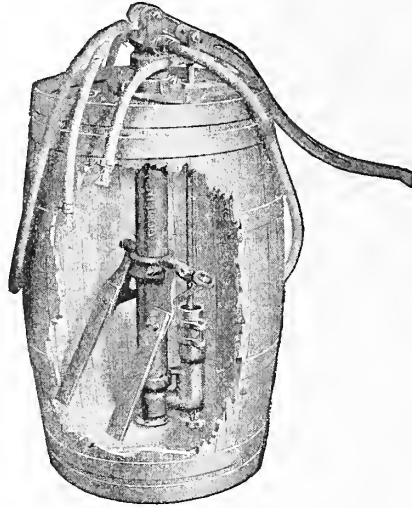
## GOULD'S STANDARD BARREL PUMP No. 905½

Equipped with a brass-lined cylinder and a liberal-sized air chamber, suitable for operating one or two lines of hose. Plain, no barrel, hose or nozzle, \$17.75.

**Outfit C**—Equipped with one lead 15 ft. ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$22.50.

**Outfit D**—Equipped with two 25 ft. leads of ½ in. spray hose, two Mistry Jr. nozzles (no barrel), \$28.75.

**Barrels** for holding spray solution, 50 gal. capacity, \$8.00 each.



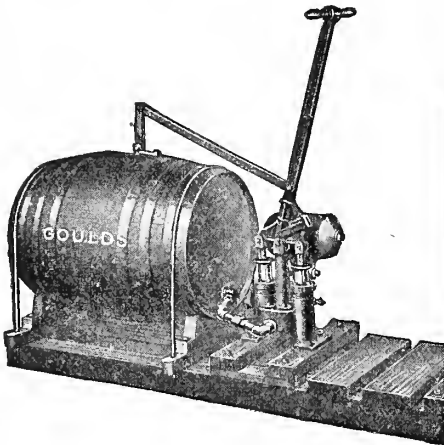
## GOULD'S POMONA BARREL SPRAY PUMP, Fig. 1100

Can be used for feeding one or two leads of hose; all working parts are bronze, with lasting qualities. Plain pump, 2½ in. diam. cylinder only, \$22.00.

**Outfit C**—With one 15 ft. section ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$28.25.

**Outfit D**—With two 15 ft. sections ½ in. spray hose and two Mistry Jr. nozzles, \$34.50.

**Barrels** for holding spray solution, 50 gal. capacity, \$8.00 each.



## GOULD'S MONARCH, Fig. 1506

This equipment is designed to be mounted on a platform for stationary use or for transporting on a wagon, sled or by other means; it is the best pump in its class and will last a lifetime with reasonable care. Plain style, No. 0, \$37.50.

**Outfit C**—Equipped with 5 ft. of suction hose and strainer, with one 15 ft. lead of ½ in. special spray hose and one Mistry Jr. nozzle, \$46.25.

**Outfit D**—Same as Outfit C, except the equipment is two leads of hose and two nozzles, \$52.50.



## No. 4 PARAGON SPRAYER

Designed for spraying whitewash and water paints in poultry houses and buildings, also for spraying trees and shrubbery. Equipped with 10 feet of extension pipe, 20 feet 6-ply hose and 2 spraying nozzles. Price, complete as in cut, \$33.00.



Bordeaux Nozzle



Vermorel Nozzle

## SPRAY NOZZLES (¾ in. thread)

	P. P. Wt.	
Bordeaux and Vermorel.....	8 ozs.	\$0.85
Mistry Jr. ....	5 ozs.	.90
Paragon style .....	4 ozs.	.40
Duplex Vermorel (2 nozzles)...	14 ozs.	2.25
Triple Vermorel (3 nozzles)...	16 ozs.	3.10
Quadruple Vermorel (4 nozzles)...	2 lbs.	4.00
Duplex Mistry (2 nozzles)....	2 lbs.	3.20

For ¾-in. connections add 40c. to the above nozzle prices.



## EXTENSION PIPES, ETC.

For reaching into trees; ¾-inch threads.  
**Bamboo**, aluminum lined tube, 10 ft...\$5.00  
**Galv. Iron**, 2 ft., P. P. weight, 6 ozs... .45  
**Brass**, 2 ft., P. P. weight, 8 ozs. .... .60  
**Pet Cock**, for extension pipes .....



## HEAVY BRASS SYRINGES

No.	Diam.	Length.	Wt.	Price.
99	—1½ in.	18 in.	1 spray .1¾ lbs.	\$3.75
101	—1¼ "	14 "	2 sprays 2 "	4.25
101A	—1½ "	16 "	2 " 2¼ "	5.25
110	—1¾ "	20 "	2 " 4½ "	8.50
120	—1¾ "	20 "	(Adjustable 5 "	9.50

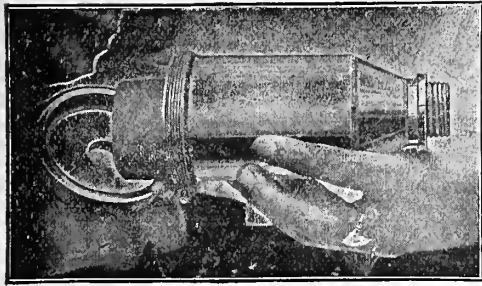
**Our Garden Tool and Sundries Department** we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

### PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.

### BOOKS ON SPRAYING

Spraying Crops (Weed).....	\$0.75
Spraying of Plants, The (Loderman .....	1.50



## THE KIRKE FEEDER

Made to accommodate cartridges of various kinds, containing fertilizer and insecticide ingredients, each separate as below.

	Each.	Doz.
Nickel Cartridge Holder.....	\$3.00	
Angle Worm Cartridges.....	.80	\$9.00
Nicotine Cartridges .....	.35	3.75
Salt Cartridges .....	.15	1.20
Arsenate of Lead Cartridges....	.50	5.75
Fertilizer Cartridges .....	.20	2.00
Bordeaux Cartridges .....	.25	2.15

## No. 22 BINKS COMPRESSED AIR SPRAYER

Galvanized steel tank, 5 gals. capacity. Brass pump with a patent clamping device, equipped with 3 feet of hose, spray nozzle, shut-off cock and shoulder strap.

P. P. Wt., 15 lbs. Price, \$8.50.



Binks No. 22 Sprayer

## BROWN'S No. 6 BUCKET PUMP

A splendid force pump for spraying, either indoors or out. Price, \$5.00.



Success Pump

## BUCKET SPRAY PUMP

These are made entirely of brass, except the foot rest and hand grip. The prices below do not include bucket, but include nozzle and 3½ feet of ¾-in. hose and nozzle.

No. 256. Success (without bucket fastener). \$7.50. P. P. Weight, 7 lbs.

No. 689. Perfect Success (with bucket fastener). \$8.00. P. P. Weight, 9 lbs.

## DEMING KNAPSACK SPRAYERS

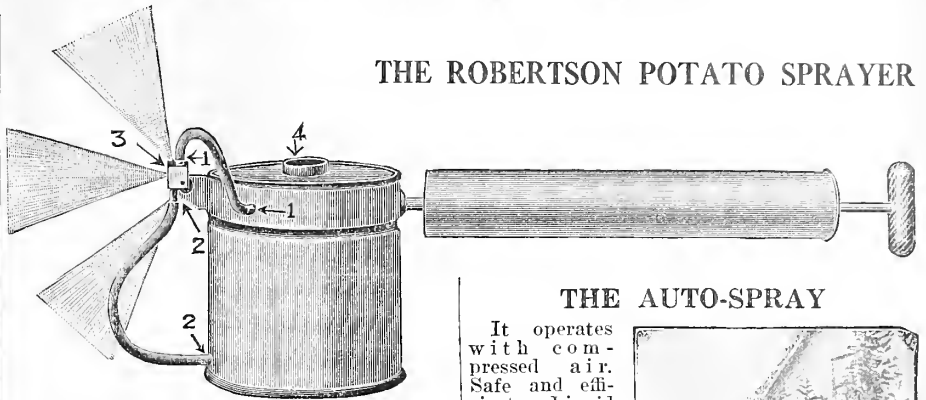
These are elegant for carrying around the garden, among shrubbery and tree work, etc.

Fig. 675. Copper tank, holding about 5 gals., complete with pump, nozzle and hose ..... \$25.00

Fig. 564. Galvanized tank, holding about 5 gals., complete, with pump, nozzle and hose ..... 18.50

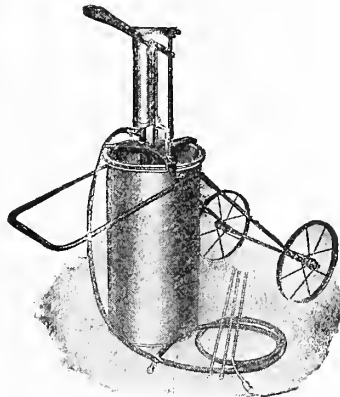
Deming Knapsack Sprayers are not mailable.

**Our Garden Tool and Sundries Department** we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.



## THE ROBERTSON POTATO SPRAYER

This is probably the first successful hand sprayer that distributes in a systematic fashion a spray solution on the top and underneath the foliage of potato vines and other plants. It is made of galvanized iron, in a substantial manner, and the reservoir is of liberal size; it may be used for general spraying in the vegetable and flower garden as well as elsewhere. Price, \$1.50.



No. 3 Paragon Sprayer

## THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or paint.

No. 6. Capacity, 3 gallons; equipped with 4 ft. hose, 1-3 ft. extension pipe and 2 spray nozzles. Price, \$15.00.

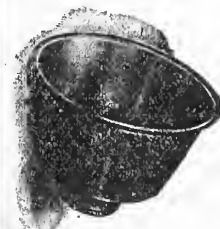
No. 1. With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$19.00.

No. 3. Equipped with a 12-gal. tank mounted on a truck, three 2½-ft. extension pipes, 2 nozzles and 10 ft. of hose, \$26.00.

No. 4. Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles. 25-gal. barrel, complete, \$33.00.

Bucket Washers for Paragon Sprayers, 35c. each.

## COPPER STRAINER



For straining whitewash, spraying material, etc. The neck is of the correct size to fit into the reservoir of an auto-spray, which allows both hands to be free when using it. \$1.50 each.

P. P. Weight, ¾ lb.

## THE AUTO-SPRAY

It operates with compressed air. Safe and efficient. Liquid capacity, 4 gallons; pressure capacity, 40 lbs. The Brown Auto-Spray is probably the first real successful compressed air sprayer ever put on the market. Previous to its introduction there were other makes, some of them still being offered for sale. We have had a wide and varied experience with the different ones, and after personal tests and noting the experiences of our customers, finally adopted as our standard compressed air sprayer this make. No sprayer is sold under broader guarantee for efficiency and durability. The Auto-Spray must please and will accomplish all that any first-class sprayer will, or the purchase price will be refunded. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same. Auto-Sprayers can be sent via parcels post; weight, 16 lbs.



Auto-Spray in Operation

No. 1-B. Brass. Equipped with hose and Auto-Pop Attachment, \$11.00.

No. 1-D. Galvanized Iron. Equipped with hose and Auto-Pop. \$7.50.

**Auto-Pop Nozzle Attachment** controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately, \$1.50 each, without hose; with hose, \$2.00. P. P. Weight, 1 lb.

## PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.

# Michell's Poultry Supplies, Etc.



Prairie State Incubator

## PRAIRIE STATE INCUBATORS

In the building, design and construction of the Prairie State Incubator every known factor to the present time has been taken into consideration. All Prairie State Incubators are equipped with nurseries.

In shipping the heaters are crated separately, as their design and size make it more practical; also it does away with the possibility of the heater becoming injured in transit.

There are also many other improvements in the Prairie State Incubator that a study of the Prairie State Catalog and a close inspection of the machine itself, if possible, will best reveal.

Prairie State Heaters, built in four sizes, are of absolutely new design and all comply with the most rigid requirements of the National Board of Fire Underwriters.

Every heater is inspected by the regular authorized Underwriters' inspector, under the direction of the Fire Underwriters' Laboratories, and bears the inspection mark together with the Underwriters' Label, which facts, in combination with the construction of the incubator, make the entire machine insurable in any location without any extra insurance rate.

The Prairie State has the diffusive air circulation system and sand tray moisture feature, and is as faultless as it is possible to make incubators.

	Oil Consumption per 24 hrs.	Hen Egg Capacity.	Duck Egg Capacity.	Price.
No. 0. Diffusive style....	3/4 pt.	100	75	\$33.00
No. 1. Diffusive style....	1 pt.	150	115	42.00
No. 2. Diffusive style....	1 1/2 pts.	240	200	59.00
No. 3. Diffusive style....	1 3/4 pts.	390	300	75.00

We can also furnish Prairie State Incubators without underwriters' label, at a reduction from the above prices, making shipments direct from factory, Homer City, Pa.

Complete Catalog of Prairie State Incubators and Brooders free on request.

## PRAIRIE STATE SENIOR STOVE BROODER

This has been developed to meet a growing demand for a brooding device readily adaptable to production on a mammoth scale. It is durable, substantial and low in cost of operation. The stove is solid cast iron, resting directly on its base without legs, there being no hot place under the stove possible for the chicks to reach. Designed for hard coal, but will burn soft coal also. The canopy is flat, with downward projection to which is fastened adjustable hover curtain. Is of galvanized sheet steel, hinged in centre, giving ready access to stove when coaling. Regulator is powerful, sensitive, triple control, of wafer type, regulating temperature to a fraction of a degree, with all working parts under canopy and so protected. This size handles flocks of 250 to 1000 or more safely and is adaptable to permanent or portable brood houses. Price, complete with equipment (weight, crated, 245 lbs.), \$40.00.

## PRAIRIE STATE JUNIOR STOVE BROODER

The construction of this is similar to the Senior Prairie State Coal Stove Brooder, except that there is no thermometer and the stove itself is not quite so large, but it will brood the same number of chicks. Price, \$25.00. No. 0, Junior, \$18.00.

## GEM HOT WATER INCUBATOR

This is especially designed for the amateur or beginner. It is a wonderful value for the price charged. Very carefully made. Equipped with galvanized water heater and a sensitive thermostat. We can supply this in one size only, 50-Egg capacity, \$8.00.

## THE HOME HATCHER (Hot Water) INCUBATOR

The tendency in many localities seems to lean toward incubators heated by a hot water system. The company making the Prairie State line have been quick to appreciate this and have organized under the name of the "Homer Mfg. Co.," a complete manufacturing plant to turn out the hot water machines.

Capacity.	Made in two sizes.	Price
125 egg size .....		\$20.00
250 egg size .....		35.00

## THE QUEEN INCUBATOR (Hot Water)

The "Queen Line" is made in a sufficient number of sizes to meet the demands of any one who has use for an incubator.

	Egg Capacity.	Wt.	Price.
No. 1. Baby Queen .....	85	72	\$25.00
No. 2. Queen .....	135	95	34.00
No. 3. Queen .....	180	105	39.50
No. 4. Queen .....	275	138	49.50
No. 5. Queen .....	400	171	58.50
No. 25. Queen .....	600	245	90.00

## QUEEN OUTDOOR LAMP-HEATED BROODERS

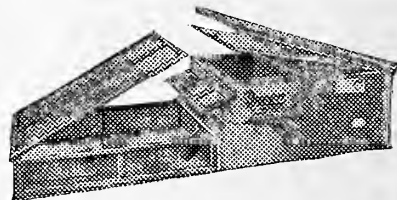
are designed to raise the chicks in all kinds of weather at any time of the year, with complete protection day and night.

They are made of one-inch high-grade, thoroughly seasoned hardwood lumber with mortised corners, bound with galvanized iron and covered with two coats of paint.

The heating system gives an abundance of heat, distributed properly, while plenty of fresh air is provided automatically without draughts. Brooder has two floors. Under the heating drum the floor is cut away and a galvanized can substituted, which may be filled with earth or sand.

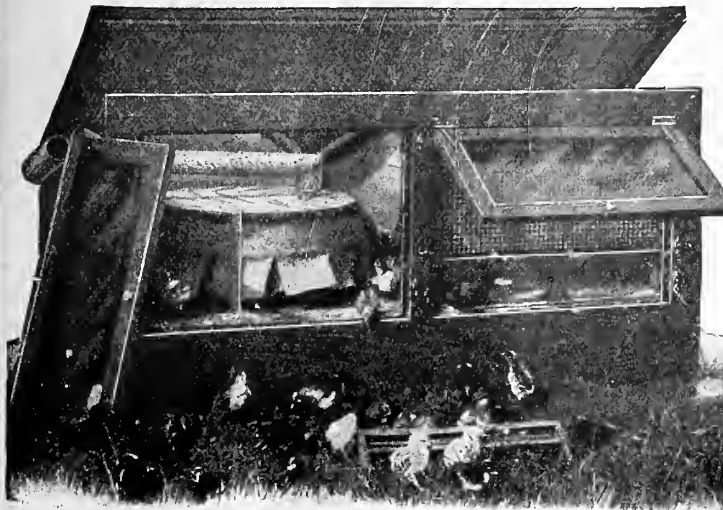
It is removable and easily cleaned. Upper floor has two compartments—brooding room and sun parlor.

No. 10. 125-chick size .....	\$29.00
No. 11. 165-chick size .....	31.50
No. 12. 250-chick size .....	34.00



Prairie State Stove Brooder





## PRAIRIE STATE COLONY HOUSES

The Colony Brooder, with its dry, roomy quarters, level floors, overhead heat, graduated temperature, thorough ventilation and sun parlor for exercise, offers a happy solution to chick raising.

When the soil becomes worn out or if the location has become infected with disease or vermin, the removal of a portable colony brooder is an easy matter, and the birds can be given new quarters on fresh soil and amid new surroundings.

To transform the Combination Brooder into a Colony House, slip out the middle partition, remove the hover and lamp, and you have one of the neatest colony houses that could be built.

No. 1—3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator).....\$30.00

REGULATORS FOR THE ABOVE, \$1.25 each.



## PRAIRIE STATE JR. PORTABLE HOVER

It is impossible for chicks to crowd in a Prairie State Portable Hover. It is provided with an accurate and sensitive regulator, which automatically controls the temperature day in and day out as closely as an incubator. It requires no watching and newly-hatched chicks can be entrusted to its care without the slightest thought for safety. This hover can be successfully used inside of a poultry house or attached to a Colony Brooder. It is made entirely of iron and metal, except the hover cloth. There is not a particle of wood on it, hence no danger from fire. Provides ample nursery space for 50 chicks. Price, \$10.00 (with regulator).

### \*UNIVERSAL PRAIRIE STATE HOVERS

Without lamp box, for indoor use, \$7.00.

With lamp box, for outdoor use, \$8.00.

Regulators for those marked (\*), \$1.25 each if bought separately, or \$1.00 additional if bought with hover.

## HOME HATCHER HOVER

An inexpensive galvanized iron proposition, similar to the Prairie State Portable Hover; amply cares for 50 chicks. \$6.00 each (without regulator).

## Norwich Automatic Poultry Feeder

In operating the Norwich Automatic Exerciser and Feeder, it is but necessary to fill the hopper with such grain as may be desired, straight or mixed, filling the feed bar with either cracked corn or wheat, and adjust the valve at the bottom of the hopper to feed in such quantities as desired. Set the machine anywhere in the yard, pen or house, give the feed bar a turn or two, and, surprising as it may seem, in ten to fifteen minutes every hen in the flock will take in the situation and work it.

Another valuable feature is the fact that the hopper, being rain-proof, the feed is always dry and fresh. The hopper is also dust-proof, and not a particle of dust can get on the feed.

No. 1—8-quart hopper. Weight, 15 lbs., \$5.00.

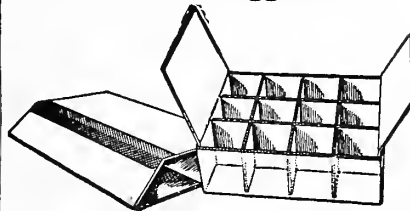
No. 2—14-quart hopper. Weight, 18 lbs., \$5.50.

No. 3—20-quart hopper. Weight, 22 lbs., \$6.50.

No. 4—32-quart hopper. Weight, 25 lbs., \$7.50.



## Parcel Post Egg Boxes



This shipping package is so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned board. Absolute protection is therefore assured, as the box possesses sufficient strength and

durability to stand the usual rough handling in transit.

Capacity	Each	Doz.	100	Capacity	Each	Doz.	100
1 doz.....	\$0.18	\$1.50	\$12.00	4 doz.....	\$0.35	\$3.50	\$27.00
2 doz.....	.20	2.25	18.00	5 doz.....	.40	4.00	32.50
3 doz.....	.25	2.75	22.00				

## SALT BRICKS

For dairy cows, horses and other animals. This is an essential to general good health in stables among horses and cattle; fastened on the wall it is accessible at all times and remains clean. Per brick, 30c.; \$3.00 per dozen. P. P. Weight, each, 5 lbs.

Salt Brick Holders, 50c. each; \$5.00 doz. P. P. Weight, 3 lbs.



## CALF WEANERS

Easily attached, cannot harm either the calf or the cow.

No. 1—For calf under 1 year, 60c. P. P. Weight, 4 ozs.

No. 2—For calf over 1 year, 85c. P. P. Weight, 6 ozs.

No. 3—For cows, \$1.00. P. P. Weight, 10 ozs.

## RICHMOND BUTTER CHURNS

First quality white cedar, carefully finished, easily cleaned.

No. 1. 3 gals.....\$5.00

No. 2. 4 gals..... 6.00

No. 3. 7 gals..... 7.00

## WATER PAILS

J. I. C. Extra heavy; white cedar, 16 qts., \$1.75.



## PERFECT MILKING PAIL

A stool and bucket combined; made of heavy tinned ware with a removable cover and strainer, the latter preventing anything from getting into the milk. Price, \$5.00.

## POULTRY AND ANIMAL FOODS AND TONICS

## TAX NOTICE

All articles prefixed with an asterisk (\*) on pages 168 and 169 are subject to a revenue tax of 1c. for each 25c. in value or fraction thereof, and this tax must be paid by the purchaser.

Prices of Poultry Food Fluctuate constantly and will be quoted on application where prices are not mentioned

For Bird Seeds and Supplies see Page 176

**Alfalfa Hay.** 5 lbs., 30c.; 50c. for 10 lbs.; 25 lbs., \$1.25; \$2.00 for 50 lbs.; 100 lbs., \$3.75.

**Alfalfa Meal.** Rich in protein and especially desirable for young birds. 5 lbs., 30c.; 50c. for 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75.

**\*Animal Regulator (Pratt's).** 30c. and 60c. pkg.; 12 lbs., \$1.75.

**Barley.** Principally fed for making feathers and bone. 5 lbs., 30c.; 50c. for 10 lbs.

**Bone (Coarse Ground).** For feeding grown fowls. For muscle making, producing eggs and as a digester.

**Bone (Fine Grade).** For feeding chicks and pullets and using in the mash. Prices for bone, 5 lbs., 40c.; 65c. for 10 lbs.; 25 lbs., \$1.50.

**Bran (Wheat).** For mash, etc. An excellent egg maker and very nutritious. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.00.

**Broken Rice.** 15c. per lb.; 5 lbs., 65c.; \$1.15 for 10 lbs.; 25 lbs., \$2.50.

**Buckwheat.** Fed very largely as change of diet. 5 lbs., 30c.; 50c. for 10 lbs.

**Cake Meal.** For mixing in the mash. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.35.

**Calf Meal (Blatchford's).** For weaning calves from the cow and taking the place of milk. 50 lbs., \$3.50; \$6.50 per 100 lbs.

**Canada Peas.** Principally fed to pigeons, when it acts as a bowel regulator. 5 lbs., 55c.

**Cat Food (Spratt's).** Per carton, 35c.

**Catnip Balls.** A playing and tonic for pussy. 15c. each.

**Charcoal.** Two grades, fine and coarse. Disinfects the bowels and tones up the whole system. 1 lb., 8c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.35 for 25 lbs.; 100 lbs., \$4.00.

**Chicgrain (Spratt's).** Can be used as the staple food from the very day the chick is hatched. 50c. per carton; 10 lbs., \$1.00; \$2.25 for 25 lbs.; 100 lbs., \$7.00.

**Chick Food (Michell's).** Made from clean, wholesome grains. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.60; \$5.75 per 100 lbs.

**Chick Food (Park and Pollard).** 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.60; \$6.00 per 100 lbs.

**\*Chick Food (Pratt's).** For newly-hatched chicks. 2½ lbs., 30c.; 60c. for 5¾ lbs.; 14 lbs., \$1.35; \$2.25 for 25 lbs.

**Chick Manna.** Price, 1 lb., 20c.; 50c. for 3 lbs.; 5 lbs., 75c.; 15 lbs., \$2.00; 60-lb. case, in bulk, \$6.25.

**Chick Meal (Spratt's No. 5 and No. 3).** For show or prize stock; develops strong, husky specimens. 5 lbs., 65c.; \$1.10 for 10 lbs.; 25 lbs., \$2.50; 50 lbs., \$4.90; \$9.50 per 100 lbs.

**\*Condition Powder (Sheridan's).** A natural stimulant and persuader for the hen. 15c. package; 2¼-lb. can, 75c.

**\*Condition Tablets (Pratt's).** 30c. and 60c. per box.

**\*Conkey's Laying Tonic.** 30c. pkg.

**Conkey's Starting Food for Baby Chicks.** Contains bone and muscle making properties in the highest degree. 1 lb., 15c.; 35c. for 3 lbs.; 5 lbs., 55c.; \$1.00 for 10 lbs.; 25 lbs., \$2.25; \$4.25 for 50 lbs.; 100 lbs., \$7.75.

**Corn Meal (Special Process).** Suitable for either mash or feeding little chicks. 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.35; \$2.50 for 50 lbs.; 100 lbs., \$4.75.

**Cracked Corn.** Carefully sifted; fine or coarse. 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.35; \$2.50 for 50 lbs.; 100 lbs., \$4.75.

**Cut Clover Hay.** Excellent for using in mashes, taking the place of green food. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.15; \$2.00 for 50 lbs.; 100 lbs., \$3.75.

**Developing Food (Michell's).** A mixture of grain that is fed from the time chicks are 3 weeks old till they are 3 months old. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.50; \$2.85 for 50 lbs.; 100 lbs., \$5.50.

**Dog Cakes (Spratt's).** Small pkg., 40c.; 75c. per large pkg.; 25 lbs., \$3.25; \$6.00 per 50 lbs.; 100 lbs., \$11.25.

**Dog Cakes (Maltoid Milkbone).** 15c. and 25c. per carton; 10 lbs., \$1.65; \$4.00 per 25 lbs.; 50 lbs., \$6.50.

**Fish, Dried Ground.** Splendid for egg production. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.75; \$3.00 per 50 lbs.; 100 lbs., \$5.50.

**Gluten Meal.** For feeding to both poultry and cows. 5 lbs., 30c.; 55c. for 10 lbs.; 25 lbs., \$1.25; \$2.25 for 50 lbs.; 100 lbs., \$4.25.

**Grit (Mica Crystal).** Fine, medium and coarse. 5 lbs., 15c.; 50c. for 25 lbs.; 50 lbs., 85c.; \$1.50 per 100 lbs.; 500 lbs., \$6.00; \$11.00 per ½ ton; ton, \$20.00.

**Grit (Red Cross Health).** For pigeons. 5 lbs., 20c.; 35c. for 10 lbs.; 25 lbs., 65c.; \$1.25 for 50 lbs.; 100 lbs., \$2.25.

**Ground Oats.** This makes an excellent dry feed when combined with other similar ration. 5 lbs., 30c.; 55c. for 10 lbs.; 25 lbs., \$1.10; \$2.00 for 50 lbs.; 100 lbs., \$3.75.

**Growing Food (Park and Pollard).** Feed when chicks are developing. 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$5.25 per 100 lbs.

**Hemp Seed.** Fed largely to pigeons, also to poultry during winter months. 20c. per lb.; 5 lbs., 90c.; \$1.50 per 10 lbs.

**Hulled Oats.** A splendid food for young chicks. 5 lbs., 45c.

**Kaffir Corn.** Makes a fine food for pigeons, also used for poultry. 5 lbs., 45c.; 80c. per 10 lbs.; 25 lbs., \$1.60; 50 lbs., \$3.00; \$5.50 per 100 lbs.

**Linseed Meal.** For feeding with the regular ration during the moulting period. 22c. per lb.; 5 lbs., \$1.00; \$1.75 per 10 lbs.

**Mash Food (Michell's Buttermilk).** Rich in bone, muscle and feather making elements. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.50; \$5.25 per 100 lbs.

**Mash Food (Park and Pollard).** (Lay or bust.) 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; \$5.50 per 100 lbs.

**Mash Food.** (Buttermilk). For chicks. A specially prepared mash to develop quick growth in young stock. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$2.00; 100 lbs., \$5.50.

**Meat (Prepared).** Very rich in protein. 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.60; \$3.00 for 50 lbs.; 100 lbs., \$5.75.

**Middlings.** An excellent change in combination of a mash. 5 lbs., 30c.; 55c. for 10 lbs.; 25 lbs., \$1.10; \$4.00 for 100 lbs.

**Millet (For Feeding).** Highly nutritious and used extensively for pigeons and young chickens. 12c. per lb.; 5 lbs., 55c.; \$1.00 per 10 lbs.

**Mustard (Poultry).** A highly valuable poultry tonic. 1½ lbs., 60c.; \$1.10 for 3 lbs.; 5 lbs., \$1.50.

**Oat Meal (Pin Head).** An excellent food for young chicks after they are a few days old. 5 lbs., 45c.; 80c. for 10 lbs.; 25 lbs., \$1.75; \$3.25 per 50 lbs.

**Oyster Shells.** Fine and coarse. State which is wanted when ordering. 5 lbs., 15c.; 50c. for 25 lbs.; 50 lbs., 75c.; \$1.25 per 100 lbs.; 500 lbs., \$5.50; \$18.50 per ton.

**\*Panacea (Poultry Tonic).** 2½ lbs., 30c.; 60c. per 5 lbs.; 12½ lbs., \$1.25.

**Pheasant Meal (Spratt's).** No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.50; \$4.90 per 50 lbs.; 100 lbs., \$9.50.

**Poultry Food (Spratt's No. 3).** A splendid egg producer. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.50; \$4.90 per 50 lbs.; 100 lbs., \$9.50.

**Poultry or Scratch Food (Michell's).** An evenly balanced grain ration. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.40; \$2.75 per 50 lbs.; 100 lbs., \$5.00.

**Poultry or Scratch Food (Park and Pollard).** A carefully prepared food. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.50; \$5.50 per 100 lbs.

**\*Pratt's Poultry Regulator.** Price, 8-oz. package, 12c.; 24-oz., 30c.; 60c. per 4 lbs.; 12-lb. bag, \$1.20; \$1.75 per 12-lb. pail.

**Prepared Pigeon Food.** An excellent mixture of grain. 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.50; \$5.25 per 100 lbs.

**Puppy Cakes (Spratt's).** Small pkg., 50c.; 85c. large pkg.; 25 lbs., \$3.50; \$6.50 per 50 lbs.; 100 lbs., \$12.50.

**Puppy Cakes (Maltoid Milkbone).** 15c. and 25c. per carton; 10 lbs., \$1.65; \$4.00 per 25 lbs.; 50 lbs., \$6.50.

**Salt Cat.** A tonic for pigeons. 10c. per brick; 6 for 60c.; \$1.10 per doz.

**Sunflower Seed.** For poultry, parrots, etc. 20c. per lb.; 3 lbs., 55c.; 85c. for 5 lbs.; 10 lbs., \$1.60.

**Vetches or Tares.** For pigeon feeding. Ask for quotations.

## POULTRY REMEDIES, LICE DESTROYERS DISINFECTANTS, Etc.

- Carboletta.** A carbolic solution for painting roosts, spraying, etc. 40c. per qt.; ½ gal., 65c.; \$1.00 per gal.
- Carbolineum** (Protexol Genuine Arvenarius). A poultry house disinfectant, louse and mite destroyer; excellent wood preservative; in gallon cans only. \$1.50 per gal.; 5 gals. for \$7.00.
- \***Condition Tablets** (Pratt's). 30c. and 60c. per pkg.
- \***Conkey's Canker Special.** An effective remedy. 60c.
- \***Conkey's Cholera Cure.** 30c. and 60c. per pkg.
- \***Conkey's Chicken Pox Remedy.** 30c. and 60c. per pkg.
- \***Conkey's Gape Cure.** For young chicks. 60c. per pkg.
- \***Conkey's Lice Fix.** For destroying mites, lice, etc. 60c.
- Conkey's Lice Killer (Liquid).** For painting roosts, poultry houses, spraying nests and general vermin cleaning, etc. Qt., 60c.; 90c. per ½ gal.; 1 gal., \$1.50.
- Conkey's Lice Powder.** A sure destroyer. 30c., 60c. and \$1.00 per pkg.
- Conkey's Noxi-cide.** A germ destroyer, which will keep the poultry house in a pure, sanitary condition, destroy all germs and drive out the lice and mites. 50c. per pt.; 1 qt., 75c.; \$1.25 for 2 qts.; 1 gal., \$2.00.
- \***Conkey's Roup Cure.** The most widely used of the roup remedies; administered in the drinking water. 30c., 60c. and \$1.20 per box.
- \***Conkey's Scaly Leg Remedy.** A sure cure. 30c. per pkg.
- \***Conkey's White Diarrhoea Cure.** For little chicks; results always satisfactory. 30c. and 60c. per package.
- Death to Lice (Lambert's).** For dusting fowls and nests. The most effective chicken lice exterminator in existence. 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-oz. pkg.
- Death to Lice Ointment.** A salve or ointment used on the heads of newly-hatched chicks. It drives away lice instantly. Easily applied; no mess; no trouble. 10c. and 25c. per box.
- Gape Worm Extractors.** Two styles: Hollowell, made of German silver and horse hair, 15c. each; 25c. for two. Pilling, made entirely of German silver, 25c. each.
- \***Germozone** (Lee's). The standard remedy for the prevention and cure of most every ill that affects poultry, such as roup, cholera, bowel complaint, diarrhoea, sore head, gapes, etc. Germozone's greatest value is in preventing sickness. In tablet form. 75c.
- Lice Expelling Nest Eggs.** These are made of naphthaline and are an ideal substitute for the natural egg, which they closely resemble. 6c. each; per doz., 65c.; \$4.50 per 100.
- \***Oculum.** For cholera, roup and diarrhoea. May be used on chicks and grown fowls with equal success. 50c. and \$1.00 per bottle.
- Persian Insect Powder.** ¼ lb., 30c.; 55c. per ½ lb.; lb., 90c.
- Pratt's Disinfectant.** For spraying poultry houses, stables, etc. It gets rid of lice and mites and keeps poultry houses clean and healthy. 50c. per qt.; ½ gal., 90c.; \$1.50 per gal.
- Pratt's Lice Killer (Liquid).** For spraying nests, roosts, houses, etc. 50c. per qt.; ½ gal., 90c.; \$1.50 per gal.
- Pratt's Lice Powder.** For dusting nests, fowls, chicks, etc. 30c. and 60c. per box.
- \***Pratt's Roup Remedy (Pills).** For roup, canker, catarrh and diphtheria. As a preventative it is unsurpassed. 25c., 50c. and \$1.00 per box.

### TAX NOTICE

All articles prefixed with an asterisk (\*) on pages 168 and 169 are subject to a revenue tax of 1c. for each 25c. in value or fraction thereof, and this tax must be paid by the purchaser.

- Pratt's Sore Head Remedy.** For chicken pox, etc. 25c. and 50c. per box.
- \***Pratt's White Diarrhoea Remedy.** For baby chicks. 25c. and 50c.
- Roup Syringe.** For administering liquid roup remedies in the nostrils or throat. Price, 15c. each.
- Spratt's Dog Soap.** Entirely free from poison, and at the same time most effective in the destruction of lice and fleas. 25c. per cake.
- Sulphur Candles.** Large size, 25c. each; per doz., \$2.50. Small size, 15c. each; per doz., \$1.50.
- Tobacco Dust.** For dusting on roosts, nests, etc., to keep away vermin. 10c. per lb.; 5 lbs. for 35c.; \$1.50 for 25 lbs.; 100 lbs., \$5.25.
- Tobacco Stems.** For making nests, etc. 15c. per lb.; 5 lbs., 35c.; 75c. per bushel; per bbl. bag., \$1.50; in large bales of about 250 lbs., at 2½c. lb.; per ½ ton, \$17.00; \$32.00 per ton.
- \***Whiting's Roupene.** An infallible preventive and sure cure for all cases of roup, canker, diphtheria, chicken pox or sore head, gapes, colds and all diseases of the respiratory organs of fowls or pigeons. Will cure dogs of the sniffles. Price, 50c. and \$1.00 per bottle.
- \***Whiting's White Diarrhoea Remedy.** 50c. and \$1.00 per bottle.
- Zenoleum Lice Powder.** For dusting hens and nests; fine for brooding hens. 35c. per 16-oz. pkg.
- Zenoleum Liquid.** Dilute one part Zenoleum to one hundred parts water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. Zenoleum is a concentrated solution of coal tar. It is mixed with hot or cold water, making a perfect emulsion that requires no boiling or stilling. ½ pt., 35c.; 75c. per qt.; ½ gal., \$1.25; \$2.00 per gal.; 5-gal. can., \$9.00.

## RAT CORN



It mummifies the Rodents, eliminating nauseous odors. It will not kill human beings.

One of the most repulsive scourges humanity has to fight is the rat. He has killed millions of human beings by Bubonic Plague infection. He eats and destroys over \$500,000,000 worth of property in the United

States alone. He is a constant menace and danger to the human race. **RAT CORN** is a sure rodent exterminator, but there is no danger of fatalities, accidents or otherwise, and disagreeable odors are unknown.

The United States Government authorities have started a relentless war on the rat, and all citizens should start at once and co-operate with Federal, State and city departments of health in this great work, as quick action for big and successful results is absolutely necessary at this time.

**Rats Carry Fleas and Fleas Carry the Bubonic Plague.**

It is a recognized fact, acknowledged by scientists throughout the world, that **no rat, no flea; no flea, no plague.** The public must do its full duty at this time and **kill rats by the million**, as has been done elsewhere by the use of **RAT CORN.**

25c., 50c., \$1.00  
(Postpaid).

After Eating Rat Corn  
He Becomes Mummified



**Alphano Inoculant.** A soil bacteria to use in connection with growing legumes. 1-acre size, net wt., 2 lbs., \$1.00; 10-acre size, net wt. 20 lbs., \$8.00.

**Ashes (Canadian Hard Wood).** Apply 1,000 lbs. per acre. For top dressing lawn and grass fields, in early spring or late fall. 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.50 per 200-lb. sack; 1,000 lbs., \$20.00; \$37.50 per ton.

**Ashes (Domestic Hard Wood).** Per 200-lb. barrel, \$3.50; \$16.50 per ½ ton; ton, \$30.00.

**Asparagus Fertilizer (Michell's).** A mixture that promotes the root and top growth. Apply 600 lbs. per acre. 25 lbs. for \$1.25; \$2.00 for 50 lbs.; 100 lbs. for \$3.75; \$6.50 for 200 lbs.; ton, \$55.00.

**Blood (Dried).** For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.50; \$4.50 per 50 lbs.; 100 lbs., \$8.50; \$16.00 per 200 lbs.

**Bone Flour.** Apply 600 lbs. per acre. Very fine, effective almost immediately; can be used for indoor or outdoor purposes. 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00; \$9.50 per 200 lbs.

**Bone Meal (Michell's Special Grade).** Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. 3 lbs., 25c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.25 for 25 lbs.; 50 lbs., \$2.25; \$4.25 per 100 lbs.; 200 lbs., \$8.00; \$37.50 per ½ ton; ton, \$70.00.

**Chrysanthemum Manure (Thomson's Special).** Especially recommended and used by the leading private gardeners of England and America. Per 28-lb. sack, \$4.75; \$8.25 per 56-lb. sack.

**Clay's Fertilizer.** An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. Price on application.

**Climax Lawn Sand.** A unique combination of carefully dried and finely ground chemicals. Destroys weeds in lawns. 3½-lb. can, 60c.; \$1.10 per 7-lb. can; 14-lb. can, \$1.75; \$3.00 per 28-lb. pkg.; 56-lb. pkg., \$4.75; \$9.25 for 112 lbs.

**Cotton Seed Meal.** Apply 600 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer. Price on application.

**Cow or Cattle Manure (Shredded).** Convenient to handle, making it possible for everyone to get this usually scarce article at all times. \$3.25 per 100 lbs.; 500 lbs., \$15.00; \$26.00 per 1,000 lbs.; ton, \$50.00.

**Hay and Pasture Grass Fertilizer (Michell's).** A splendid mixture for top dressing wheat, rye, timothy and grass fields. 25 lbs. for \$1.00; \$1.75 for 50 lbs.; 100 lbs., \$3.25; 200 lbs. for \$6.00; \$27.50 per 1,000 lbs.; per ton, \$52.50.

**Horn Shavings.** Used principally for mixing in potting; especially valuable in chrysanthemum growing. 5 lbs., 75c.; \$1.20 for 10 lbs.; 25 lbs., \$2.25; \$4.00 for 50 lbs.; 100 lbs., \$7.00.

**Humus (Alphano Prepared).** An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with ½ to 2 inches of Humus and spaded in. 5 lbs., 30c.; 50c. for 10 lbs.; 25 lbs. for 75c.; \$2.50 per 100 lbs.; 500 lbs., \$11.25; \$17.50 per 1,000 lbs.; 2,000 lbs., \$30.00. (Special price f. o. b. Alphano, N. J.)

**Kainit.** For top dressing; asparagus beds, etc. Price on application.

**Land Plaster.** Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1,000 to 1,500 lbs. per acre. 40c. for 10 lbs.; 25 lbs., 60c.; \$1.00 for 50 lbs.; 100 lbs., \$1.75; \$3.25 for 200 lbs.; ton, \$25.00.

**Lime (Hydrated or Powdered).** Promotes growth and gives the grass a rich color. Apply one ton per acre on fields, or ½ ton on lawns. Per 125-lb. sack, \$2.50; \$8.00 per 500 lbs.; 1,000 lbs., \$13.00; \$24.00 per ton.

**Limestone (Pulverized).** For applying on sour or wornout soils at the rate of 1 ton per acre. Put up in 100-lb. bags, \$1.75 per bag; 500 lbs., \$6.50; \$11.00 per 1,000 lbs.; ton, \$20.00.

**Limoid.** Made from pure lump lime, thoroughly hydrated. 10-lb. pkg., 40c.

**Manure (Fresh Horse, Stockyard and Cow).** At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices on request.

**Mulford's Culture.** For inoculating Clovers and other legumes. When ordering, please state for what crop you desire to use it. Trial size for beans and peas, 25c. Garden size (¼ acre), 50c.; 1-acre size, \$1.50; 5-acre size, \$5.00. See page 41.

**Muriate of Potash.** Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent. actual potash. Price on application.

**Nitrate of Soda.** Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 1 lb., 20c.; 75c. per 5 lbs.; 10 lbs., \$1.30; \$2.50 per 25-lb. bag; 50-lb. bag, \$4.25; \$7.50 per 100 lbs.

**Phosphate for Corn (Michell's).** Apply 600 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of corn. 25 lbs. for \$1.00; \$1.75 for 50 lbs.; 100 lbs. for \$3.25; \$5.50 for 200 lbs.; per ½ ton, \$26.00; \$50.00 per ton.

**Phosphate, High-Grade Acid Tennessee or South Carolina Rock.** 14 per cent. Apply 1,000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, \$3.75; \$16.50 per ½ ton; per ton, \$33.00.

**Phosphate, Michell's High-Grade Ammoniated.** For all vegetable crops, grains, grass, etc. Apply 500 to 600 lbs. per acre broadcast. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.25; \$6.00 per 200 lbs.; ton, \$52.50.

**Phosphate (Thomas' Basic Slag).** Used extensively for top dressing lawn, grass and grain lands; contains the proper elements to produce a rich luxuriant growth; apply 600 to 800 lbs. per acre. In 200-lb. bags only. \$4.50 per bag; 1,000 lbs. for \$22.00; \$40.00 per ton.

**Plant Food.** A highly concentrated chemical fertilizer for house use. Michell's, 15c. per 6-oz. pkg. Bowker's, 4-oz. pkgs., 20c.; 30c. per 12-oz. pkg. Allow for postage if wanted by mail.

**Potato Manure (Michell's).** Apply at the rate of from 400 to 600 lbs. per acre. 25 lbs., \$1.50; \$2.25 per 50 lbs.; per 100 lbs., \$3.75; \$7.00 per 200 lbs.; per ½ ton, \$32.50; \$62.50 per ton.

**Poudrette (Native Guano).** Apply 1,000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. 25 lbs., \$1.25; \$1.75 per 50 lbs.; 100 lbs., \$2.75; \$4.25 per 200 lbs.; 1,000 lbs., \$20.00; \$35.00 per ton.

**Salt.** For asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. per acre in early spring. 25 lbs. for 75c.; \$1.25 for 50 lbs.; \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$27.50 per ton.

**Sheep Manure (Wizard Brand).** Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. 2 lbs., 20c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.00 per 25 lbs.; 50 lbs., \$1.75; \$3.25 per 100 lbs.; 500 lbs., \$15.00; \$26.00 per 1,000 lbs.; per ton, \$50.00.

**Soot (Imported Scotch).** This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Price on application.

**Sulphate of Ammonia.** Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. Price on application.

**Sulphate of Potash.** Apply 100 to 125 lbs. per acre, usually with other fertilizers. Price on application.

**Tankage.** For roses, etc., under glass; similar to dried blood. \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$6.50 per 200 lbs.; ton, \$60.00.

**Thomson's Special Flower, Vegetable and Vine Manure** is extensively used wherever it is desired to force flowers or vegetables. 28 lbs., \$3.75; \$7.00 per 56 lbs.; 112 lbs., \$12.50.

**Tobacco Stems.** For fumigating, mulching and fertilizing; an excellent top dressing for lawns in winter. 40c. for 5 lbs.; \$1.00 per bu.; per bbl. sack, \$1.75; in large bales, at 2½c. per lb.; \$17.00 per ½ ton; per ton, \$32.00.

**Wheat Fertilizer (Michell's).** For grass and grain crops. Apply 600 lbs. per acre. 25 lbs. for \$1.00; \$1.50 for 50 lbs.; 100 lbs., \$2.75; \$5.00 for 200 lbs.; ½ ton, \$21.50; \$40.00 per ton.

# Wizard Brand Manures (Free From Weeds) 171



## WIZARD BRAND PULVERIZED SHEEP MANURE

One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. Pulverized Sheep Manure acts quickly and for the garden, lawn or greenhouse nothing surpasses it; it is clean, and easily handled, besides giving immediate results.

### PRICES

2 lbs.....	\$0.20	100 lbs.....	\$3.25
5 lbs.....	.35	500 lbs.....	15.00
10 lbs.....	.60	1000 lbs.....	26.00
25 lbs.....	1.00	2000 lbs.....	50.00
50 lbs.....	1.75		

## WIZARD BRAND CATTLE OR COW MANURE

This is carefully selected manure taken from brick-paved cattle pens at western stock yards, where the highest quality of cattle manure is available in large quantities. It is kept entirely separate from other manures and is reduced by the Wizard Brand process of direct heat drying and screening, and is packed in coarse, shredded form, and in finely pulverized form.

Shredded Cattle Manure is slower acting and is especially suited for soil mixing, mulching and liquid manuring.

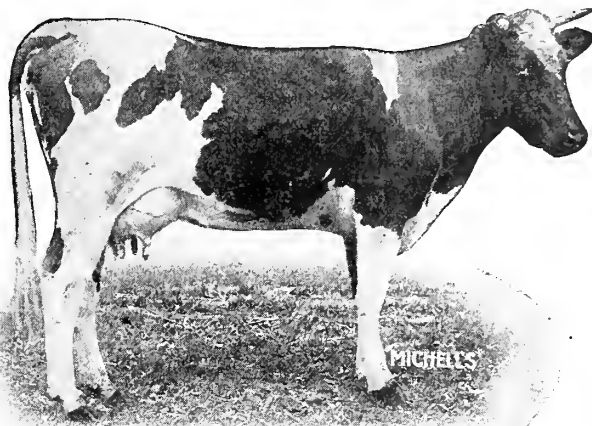
Pulverized Cattle Manure is more quick in action and especially desirable for pot plants, etc.

### SHREDDED COW OR CATTLE MANURE

100 lbs.....	\$3.25	1000 lbs.....	\$26.00
500 lbs.....	15.00	2000 lbs.....	50.00

### WIZARD PULVERIZED COW OR CATTLE MANURE

100 lbs.....	\$3.25	1000 lbs.....	\$26.00
500 lbs.....	15.00	2000 lbs.....	50.00



## POUDRETTE (Native Guano)

### The Marvelous Fertilizer For Vegetables, Flowers, Grass and Grain

This is undoubtedly the lowest-priced fertilizer in existence, considering its great value for producing large, quick crops. It is a natural fertilizer, containing no chemicals. Valuable for top dressing lawns, fields or for using in connection with planting potatoes, vegetable, flower or grass seeds, or, in fact, wherever a good, quick acting fertilizer is wanted. It should be applied broadcast (as it will not go through a drill) at the rate of 1000 lbs. per acre. It is available the first season and cannot burn, no matter how much is applied. It is odorless, easily handled and keeps indefinitely; cannot introduce weeds into the lawn or garden; there is nothing that will act quicker or give better and more lasting results than Poudrette. Market gardeners and vegetable growers, as well as those who want to grow fine flowers, will find this an A-1 all-around fertilizer.

### PRICES

25 lbs.....	\$1.25	200 lbs.....	\$4.25
50 lbs.....	1.75	1000 lbs.....	20.00
100 lbs.....	2.75	2000 lbs. (1 ton).....	35.00

## BONE MEAL

### MICHELL'S SPECIAL GRADE

Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts.

### PRICES:

3 lbs.....	\$0.25	100 lbs.....	\$4.25
5 lbs.....	.35	200 lbs.....	8.00
10 lbs.....	.60	1000 lbs.....	37.50
25 lbs.....	1.25	2000 lbs.....	70.00
50 lbs.....	2.25		



# HEADQUARTERS FOR INSECT DESTROYERS, ETC.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE, OR WE SHALL BE PLEASED TO GIVE INFORMATION BY MAIL OR OTHERWISE.

- Ant Exterminator (Magic).** Per ¼ lb., 20c.; 40c. per ½ lb.; lb., 75c.; \$3.00 per 5 lbs.
- Ant Exterminator (Zenke's).** An effective liquid form of this important insecticide. 8 oz., 25c.; 85c. per qt.; ½ gal., \$1.75; \$3.50 per gal.
- Aphine.** ¼ pt., 25c.; 40c. per ½ pt.; per pt., 65c.; \$1.00 per qt.; gal., \$3.00.
- Aphis Punk.** Per pkg., 85c.; \$7.00 per 12 pkgs.
- Arsenate of Lead (Paste).** Per lb., 40c.; \$1.65 per 5 lbs.; 10 lbs., \$3.00; per 25 lbs., \$6.00; 50 lbs., \$10.50; \$19.50 per 100 lbs.
- Arsenate of Lead (Powdered).** Per lb., 55c.; \$2.65 per 5 lbs.; 10 lbs., \$5.00; \$10.50 per 25 lbs.; 50 lbs., \$20.00; \$37.50 per 100 lbs.
- Black Leaf 40.** Per 1-oz. bottle, 25c.; \$1.00 per ½ lb.; 2 lbs., \$3.25; \$13.75 per 10 lbs.
- Bordeaux Arsenate.** Per lb., 40c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$6.00 per 25 lbs.; 50 lbs., \$10.00; \$18.50 per 100 lbs.
- Bordeaux Mixture (Dry Form).** Per lb., 30c.; \$1.25 per 5 lbs.; 10 lbs., \$2.00.
- Bordeaux Mixture (Paste Form).** This we offer in 5-gal. kegs only. Price, \$7.25.
- Boro Wax.** Per qt., 40c.; 75c. per ½ gal.; gal., \$1.25.
- Bug Death.** Per lb., 20c.; 50c. per 3 lbs.; 5 lbs., 75c.; \$1.65 per 12½ lbs.; 100 lbs., \$8.50.
- Carbolineum (Arvenarius).** (Now called Protexol.) Per gal., \$1.50; \$7.00 per 5 gals.
- Copper Solution.** Per qt., \$1.25; \$3.50 per gal.
- Cyanegg.** For making hydrocyanic acid gas. Per lb., 85c.
- Dalmatian or Persian Powder.** Per ¼ lb., 30c.; 55c. per ½ lb.; lb., 90c.; \$4.00 per 5 lbs.
- Fir Tree Oil Soap.** Per ½ lb., 35c.; \$1.00 per 2-lb. can.
- Fish Oil Soap (Good's Caustic).** Per lb., 35c.; \$1.50 per 5 lbs.; 25 lbs., \$5.50.
- Fish Oil Soap.** Per ½ lb., 15c.; 25c. per lb.; 5 lbs., \$1.00; \$1.80 per 10 lbs.; 25 lbs., \$4.00; \$11.00 per 100 lbs.
- Fungicide (Zenke's).** For various forms of fungus. Per 8 oz., 25c.; 85c. per qt.; ½ gal., \$1.75; \$3.50 per gal.
- Fungine.** Per ½ pt., 40c.; 65c. per pt.; qt., \$1.00; \$3.00 per gal.
- Getz-There Soap.** Per 2 lbs., 60c.; \$1.75 per 8 lbs.; 50 lbs., \$7.00.
- Grape Dust.** Per 5 lbs., \$1.00; \$1.85 per 10 lbs.
- Hellebore.** Per ¼ lb., 25c.; 40c. per ½ lb.; lb., 70c.; \$3.00 per 5 lbs.
- Imp Soap Spray.** 65c. per pt.; per qt., 85c.; \$2.75 per gallon; 5 gals., \$12.00; \$22.50 per 10 gallons.
- Insecticide (Zenke's General Greenhouse).** For the destruction and control of many pests. Per 8 oz., 25c.; 85c. per qt.; ½ gal., \$1.00; \$1.75 per gal.
- IXL Compound.** Per gal., \$6.00; \$27.50 for 5 gals.
- Kerosene Emulsion (Liquid).** 70c. per qt.; per gal., \$1.75.
- Lemon Oil Insecticide.** Per ½ pt., 30c.; 50c. per pt.; qt., 90c.; \$1.50 per ½ gal.; gal., \$2.50; \$10.50 per 5-gal. keg.
- Lime Sulphur.** Per qt., 45c.; 75c. per ½ gal.; gal., \$1.25; \$4.00 per 5 gals.; 30-gal. bbls., 35c. gal.; 50-gal. bbls., 30c. gal.
- Lime Sulphur (Dry Powder Form).** Per lb., 35c.; \$1.50 per 5 lbs.; 10 lbs., \$2.00; \$4.00 per 25 lbs.; 100 lbs., \$12.50.
- Mo Lo.** A preparation for ridding gardens and lawns of moles and field mice. Pkg., 25c.
- Nico-Fume (Liquid).** ¼ lb., 65c.; \$2.00 per lb.; 4 lbs., \$7.50; \$14.50 per 8 lbs.
- Nico-Fume Paper.** Per box, 24 sheets, \$1.25; \$5.00 per 144 sheets; 288 sheets, \$9.50.
- Nikoteen.** Per oz., 40c.; 60c. per 1¾ oz.; 8 oz., \$1.25; \$2.25 per pt., per ½ gal. (4 lbs.), \$7.50; per gal. (8 lbs.), \$13.50.
- Paris Green.** Per ¼ lb., 25c.; 40c. per ½ lb.; lb., 70c.; \$1.40 per 2 lbs.; 5 lbs., \$3.40; \$8.00 per 14 lbs.
- Protexol (See Carbolineum).** For preserving wood, etc.
- Pyrox (Bowker's).** Per lb., 45c.; \$1.75 per 5 lbs.; 10 lbs., \$3.00; \$6.25 per 25 lbs.; 50 lbs., \$11.00; \$20.00 per 100 lbs.; 300 lbs., \$57.00.
- Rat Corn.** For destroying rats and mice. 25c., 50c. and \$1.00 per box.
- Readeana Rose Bug Exterminator.** Trial bottle, 30c.; 50c. per 8 ozs.; 24 ozs., \$1.00; \$4.00 per gal.
- Scalecid.** Per qt., 70c.; \$1.85 per gal.; 5 gals., \$7.25; \$12.50 per 10 gals.; 30-gal. bbl., \$31.00; \$46.00 per 50 gal.
- Scale Destroyer (Soluble Oil).** Qt., 60c.; 85c. per ½ gal.; gal., \$1.50; \$6.25 per 5 gals.
- Shoo Fly.** Per qt., 45c.; \$1.25 per gal.
- Slug Shot.** Per lb. canister, 20c.; 60c. per 5 lbs.; 10 lbs., \$1.00; \$2.35 per 25 lbs.; 100 lbs., \$8.75. Barrel lots in bulk (250 lbs.), \$1½ c. lb.
- Sulco-V. B.** Will control San Jose and other scale insects, and many species of plant lice and fungus disease. Pt., 40c.; 75c. per qt.; ½ gal., \$1.35; \$2.50 per gal.; 5 gals., \$8.50; \$15.00 per 10 gals.; ½ bbl. (about 30 gals.), \$1.00 per gal.; bbl. (about 50 gals.), 90c. per gal.
- Sulphate of Copper.** Per lb., 25c.; \$2.00 per 10 lbs.
- Sulphur Candles.** Large: 25c. each; per doz., \$2.50. Small: 15c. each; per doz., \$1.50.
- Sulphur (Flowers).** Per lb., 15c.; 60c. per 5 lbs.; 10 lbs., \$1.15; \$2.25 per 25 lbs.; 100 lbs., \$8.00.
- Sulpho Tobacco Soap.** Per 3-oz. pkg., 15c.; 25c. per 6-oz. pkg.
- Tobacco Dust (Special Dusting or Fumigating).** 15c. per lb.; 5 lbs., 35c.; 65c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.25.
- Tobacco Soap (Sulpho).** 3 ozs., 15c.; 25c. per 6 ozs.
- Tobacco Stems.** Per lb., 15c.; 40c. per 5 lbs.; bushel, \$1.00; \$1.75 per bbl. sack; large bales at 2½c. per lb.; ½-ton, \$17.00; \$32.00 per ton.
- Thrip Juice (Hammond's No. 2).** Pt., 85c.; \$1.50 per qt.; gal., \$4.00.
- Tree Tanglefoot.** Per lb., 50c.; \$1.45 per 3-lb. can.; 10 lbs., \$4.50; \$8.75 per 20 lbs.; 25 lbs., \$10.50.
- Vermine.** A soil sterilizer and germicide; will destroy worms, maggots, etc. Per ¼ pt., 25c.; 40c. per ½ pt.; pt., 65c.; \$1.00 per qt.; gal., \$3.00.
- Worm Destroyer (Michell's Brand).** For using in gardens, on lawns, etc. (Price on application.)
- Worm Destroyer (Carter's Brand).** F. o. b. Philadelphia: Per 100 lbs., \$12.00; \$110.00 per 1000 lbs.; ton, \$210.00. F. o. b. Boston: Per 100 lbs., \$10.50; \$200.00 per ton.
- Worm Eradicator (Reade's Electric).** 8 ozs., 50c.; \$1.00 per 24 ozs.; gal., \$4.00.
- Zenke's Insecticide.** (See Insecticide).
- Zenotenn.** ½ pt., 35c.; 75c. per qt.; ½ gal., \$1.25; \$2.00 per gal.; 5-gal. can, \$9.50.



## CARBONDALE HYDROMETERS

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution. One should be in the hands of every man who uses this material. Price, \$1.25. (Postpaid, \$1.35.) With directions.

LAMPS for vaporizing nicotine solutions, 80c. each.

# MICHELL'S FLOWER POTS, TUBS, ETC.

Orchid Pan    Earthen Fern Pan    Fern Dish Liner    Seed Pan    Wood Fibre Flower Vase



Cedar Tub    Keystone Tub    Earthen Flower Pot    Azalea Pot    Earthen Bulb Pan    Earthenware Saucer    Wood Fibre Saucer    Rolling Stand

### CEDAR TUBS

Equipped with Strong Iron Handles  
These are made by hand, of the very best white cedar painted green, bound with black iron hoops.

No.	Inside Diam.	Depth	Each
No. 0	24 3/4 in.	12	\$12.00
No. 1	23 3/8 "	10	10.75
No. 2	21 3/8 "	8	9.75
No. 3	18 11-16 "	8	8.00
No. 4	16 1/2 "	7	7.00
No. 5	14 7-16 "	6	6.00
No. 6	12 7-16 "	5	5.00
No. 7	11 3/4 "	4	4.25
No. 8	10 11-16 "	3	3.75

### MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 25c. per pair, not attached to tub.

No.	Inside Diam.	Depth	Each
No. 1	6 in.	6 in.	\$0.80
No. 2	7 "	7 "	.85
No. 3	8 "	8 "	.95
No. 4	9 "	9 "	1.00
No. 5	10 "	9 "	1.15
No. 6	11 "	10 "	1.40
No. 7	12 "	11 "	1.75
No. 8	13 "	12 "	2.15
No. 9	14 "	13 "	2.50
No. 10	15 "	14 "	2.75
No. 11	16 "	15 "	3.00
No. 12	17 "	16 "	3.65
No. 13	18 "	17 "	4.40
No. 14	19 "	18 "	5.25

### ROLLING STANDS for Tubs, Pots, etc.

In.	Weight	Pot	Tub	Each
12 in.	2 lbs.	10 in.		\$1.00
14 "	2 1/2 lbs.	12 "	No. 8	1.25
16 "	3 lbs.	14 "	" 8	1.67
18 "	3 1/2 lbs.	16 "	" 7-6	2.00
20 "			" 5	2.50
22 "			" 4	3.00

### PAPER FLOWER POTS

Diam.	Depth	Parcel Post	Weight	per doz.	per 100.	1000
2 1/4	3 ozs.	2 lbs.	\$0.12	\$0.60	\$4.50	
2 1/2	3 "	2 "	.15	.70	4.75	
3	5 "	2 "	.18	.85	7.00	
3 1/2	7 "	3 "	.20	1.15	9.00	
4	8 "	4 "	.25	1.30	10.50	
5	15 "	7 "	.40	2.00	17.50	
6	2 lbs.	11 "	.50	2.75	25.00	

### AZALEA POTS

Diam.	Depth	Each	Doz.	100
5 in.	4 1/2 in.	\$0.09	\$0.87	\$5.76
6 "	5 "	.14	1.30	8.64
7 "	6 "	.23	2.16	14.40
8 "	7 "	.33	3.12	20.80
9 "	7 1/2 "	.50	4.80	32.00
10 "	8 "	.68	6.48	43.20
12 "	10 "	1.38	13.20	88.00

### FERN DISH LINERS

Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1 7/8 in.	\$0.22	\$2.16	\$14.40

### SEED PANS (Earthenware)

	Each	Doz.	100
6 inches square	\$1.25	\$12.00	
8 "	1.68	16.08	
10 "	2.10	20.16	
12 "	2.50	24.00	

### EARTHEN BULB PANS

	Each	Doz.	100
6 inches diam.	\$0.14	\$1.30	\$8.64
7 "	.23	2.16	14.40
8 "	.33	3.12	20.80
9 "	.50	4.80	32.00
10 "	.68	6.48	43.20
12 "	1.38	13.20	88.00
14 "	2.25	21.60	144.00

### WOOD FIBRE FLOWER VASES

No.	Diam.	Depth	Weight	Each
0	8 in.	13 in.	4 lbs.	\$1.75
1	5 1/2 "	10 "	2 1/2 "	1.39
2	4 1/2 "	9 "	1 1/2 "	1.22
3	4 "	6 "	1 1/2 "	1.01
4	3 "	4 1/2 "	3/4 "	.79
00	9 "	21 "	6 "	6.09
11	5 "	18 "	4 "	1.89
22	4 1/2 "	15 "	2 "	1.45
33	4 "	12 "	2 "	1.22
44	3 "	9 "	1 "	1.01

### VASES—Ideal Cut Flower (Galvanized)

No.	Depth	Diam.	Each
No. 1	6 1/2 in.	6 in.	\$0.75
No. 2	9 1/4 "	8 "	.90
No. 3	9 "	7 3/4 "	.90
No. 4	12 "	9 1/4 "	1.10
No. 5	9 "	5 1/2 "	.95
No. 6	11 "	7 "	1.00
No. 7	13 3/4 "	8 1/4 "	1.20
No. 8	19 "	7 3/8 "	1.50

### EARTHEN FLOWER POTS

Height and Width inside	Each	Doz.	100	1000
1 inch	\$0.03	\$0.22	\$1.44	\$13.50
2 "	.02	.18	1.20	11.25
2 1/4 "	.03	.21	1.36	12.75
2 1/2 "	.03	.24	1.60	15.00
3 "	.04	.32	2.08	19.50
3 1/2 "	.04	.39	2.56	24.00
4 "	.05	.48	3.20	30.00
4 1/2 "	.07	.65	4.32	40.50
5 "	.09	.87	5.76	54.00
5 1/2 "	.12	1.08	7.20	67.50
6 "	.14	1.30	8.64	81.00
6 1/2 "	.18	1.73	11.52	108.00
7 "	.23	2.16	14.40	
8 "	.33	3.12	20.80	
9 "	.50	4.80	32.00	
10 "	.68	6.48	43.20	
11 "	1.00	9.60	64.00	
12 "	1.38	13.20	88.00	
14 "	2.25	21.60	144.00	

### EUREKA POT HANGERS

15c. each; doz., \$1.50; \$10.00 per 100.

### KRICK POT HANGERS

No.	Each	Doz.
No. 1	\$0.05	\$0.50
No. 2	.06	.60
No. 3	.07	.70

### WOODEN ORCHID BASKETS (Square)

	Each	Doz.
4 inch	\$0.40	\$4.50
10 "	.70	7.00
12 "	.80	9.00

### ORCHID PANS (Round) (Earthen)

	Each	Doz.
4 inches diam.	\$0.20	\$2.00
6 "	.30	3.25
8 "	.40	4.25
10 "	.65	7.25
12 "	1.00	11.00

### EARTHEN FERN PANS

Width	Height	Each	Doz.	100
4 in.	1 7/8 in.	\$0.08	\$0.72	\$4.80
4 3/4 "	2 1/8 "	.10	.96	6.40
5 1/2 "	2 3/4 "	.13	1.20	8.00
6 1/4 "	2 1/2 "	.15	1.44	9.60
7 "	2 3/8 "	.18	1.68	11.20
8 "	3 3/8 "	.25	2.40	16.00
9 "	3 1/4 "	.30	2.88	19.20

### EARTHENWARE SAUCERS

	Each	Doz.	100
4 inches	\$0.04	\$0.36	\$2.40
5 "	.05	.48	3.20
6 "	.08	.72	4.80
7 "	.10	.96	6.40
8 "	.14	1.32	8.80
9 "	.19	1.80	12.00
10 "	.22	2.16	14.40
11 "	.28	2.64	17.60
12 "	.34	3.24	21.60
14 "	.56	5.40	36.00

### WOOD FIBRE SAUCERS

Extremely desirable on account of being absolutely waterproof.

	Parcel Post Weight	Each	Each	Doz.
5 inches	1/4 lb.	\$0.33	\$3.00	\$3.00
6 "	1/4 "	.35	.35	4.00
7 "	1/2 "	.37	.37	4.27
8 "	1/2 "	.39	.39	4.50
9 "	3/4 "	.43	.43	4.94
10 "	3/4 "	.46	.46	5.32
12 "	1 1/4 lbs.	.55	.55	6.27
14 "	1 1/2 "	.70	.70	7.98
16 "	2 "	1.25	1.25	14.25
18 "	2 1/2 "	1.50	1.50	17.10

Larger sizes can be furnished as complete rolling stands only.

NOTE.—Earthenware cannot be packed for shipment by Parcel Post.

# THE GREAT LABOR SAVER MICHELL'S FAIRMOUNT WEED KILLER

**KILLS WEEDS SCIENTIFICALLY**

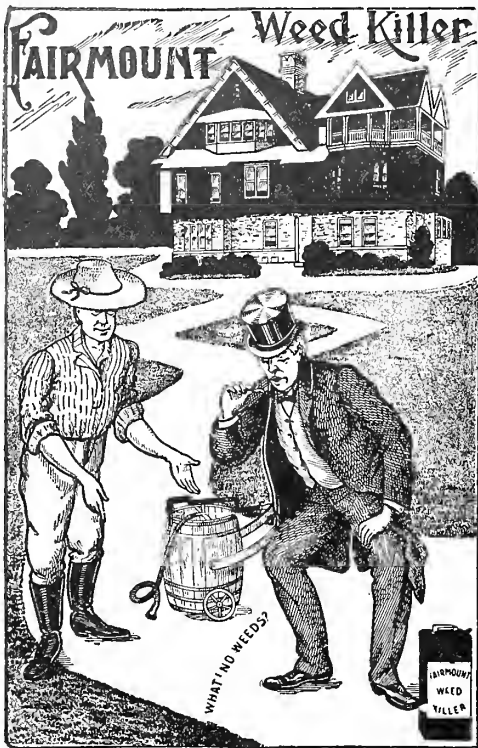
The disposition of weeds has always been to the person having this end of the gardening in hand, a source of continual worry and work. Fairmount Weed Killer will save you the expense of several men. This excellent remedy for destroying weeds is every year proving itself more valuable. It is used to greatest of advantage in keeping free from weeds, walks, drives and roadways. The labor involved is very slight. Highly endorsed by leading Park and Cemetery Superintendents, also by Steam and Electric Railroads for keeping roadbeds free from growth of weeds and grass.

**REMEMBER:**—Fairmount Weed Killer is not intended for sprinkling grass-plots or lawn and other places, where plants grow, as it kills all growth of plant life it comes in contact with. It is for killing weeds and other such growth only.

### HOW TO USE FAIRMOUNT WEED KILLER:

Make the dilution as given below, and stir thoroughly; apply with a watering can, with a good coarse rose. Care should be used to rinse pot or other article of metal with which it comes in contact, to prevent corrosion. Apply after a rainstorm or shower. It has been known that one or two applications have lasted an entire season. A gallon will make 50 gallons of treating liquid for space of 150 square yards.

DILUTION		PRICE	
½ gallon makes	25 gallons liquid.	Per ½ gallon,	\$0.90
1 gallon makes	50 gallons liquid.	Per gallon,	1.50
5 gallons makes	250 gallons liquid.	Per 5 gallons,	6.25
10 gallons makes	500 gallons liquid.	Per 10 gallons,	11.50
50 gallons makes	2500 gallons liquid.	Per 50-gal. bbl.,	\$45.00



## THE KIRKE SYSTEM of INSECTICIDE and Fertilizer Application

Keeps your lawn green and your plants in flourishing condition, without unnecessary labor, dirt and trouble

The "Kirke System" consists of a handsome nickel-plated metal "gun" or cartridge holder, which screws on the end of any garden hose, and a variety of standard lawn and garden insecticides, fungicides, fertilizers and plant foods, put up in the form of a compressed cake or cartridge. To use it, it is only necessary to insert a cartridge of the desired kind into the holder, screw the holder to the end of the garden hose and turn on the water. The water passing through dissolves the cartridge, and its ingredients are deposited evenly upon the lawn, shrubbery or garden.

It is only necessary to see and use this system in order to realize that its introduction revolutionizes and makes simple, easy and even pleasant the work of properly caring for a lawn or garden.

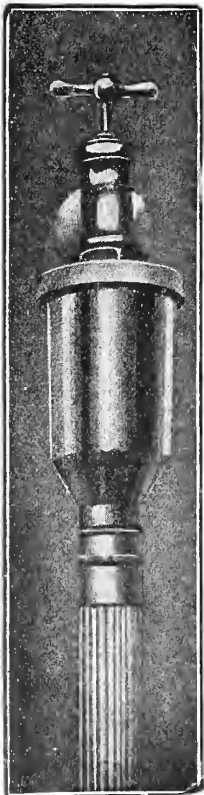
For fertilizing, the fertilizer cartridge, which is a highly concentrated product, containing the equal of 50 lbs. of stable manure is used, and the work is done while you water the lawn. It eliminates the most laborious and distasteful part of lawn culture, also the unsightliness, impurities and weed seeds always present when stable manure is used.

Besides the fertilizer, cartridges of Nicotine and other insecticides and fungicides are furnished with which practically all necessary spraying of lawns, shrubbery and gardens can be done effectively and more easily than by any other method.

The metal cartridge holder is substantially constructed, contains no valves or moving parts of any kind, and will last a lifetime. Its use requires no experience. With it any child who can hold a garden hose nozzle can care for the lawn, shrubbery and garden.

### PRICES:

	Each.	Doz.
"Kirke Feeder" .....	\$3.00	.....
"Kirke Fertilizer Cartridge".....	.20	\$2.00
"Kirke Nicotine" Cartridge .....	.35	3.75
"Kirke Arsenate of Lead" Cartridge ....	.50	5.75
"Kirke Bordeaux Mixture" Cartridge...	.25	2.15
"Kirke Salt" Cartridge .....	.15	1.20
"Kirke Angeworm Destroyer" Cartridge	.80	9.00



Showing how the Kirke Fertilizer and Insecticide Cartridge holder is attached to the spigot.

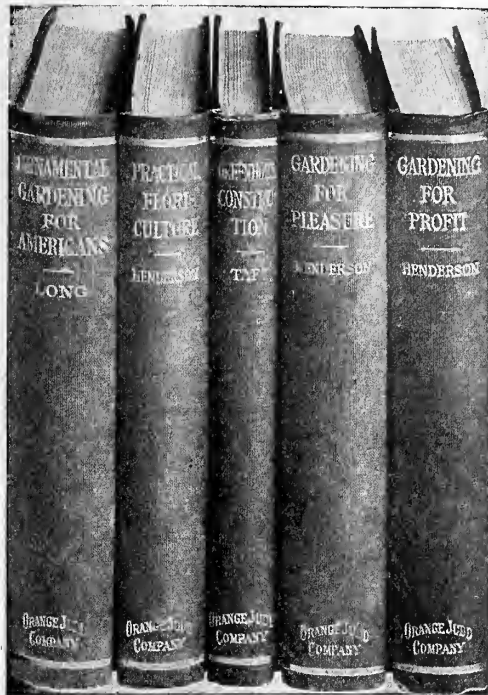


Showing the Kirke Cartridge holder for fertilizing or insecticide purposes in lawn work.

### BOOKS ON GARDENING

The pleasures of gardening are materially increased with the aid of a good book on the subject. On page 175 of this catalog is offered a comprehensive list of them, which cover almost every phase of gardening. Add a few copies to your library.





A good book, as all know, is a help in doing any kind of work or play. Our selection is up-to-date at all times, and we are, in addition, glad to get books on other subjects not offered here.

## A NEW WORK ENCYCLOPEDIA OF PRACTICAL HORTICULTURE

A splendid work in four volumes, well illustrated; written in plain every day language. Price for four volumes, cloth bound, \$24.00.

## BOOKS ON FLOWERS, VEGETABLES, ETC.

Alfalfa Growing (F. D. Coburn).....	\$0.80
Agriculture, The Principles of (Bailey). A text-book.....	1.50
Asparagus (Hexamer). Its culture for home, for market.....	.75
Berry Book (Biggle).....	.75
Botany (Wright). Cloth.....	.75
Bulbs and Tuberous Rooted Plants (Allen).....	1.75
Cabbage, Cauliflower and Allied Vegetables (Allen).....	.75
Canning and Preserving. My Mrs. S. S. Rorer.....	.75
Commercial Carnation Culture. An up-to-date book.....	1.65
Chrysanthemum Manual (Smith). A complete guide.....	.60
Daffodils and Narcissus (Kirby).....	1.50
Farm and Garden Rule Book (Bailey).....	2.00
Farmers' Account Book (G. A. Boehne). Very practical and of great value.....	3.00
Farming (Practical) (Massy).....	1.75
Fertilizers (Gregory). How to Make and When to Use.....	.75
Flowers, How to Grow Them (Rexford).....	.75
Forcing Book (Bailey).....	1.75
Four Seasons in the Garden (Rexford). Profusely illus.....	1.75
Fruit Culturist, American (Thomas).....	3.00
Fruit Garden (Barry).....	2.00
Fruits and Vegetables Under Glass.....	3.65
Garden Book (The practical) (Hunn and Bailey).....	1.25
Garden Guide. A complete treatise on the garden. Cloth, \$1.10; Paper, 85c.....	
Garden-Making (Bailey). Tells how to utilize grounds.....	1.75
Garden Primer. A heap of practical suggestions.....	1.50
Gardening for Pleasure. A guide to the amateur in the fruit, flower and vegetable garden.....	1.75
Gardening for Profit. On vegetable gardening.....	1.75
Grape Culturist (Fuller). Best work on the hardy grape.....	1.75
Greenhouse Construction (Taft).....	2.00
Greenhouse Management (Taft).....	2.00
Handbook of Plants (Hendersson). A dictionary on plants.....	3.25
Hardy Garden Book (Ely).....	1.75
Home Floriculture (Rexford). A guide for the amateur.....	1.50
Home Fruit Grower. Cloth, \$1.65; Paper, \$1.10.....	
How to Grow Roses (Robert Pyle).....	1.25
How to Grow Vegetables. A practical hand-book and planting table for the home garden.....	1.75

## BOOKS ON FLOWERS, VEGETABLES, ETC. (Continued)

How to Plan the Home Grounds (Parsons).....	\$1.25
Johnson's Gardeners' Dictionary.....	6.50
Landscape Gardening (Practical) (By Robt. B. Cridland).....	1.75
Landscape Gardening (Maynard).....	1.75
Lawns (By Barron).....	1.25
Milady's House Plants. Cloth, \$1.10; Paper, 85c.....	
Mushroom Culture (Robinson). An English work.....	.75
Mushrooms, How to Grow (Falcouer).....	1.50
Onion Culture, The New (Greiner).....	.75
Orchard Book (Biggle).....	.75
Ornamental Gardening (Long).....	2.00
Plant Culture.....	1.65
Plant Propagation. Cloth.....	2.00
Practical Book of Outdoor Rose Growing (Thomas).....	4.00
Practical Floriculture (Hendersson).....	1.75
Principles and Practice of Pruning (Kains).....	2.00
Principles of Fruit Growing (Bailey).....	2.00
Potato Culture (Rogers).....	.80
Pruning Book (Bailey).....	2.50
Peanut Culture (Jones).....	.50
Rhubarb Culture (Morse).....	.75
Right Use of Lime in Soil Improvement (Agee).....	1.25
Rose Culture (Ellwanger). A standard book on Roses.....	1.50
Scented Garden Book (Burbridge).....	1.50
Small Fruit Culturist (Fuller).....	1.50
Spraying Crops (Weed).....	.75
Strawberry Culture (Fuller). Contains all information.....	.40
Sweet Pea Culture (Michell). Free with orders.....	
Sweet Peas for Profit.....	1.65
Sweet Potato Culture (Fitz).....	.75
Soils (By Burkett).....	1.50
The Spraying of Plants. Gives the principles and practice of the application of liquids and powders to plants for destroying insects and fungi. By Lodermann.....	1.50
The Small Country Place (Maynard). Well illustrated.....	1.75
Tomato Culture.....	.75
Vegetable Forcing (Watt).....	2.00
Vegetable Gardening (Bailey).....	1.75
Vegetable Gardening (Watt's).....	2.00
Vines and How to Grow them (All kinds).....	1.50
Violet Culture (By Galloway).....	1.65
Violet Culture (Saltford).....	.35
Water Gardens (How to make) (Bissett).....	2.65
Wild Garden Book (Fitzherbert).....	1.25
Wild Flowers (Lounsbury).....	2.00
Winter Garden Book (Fish).....	1.25

## BOOKS ON POULTRY AND ANIMALS

A. B. C. of Bee Culture (Root).....	\$3.00
Artificial Incubating and Brooding. 96 pages, illustrated..	.75
Asiatics, Brahmas, Cochins and Langshans, The. 100 pages	.75
Bantam Fowl, The. By McGrew. 72 pages.....	.75
Chickens, All About (Johnson). Cloth, 50c.; Paper, 25c.	
Chick Book, The. Tells how to obtain good hatches. 80 pages	.75
Diseases of Poultry (Salmon).....	.75
Dog, The (Maxtee). Cloth, 50c.; Paper, 25c.....	
Ducks and Geese. Give all details. 104 pages.....	.75
Eggs and Egg Farms. The lengthy chapters on pedigree breeding will be found invaluable to breeders of all strains	.75
Egg Record and Account Book. 32 pages.....	.30
200 Eggs per Year per Hen.....	.75
Leghorns. The best mating schemes clearly described.....	1.10
Minorcas (Northrup).....	.75
Money in Squabs (Howard).....	.75
Orpingtons. The.....	.75
Plymouth Rocks, The. Barred, Buff and White. Specialists describe mating and breeding methods. 160 pages.....	1.10
Poultry Houses and Fixtures, 96 pages.....	.75
Poultry Production (Lippincott).....	2.00
Profits in Poultry.....	1.10
Reliable Poultry Remedies.....	.35
Rhode Island Reds (Hale).....	.75
Squab Book (Practical).....	.75
Squab Book (Howard).....	.75
Standard of Perfection. Explains all the scoring points.....	2.00
Successful Poultry Keeping. Contains complete and practical, reliable information on the subject. 176 pages, illustrated	1.00
Turkeys. Every detail of the business explained. 96 pages	.75
Winter Eggs (How to Get Them) (Robinson).....	.75
Wyandottes, The (Grevendstedt). All strains. 160 pages.....	1.00

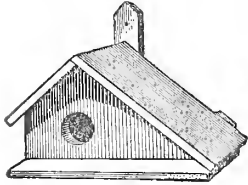
## MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you. Just say, "Send me 'Practical Garden Pointers.'" A post card will do.

# Michell's Rustic and Ornamental Bird Houses

Comparatively few of us recognize the great economic value of birds. Particularly the bluebirds, house wrens and martins are very easily domesticated. Their favorite nesting sites are bird houses made for their use which may be placed about in the garden and farm or in orchards. As rent, these grateful birds pay amply, by destroying millions of insects annually. If you put up your bird houses in the autumn or before the birds arrive in the spring, you may be able to keep the birds with you all winter if you provide them with shelter and food.

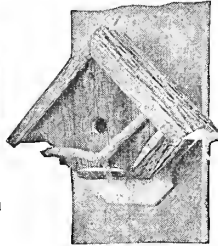
**ABOUT WRENS.** Place Wren Houses near your dwellings; the wren is hardly ever known to nest off in the woods. If not disturbed, they will become very tame. These Wren Houses are made with 1-inch holes so that sparrows cannot disturb the occupants.



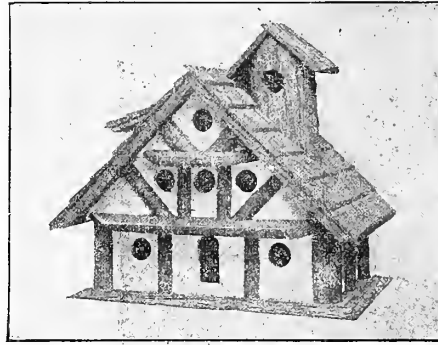
**Maryland Wren Box**  
Painted green and red.  
40c. each. P. P. Wt., 1 lb.



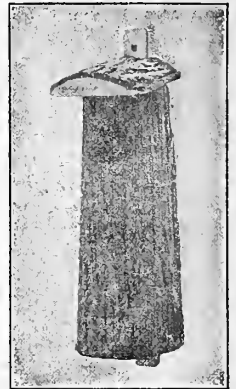
**No. 50. Hanging Wren House**  
Price, \$1.35  
P. P. Wt., 3 lbs.



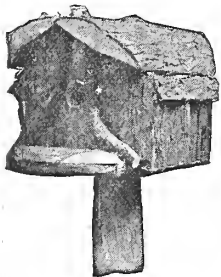
**No. 9.**  
Price, \$1.50  
P. P. Wt., 3 lbs.



**No. 8. 14-Room Martin House**  
Price, \$22.00. Not mailable.



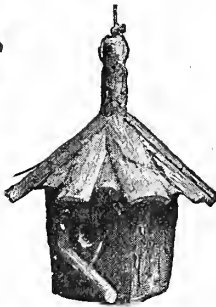
**No. 22.**  
Price, \$1.50  
For Woodpeckers, Chickadees, Nuthatches, etc.  
P. P. Wt., 3 lbs.



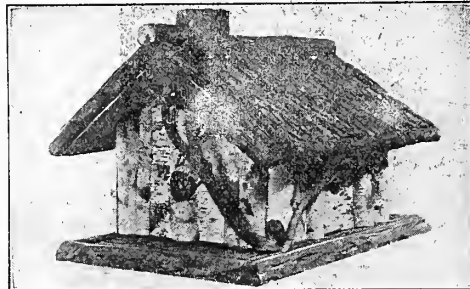
**No. 13.**  
Price, \$1.50  
P. P. Wt., 3 lbs.



**No. 11.**  
Price, \$1.50  
Weight, 3 lbs.



**No. 12.**  
Price, \$1.50  
Made to Swing



**No. 77—4-room Martin House.**  
Finished in white birch. Size, 13x7x21 inches.  
Price, \$7.00.

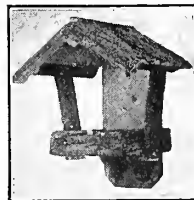
**No. 61—Wren House (Swinging House).**  
Price, \$1.50. Not mailable.



**No. 25.**  
Price, \$1.50



**No. 28. The Wren "House Beautiful."**  
Price, \$2.50. P. P. Wt., 4 lbs.



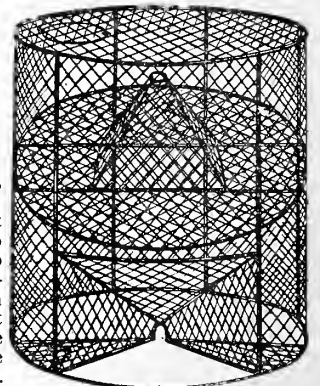
**No. 60. Robin House.**  
Price, \$1.50  
P. P. Wt., 3 lbs.



**No. 62. Blue Bird House.**  
Price, \$1.50  
P. P. Wt., 3 lbs.

## WIRE SPARROW TRAP

We have tried it out and found it to be the best trap made. Scatter a little cracked corn and set trap right over it. You'll be surprised at the catch. \$7.00 each.



# Michell's Recleaned Bird Seeds, Pet Supplies, Etc.

Our bird seeds are of the highest quality, fresh and recleaned. Your feathered pets will thrive if you get your supplies in this line from us.

	¼ lb.	Lb.	5 lb.	10 lb.
Auts' Eggs	..... \$1.25	\$4.00		
Canary. Plain Sicily	..... .20		\$0.90	\$1.70
Canary, Mixed	..... .20		.90	1.70
Hemp Seed	..... .20		.90	1.50
Millet Seed (Imported)	... .12		.55	1.00
Rape Seed	..... .20		.90	1.60
Unhulled Rice	..... .25		1.10	2.00
Bird Manna. Keeps Canary Birds in prime condition. Pkg., 15c.				
Cuttle Fish Bone. 10c. each; ¼ lb., 30c.; \$1.00 per lb.				
Fish Food. For aquariums. 15c. pkg.				
Lettuce Seed. 5c. per oz.; 10c. per ¼ lb.; lb., 30c.				

Maw Seed. ¼ lb., 25c.; 85c. lb.; 5 lbs., \$4.00.  
Parrot Food (Spratt's). 15c. pkg.; \$1.65 doz.  
Sand for Bird Cages. Fine, Red or Silver, 10c. pkg.; doz. pkgs., \$1.00. Silver (coarse), 10c. pkg.; doz. pkgs., \$1.00.  
Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 15c. per bottle; per doz., \$1.50.  
Prices on Bird Seeds Subject to Market Changes

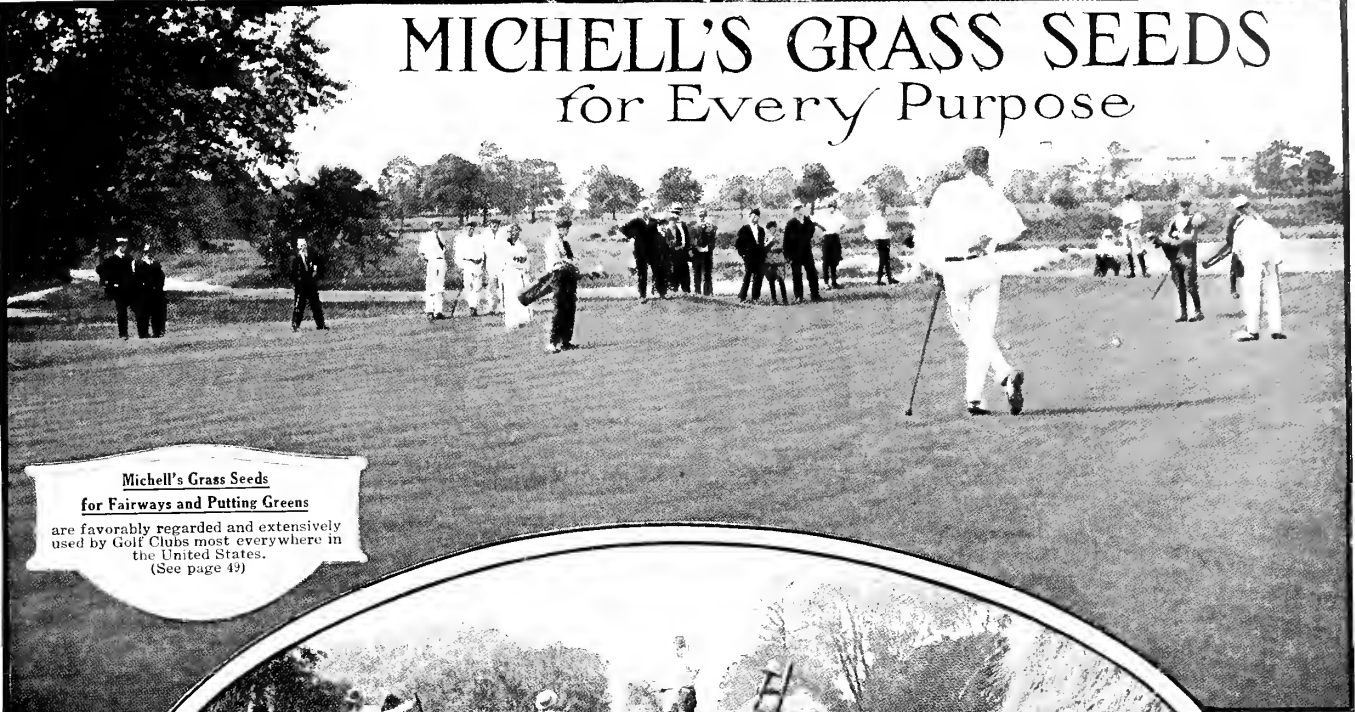
## SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 20c. per lb.; 3 lbs., 55c.; 85c. for 5 lbs.; 10 lbs., \$1.60.



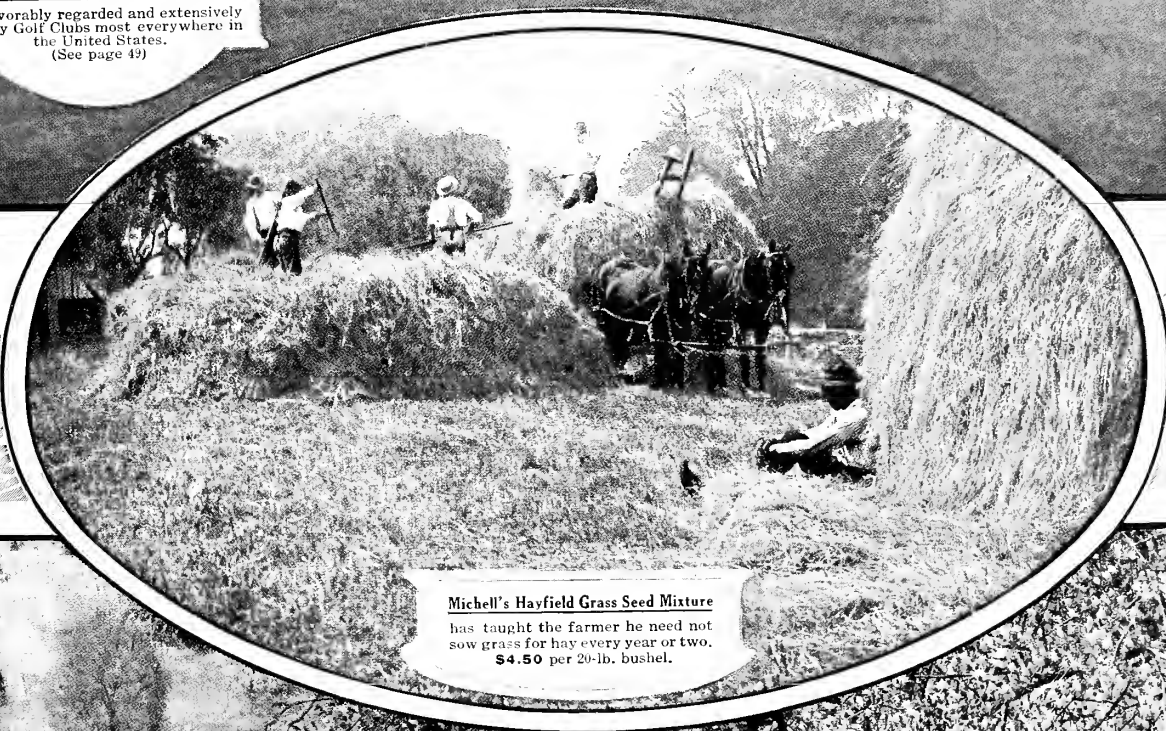
# MICHELL'S GRASS SEEDS

for Every Purpose

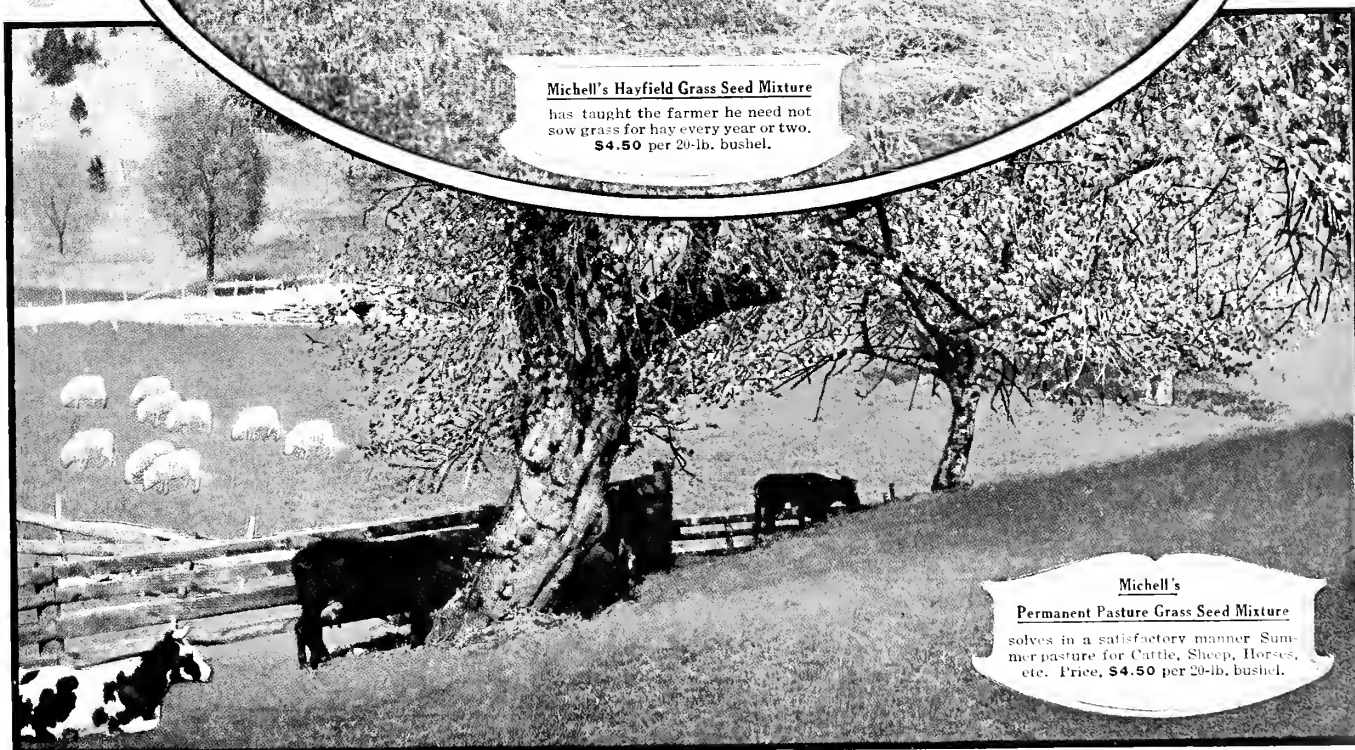


**Michell's Grass Seeds**  
for Fairways and Putting Greens

are favorably regarded and extensively used by Golf Clubs most everywhere in the United States.  
(See page 49)

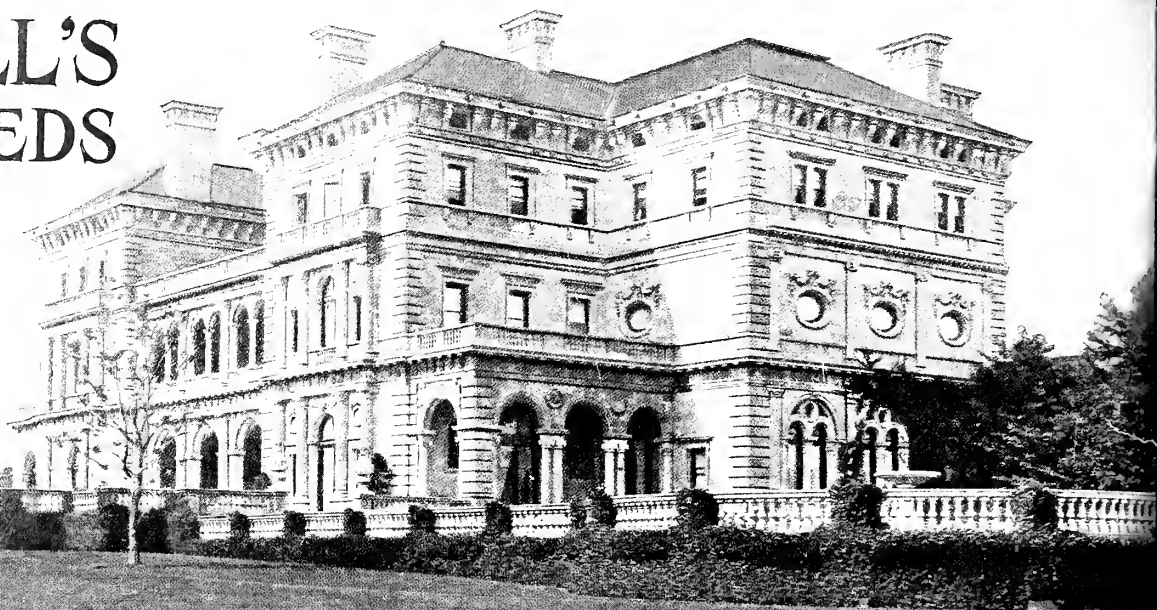


**Michell's Hayfield Grass Seed Mixture**  
has taught the farmer he need not sow grass for hay every year or two.  
**\$4.50** per 20-lb. bushel.



**Michell's**  
**Permanent Pasture Grass Seed Mixture**  
solves in a satisfactory manner Summer pasture for Cattle, Sheep, Horses, etc. Price, **\$4.50** per 20-lb. bushel.

# MICHELL'S GRASS SEEDS for Every Purpose

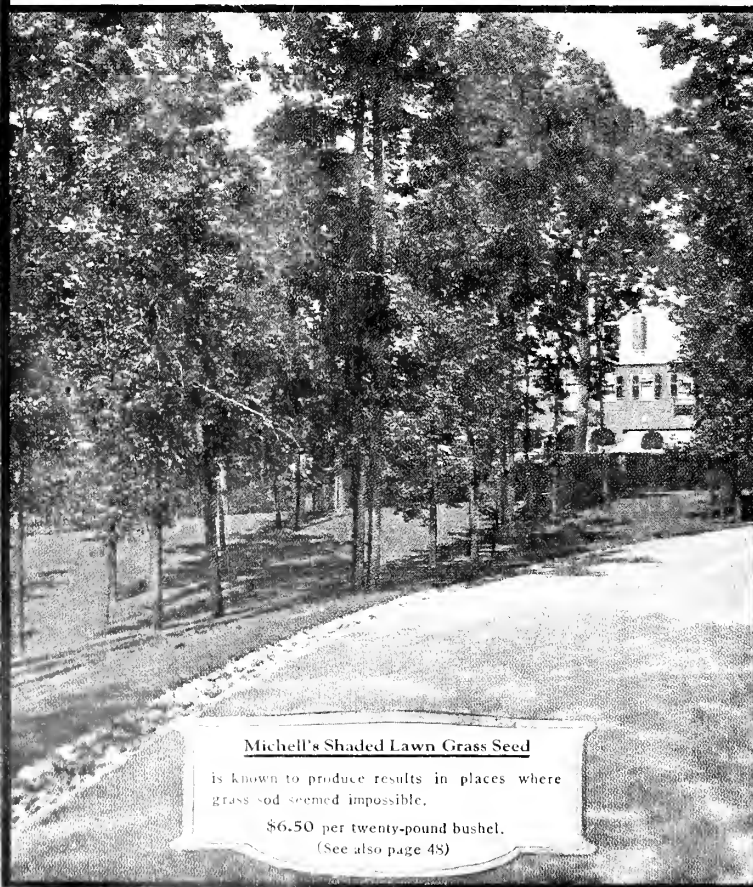


### Michell's Green Velvet Grass Seed

is undoubtedly the best value at the price to be found anywhere. The formula is based on experience and tests and is being constantly improved where possible.

\$6.00 per twenty-pound bushel. (See also page 48.)

(Picture taken at Newport, R. I.)

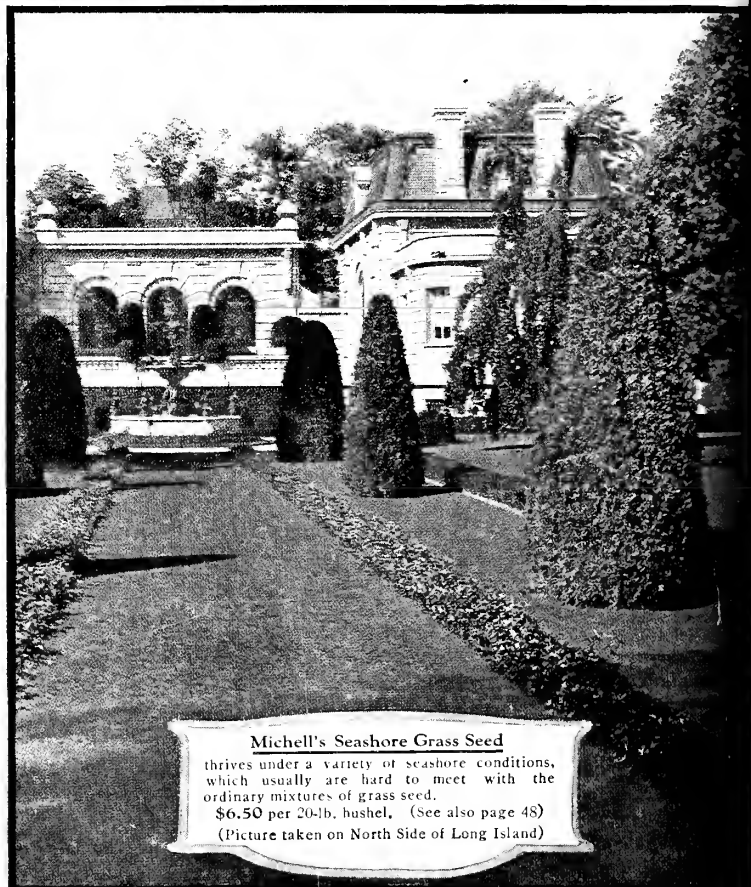


### Michell's Shaded Lawn Grass Seed

is known to produce results in places where grass sod seemed impossible.

\$6.50 per twenty-pound bushel.

(See also page 48)



### Michell's Seashore Grass Seed

thrives under a variety of seashore conditions, which usually are hard to meet with the ordinary mixtures of grass seed.

\$6.50 per 20-lb. bushel. (See also page 48)

(Picture taken on North Side of Long Island)

HENRY F. MICHELL CO. 518 MARKET ST. PHILADELPHIA, PA.