

* UMASS/AMHERST *



312066 0333 3151 9

55-10
(6 pts)
Coll. Funds
182 31 84

LIBRARY
OF THE



MASSACHUSETTS
AGRICULTURAL
COLLEGE

NO. 23084 DATE 4-1902

SOURCE College funds

[REDACTED]

v.16:1

FLOK
DCT

This book may be kept out

TWO WEEKS

only, and is subject to a fine of TWO CENTS a day thereafter. It will be due on the day indicated below.

MAY 5 1905
MAY 5 1905

8 11



CONTENTS.

Illustrations are indicated by an *

<p>A</p> <p>Adams Express Co, a card to the..... 862</p> <p>*Adiantum cuneatum, a plant of..... 1559</p> <p>Adiantum house, aphis in..... 1450</p> <p>Advance and progress of horticulture in the past century..... 821</p> <p>Advertising, alleged fraudulent..... 732</p> <p>Albany, N. Y., 608, 644, 660, 706, 740, 768, 876, 816, 880, 912, 946, 1010, 1056, 1092, 1140, 1165, 1266, 1295, 1368, 1392, 1434, 1449, 1483, 1536, 1585, 1649, 1691, 1714</p> <p>American Association of Nurserymen..... 1526, 1626, 1668, 1686</p> <p>American Bulb Co. chartered..... 1740</p> <p>American Carnation Society, the..... 126</p> <p>—Awards, the..... 988</p> <p>—*Baltimore convention, the..... 985</p> <p>—Banquet, the..... 1029</p> <p>—Department of registration..... 222, 382, 414, 570, 600, 660, 694, 726, 758, 790, 830, 892, 958.</p> <p>—Essay, Peter Fisher's..... 1030</p> <p>—*Essay, Prof. Wood's..... 990</p> <p>—Gleanings, by W. P. Craig..... 1069</p> <p>—Permanent fund, subscribers to..... 1167</p> <p>—*President Bertermann..... 985</p> <p>—President's address..... 987</p> <p>—Programme of Baltimore meeting..... 824</p> <p>—Secretary's report..... 988</p> <p>—Those present..... 989</p> <p>—Treasurer's report..... 988</p> <p>—*Vice-President Lemm..... 1032</p> <p>American Dahlia Society..... 341</p> <p>American floriculture, retrospective and prospective..... 131</p> <p>American Nurserymen's Protective Association..... 1626</p> <p>American Park and Outdoor Art Association..... 1674</p> <p>American Pomological Society..... 1714</p> <p>American Rose Society, the..... 726, 966, 1032, 1082.</p> <p>—Department of registration..... 486</p> <p>—Scale of points..... 445</p> <p>—Second annual meeting and exhibition..... 1145, 1231</p> <p>American Seed Trade Association..... 1560, 1624, 1656.</p> <p>Angleworms, a cure for..... 1678</p> <p>Anandale rose show, the..... 1675</p> <p>Anthuriums, the..... 1698</p> <p>*Antirrhinum, a New Brunswick..... 200</p> <p>Apple the prince of fruits..... 1679</p> <p>*Aquatic gardening in Boston parks..... 1730</p> <p>Aquatics and their winter protection..... 438</p> <p>*Aquatics in District of Columbia..... 228</p> <p>Aquatics, midsummer notes on..... 56</p> <p>Aquatics, notes on 951 1476 1611, 1754</p> <p>Arbiculture, international society of..... 1562</p> <p>*Areca Iseemanni..... 1643</p> <p>Are you going..... 1441</p> <p>*Asparagus decumbens..... 824</p> <p>Asparagus, failure with garden..... 1518</p> <p>Asparagus Sprengeri, variegated form of..... 376</p> <p>Aspect, the best..... 1518</p> <p>Atlanta, Ga..... 1676</p> <p>Auctions, English horticultural..... 227</p> <p>Augusta, Ga..... 766</p> <p>Aurora, Ill..... 668, 1294</p> <p>Autumn bloomers, desirable..... 1562</p> <p>Azaleas in America, growing..... 1697</p> <p>*Azalea Iveyana..... 1671</p> <p>*Azaleas, multi-grafted..... 1698</p>	<p>Bloomsburg, Pa..... 692, 1708</p> <p>*"Bonnaillon"..... 570</p> <p>Borers in trees and shrubs..... 326</p> <p>Boston, 3, 30 190, 202, 238, 258, 286, 315, 346, 379, 412, 443, 483, 538, 567, 587, 627, 658, 688, 726, 755, 785, 828, 890, 897, 921, 956, 993, 1038, 1077, 1115, 1162, 1233, 1272, 1311, 1345, 1379, 1416, 1447, 1481, 1519, 1553, 1584, 1617, 1647, 1673, 1703, 1731, 1759, 1786.</p> <p>*Boston fern, growing the..... 477</p> <p>Boston, spring exhibition at..... 1147</p> <p>Boston through Quaker City spectacles..... 1580</p> <p>*Boston, dedicatory exhibition at 1579 1613.</p> <p>*Boston history, a bit of..... 1611</p> <p>Boston, a Saturday show at..... 154</p> <p>*Boulevard planting in Chicago..... 785</p> <p>*Bouquet of carnations, bridal..... 1610</p> <p>*Bouquet of green, a casket..... 1782</p> <p>Bradford, Pa..... 851, 1564</p> <p>Brantford, Ont..... 1165</p> <p>Briarcliff school of horticulture..... 1484</p> <p>Bridgeport, Conn..... 390, 1138</p> <p>Bright spot next year, a..... 1651</p> <p>Browalia speciosa major..... 156</p> <p>*Buetner, Emily..... 473</p> <p>Buffalo..... 50, 108, 188, 218, 304, 318, 402, 445, 586, 618, 692, 768, 878, 923, 1039, 1077, 1196, 1246, 1290, 1347, 1450, 1482, 1532, 1585, 1616, 1645, 1677, 1704, 1732, 1759, 1787.</p> <p>Buffalo, accommodations at..... 1318, 1760</p> <p>Buffalo, hotels of..... 1650</p> <p>*Buffalo, the convention city..... 1785</p> <p>Buffalo to New York..... 6</p> <p>*Buffalo's great fair, at..... 1729</p> <p>Bulb contract, the government..... 1524</p> <p>Bulb industry in England, the..... 1547</p> <p>Bulb trade, the French..... 1172</p> <p>Bulbous stock, period of forcing..... 1681</p> <p>Bulbs, Carolina..... 1643</p> <p>Bulbs, cold storage for..... 44</p> <p>Bulbs, planting spring flowering..... 405</p>	<p>—Various varieties, results with..... 918</p> <p>—Watering..... 1032</p> <p>—White, a good..... 1476</p> <p>—White, a new..... 918</p> <p>—White Cloud, a word for..... 888</p> <p>—White Mrs. Bradt..... 1418</p> <p>*Carpet bedding advertisement, a..... 655</p> <p>Catalogue difficulties..... 1592</p> <p>*Cattleya labiata, seven-flowered spike of..... 1642</p> <p>*Cattleya × Thayeriana..... 1445</p> <p>*Celastrus, notes on..... 1412</p> <p>Celosia, pyramidalis..... 65</p> <p>Cement, fire proof..... 1237</p> <p>Cemeteries, new..... 1591, 1742</p> <p>Cemeteries, notes of..... 1688</p> <p>*Centaura imperialis, the..... 1546</p> <p>*Centaura, the native American..... 1644</p> <p>Centus statistics of floriculture..... 288</p> <p>Central Park, New York, mall in..... 27</p> <p>Cereus, the night blooming..... 136</p> <p>Changes of two decades, the..... 1375</p> <p>Chattanooga, Tenn..... 760</p> <p>Chestnut Hill, Pa..... 687, 842, 1022, 1235, 1694.</p> <p>Chicago, 4, 31, 67, 136, 174, 203, 231, 259, 286, 316, 347, 380, 412, 444, 484, 536, 568, 598, 628, 656, 688, 725, 756, 788, 827, 870, 891, 922, 956, 994, 1037, 1076, 1115, 1162, 1234, 1274, 1312, 1344, 1389, 1416, 1446, 1480, 1515, 1551, 1582, 1616, 1646, 1676, 1703, 1730, 1758, 1786.</p> <p>*Chicago Florists' Club at Riverside..... 1783</p> <p>Chicago Florists' Club, carnation show of..... 855</p> <p>Chicago flower show, the..... 631</p> <p>Chicago to Buffalo..... 1706, 1734</p> <p>Chicago to New York..... 5</p> <p>*Chicago, wholesaling cut flowers in..... 314</p> <p>*Christmas bouquet, a..... 857</p> <p>*Christmas plants in New York..... 783</p> <p>Christmas tree trade, the..... 736</p> <p>Chrysanthemum:—</p> <p>—Appleton, Col. D..... *533, 1040</p> <p>—Boehmer, Louis..... 475</p> <p>—Brutus..... 564</p> <p>—Chamberlain, Mrs. W. B..... 723</p> <p>—Chestnut Hill..... 723</p> <p>—Eaton, Timothy..... 751</p> <p>—*Gold Smith..... 623</p> <p>—*Golden Trophy..... 475</p> <p>—*Hayes, F. B..... 687</p> <p>—*Ivory..... 566</p> <p>—*No. 22..... 673</p> <p>—*Omega..... 688</p> <p>—*Ritson, Mrs..... 623</p> <p>—*Smith, Mrs. Elmer D..... 562</p> <p>—*Zampa..... 723</p> <p>Chrysanthemum from a commission man's standpoint, the..... 475</p> <p>Chrysanthemum growing, practical..... 477</p> <p>Chrysanthemum shows, the profit of..... 630</p> <p>Chrysanthemum Society of America..... 125</p> <p>—Committees to examine seedlings..... 310, 479</p> <p>—Committees, work of the..... 409, 440, 486, 538, 570, 600, 630.</p> <p>—President Herrington on the..... 379</p> <p>—Review of work of..... 722</p> <p>—Scale of points..... 446</p> <p>Chrysanthemum aut., an English..... 1700</p> <p>Chrysanthemums:—</p> <p>—*At Mrs. B. P. Cheney's..... 474</p> <p>—For home market..... 1651</p> <p>—French judging scale..... 1276</p> <p>—Gulf coast notes..... 19</p> <p>—In England..... 888</p> <p>—*Jottings..... 687</p> <p>—*New..... 566, 622, 722</p> <p>—*Pompon..... 594</p> <p>—Renaming..... 1190</p> <p>—Seasonable notes..... 1071, 1728</p> <p>—Specimen plants..... 309, 536</p> <p>—Sports..... 726</p> <p>—Standard..... 660</p> <p>—Treatment for Timothy Eaton..... 1671</p> <p>—Troubles..... 694</p> <p>—*Under cheese cloth shading..... 441</p> <p>—Weeping..... 726</p> <p>*Churchyard planting..... 1344</p> <p>Cincinnati..... 434, 445, 487, 550, 569, 601, 646, 698, 838, 957, 1008, 1094, 1117, 1216, 1256, 1328, 1358, 1406, 1417, 1462, 1483, 1568, 1634, 1617, 1648, 1716, 1760, 1772, 1800.</p> <p>*Clematis and its failings, the..... 282</p> <p>Clematis disease, the..... 40</p> <p>Clematis indivisa in New Zealand..... 56</p> <p>*Clematis Jackmani..... 283</p> <p>Clematis, rambling jottings on the..... 580</p> <p>Clematis, the..... 226</p> <p>Clematis, the cutting back of the..... 326</p> <p>Clematis for pot culture..... 61</p> <p>Cleveland..... 38, 250, 298, 400, 458, 659, 734, 1194, 1320, 1392, 1616, 1677, 1704, 1734, 1768, 1790.</p> <p>Coal report of Chicago Florists' Club..... 31</p> <p>*Colognye criolata..... 1445</p> <p>Coleus, the blue..... 1161</p> <p>*Coleus thyrsoideus..... 1550</p>	<p>Colorado, flower show in..... 225</p> <p>Columbus, O..... 683, 848, 940, 1078, 1302, 1315, 1332, 1449, 1500, 1572, 1632, 1692, 1704, 1796.</p> <p>*Comley, James..... 1670</p> <p>Competition, encouraging ruinous..... 1514</p> <p>Complaint, a..... 1494</p> <p>Conifers as rain gauges..... 1244</p> <p>Connersville, Ind..... 368</p> <p>*Conservatory while you wait, a..... 1114</p> <p>Convention, the New York..... *51</p> <p>—American floriculture, an essay..... 131</p> <p>—Awards, special..... 166</p> <p>—Between the acts..... 128</p> <p>—Carnation, the improvement of the, an essay..... 170</p> <p>—Committees, reports of..... 125</p> <p>—*Convention photograph, the..... 167</p> <p>—*Decorations, the..... 168</p> <p>—Election of officers..... 126</p> <p>—Exhibition, the horticultural..... 126, *169</p> <p>—Floral decoration, an essay..... 168</p> <p>—*Greenhouse construction, an essay..... 128</p> <p>—Impressions of the..... 184</p> <p>—*Kasting, Wm. F., vice president-elect..... 124</p> <p>—Musings..... 166</p> <p>—*O'Mara, Patrick, president-elect..... 123</p> <p>—President Wood's address..... 122</p> <p>—President's reception..... 125</p> <p>—Rose, the, an essay..... 133</p> <p>—Secretary, report of the..... 124</p> <p>—Trade exhibit, judges of the..... 124</p> <p>—Trade exhibit, the..... 126</p> <p>—Treasurer, report of the..... 125</p> <p>—*Welfare of the society, an essay..... 165</p> <p>*Convention city, a ramble in the..... 25</p> <p>Convention hall, the..... 32</p> <p>Convention tips..... 32</p> <p>Conventionites, a hint to..... 6, 42, 60</p> <p>Conventions at expositions..... 2, 28</p> <p>*Cool rooms for florists' use..... 62</p> <p>*Corner piece for a casket..... 1378</p> <p>Cosmos under glass..... 656</p> <p>Council Bluffs, Ia..... 1617</p> <p>Craig, a chat with..... 255</p> <p>*Craig & Son's shirt waist brigade..... 199</p> <p>*Crematory, a garden..... 1788</p> <p>Crossing and hybridizing..... 752</p> <p>*Crotas as house plants..... 1510</p> <p>*Crotas, exhibition..... 255</p> <p>*Crystal Palace, London..... 29</p> <p>Cut floral packages..... 228</p> <p>*Cuthbertson, William..... 4</p> <p>*Cycas revoluta in bloom..... 1699</p> <p>*Cyclamens at University of Illinois..... 1374</p> <p>*Cyclamens for seed, growing..... 1548</p> <p>*Cypripedium Charlesworthii × Spicerianum..... 889</p> <p>*Cypripedium Leeanum..... 1730</p> <p>*Cypripedium × Mrs. Chas. Canham..... 856</p> <p>*Cytomium falcatum..... 1306</p>
B			
<p>Babylon, L. I..... 695</p> <p>Baltimore..... 22, 100, 242, 334, 362, 430, 462, 850, 891, 970, 1054, 1134, 1202, 1260, 1358, 1424, 1149, 1492, 1705.</p> <p>Baltimore hotels of..... 924</p> <p>*Bamboo, the..... 254</p> <p>Bamboos, the hardest..... 270</p> <p>*Bangor flower show, a..... 754</p> <p>Bangor, Me..... 960</p> <p>Banquet to President O'Mara..... 782</p> <p>Barrie, Ont..... 1218</p> <p>Bay City, Mich..... 608, 1276</p> <p>Bay trees..... 1618</p> <p>*Bays, pyramid..... 1343</p> <p>Bayside, jottings at..... 1032</p> <p>Bedding, plants for formal..... 1669</p> <p>Begonia Duchatrei..... 1702</p> <p>Begonia Gloire de Lorraine..... *556, 1074, *1152, 1410.</p> <p>*Begonia Gloire de Lorraine, house of..... 639</p> <p>*Begonia Gloire de Lorraine for Chicago market..... 690</p> <p>Begonia Gloire de Lorraine, propagation of..... 204</p> <p>*Begonia E. G. Hill..... 256</p> <p>Begonias in England..... 955</p> <p>Belleville, Ill..... 1688</p> <p>Bellevue, Pa..... 1392</p> <p>Belviders, Ill..... 1660</p> <p>*Bench support, a simple..... 66</p> <p>Bennett, Pa..... 413</p> <p>*Berckmans, Robert C..... 1658</p> <p>*Bertermann, John..... 1410</p> <p>*Bertermann, Wm. G..... 999</p> <p>Birmingham, Ala..... 693</p> <p>Bloomington, Ill..... 552</p>	<p>Bloomington, Pa..... 692, 1708</p> <p>*"Bonnaillon"..... 570</p> <p>Borers in trees and shrubs..... 326</p> <p>Boston, 3, 30 190, 202, 238, 258, 286, 315, 346, 379, 412, 443, 483, 538, 567, 587, 627, 658, 688, 726, 755, 785, 828, 890, 897, 921, 956, 993, 1038, 1077, 1115, 1162, 1233, 1272, 1311, 1345, 1379, 1416, 1447, 1481, 1519, 1553, 1584, 1617, 1647, 1673, 1703, 1731, 1759, 1786.</p> <p>*Boston fern, growing the..... 477</p> <p>Boston, spring exhibition at..... 1147</p> <p>Boston through Quaker City spectacles..... 1580</p> <p>*Boston, dedicatory exhibition at 1579 1613.</p> <p>*Boston history, a bit of..... 1611</p> <p>Boston, a Saturday show at..... 154</p> <p>*Boulevard planting in Chicago..... 785</p> <p>*Bouquet of carnations, bridal..... 1610</p> <p>*Bouquet of green, a casket..... 1782</p> <p>Bradford, Pa..... 851, 1564</p> <p>Brantford, Ont..... 1165</p> <p>Briarcliff school of horticulture..... 1484</p> <p>Bridgeport, Conn..... 390, 1138</p> <p>Bright spot next year, a..... 1651</p> <p>Browalia speciosa major..... 156</p> <p>*Buetner, Emily..... 473</p> <p>Buffalo..... 50, 108, 188, 218, 304, 318, 402, 445, 586, 618, 692, 768, 878, 923, 1039, 1077, 1196, 1246, 1290, 1347, 1450, 1482, 1532, 1585, 1616, 1645, 1677, 1704, 1732, 1759, 1787.</p> <p>Buffalo, accommodations at..... 1318, 1760</p> <p>Buffalo, hotels of..... 1650</p> <p>*Buffalo, the convention city..... 1785</p> <p>Buffalo to New York..... 6</p> <p>*Buffalo's great fair, at..... 1729</p> <p>Bulb contract, the government..... 1524</p> <p>Bulb industry in England, the..... 1547</p> <p>Bulb trade, the French..... 1172</p> <p>Bulbous stock, period of forcing..... 1681</p> <p>Bulbs, Carolina..... 1643</p> <p>Bulbs, cold storage for..... 44</p> <p>Bulbs, planting spring flowering..... 405</p>	<p>—Various varieties, results with..... 918</p> <p>—Watering..... 1032</p> <p>—White, a good..... 1476</p> <p>—White, a new..... 918</p> <p>—White Cloud, a word for..... 888</p> <p>—White Mrs. Bradt..... 1418</p> <p>*Carpet bedding advertisement, a..... 655</p> <p>Catalogue difficulties..... 1592</p> <p>*Cattleya labiata, seven-flowered spike of..... 1642</p> <p>*Cattleya × Thayeriana..... 1445</p> <p>*Celastrus, notes on..... 1412</p> <p>Celosia, pyramidalis..... 65</p> <p>Cement, fire proof..... 1237</p> <p>Cemeteries, new..... 1591, 1742</p> <p>Cemeteries, notes of..... 1688</p> <p>*Centaura imperialis, the..... 1546</p> <p>*Centaura, the native American..... 1644</p> <p>Centus statistics of floriculture..... 288</p> <p>Central Park, New York, mall in..... 27</p> <p>Cereus, the night blooming..... 136</p> <p>Changes of two decades, the..... 1375</p> <p>Chattanooga, Tenn..... 760</p> <p>Chestnut Hill, Pa..... 687, 842, 1022, 1235, 1694.</p> <p>Chicago, 4, 31, 67, 136, 174, 203, 231, 259, 286, 316, 347, 380, 412, 444, 484, 536, 568, 598, 628, 656, 688, 725, 756, 788, 827, 870, 891, 922, 956, 994, 1037, 1076, 1115, 1162, 1234, 1274, 1312, 1344, 1389, 1416, 1446, 1480, 1515, 1551, 1582, 1616, 1646, 1676, 1703, 1730, 1758, 1786.</p> <p>*Chicago Florists' Club at Riverside..... 1783</p> <p>Chicago Florists' Club, carnation show of..... 855</p> <p>Chicago flower show, the..... 631</p> <p>Chicago to Buffalo..... 1706, 1734</p> <p>Chicago to New York..... 5</p> <p>*Chicago, wholesaling cut flowers in..... 314</p> <p>*Christmas bouquet, a..... 857</p> <p>*Christmas plants in New York..... 783</p> <p>Christmas tree trade, the..... 736</p> <p>Chrysanthemum:—</p> <p>—Appleton, Col. D..... *533, 1040</p> <p>—Boehmer, Louis..... 475</p> <p>—Brutus..... 564</p> <p>—Chamberlain, Mrs. W. B..... 723</p> <p>—Chestnut Hill..... 723</p> <p>—Eaton, Timothy..... 751</p> <p>—*Gold Smith..... 623</p> <p>—*Golden Trophy..... 475</p> <p>—*Hayes, F. B..... 687</p> <p>—*Ivory..... 566</p> <p>—*No. 22..... 673</p> <p>—*Omega..... 688</p> <p>—*Ritson, Mrs..... 623</p> <p>—*Smith, Mrs. Elmer D..... 562</p> <p>—*Zampa..... 723</p> <p>Chrysanthemum from a commission man's standpoint, the..... 475</p> <p>Chrysanthemum growing, practical..... 477</p> <p>Chrysanthemum shows, the profit of..... 630</p> <p>Chrysanthemum Society of America..... 125</p> <p>—Committees to examine seedlings..... 310, 479</p> <p>—Committees, work of the..... 409, 440, 486, 538, 570, 600, 630.</p> <p>—President Herrington on the..... 379</p> <p>—Review of work of..... 722</p> <p>—Scale of points..... 446</p> <p>Chrysanthemum aut., an English..... 1700</p> <p>Chrysanthemums:—</p> <p>—*At Mrs. B. P. Cheney's..... 474</p> <p>—For home market..... 1651</p> <p>—French judging scale..... 1276</p> <p>—Gulf coast notes..... 19</p> <p>—In England..... 888</p> <p>—*Jottings..... 687</p> <p>—*New..... 566, 622, 722</p> <p>—*Pompon..... 594</p> <p>—Renaming..... 1190</p> <p>—Seasonable notes..... 1071, 1728</p> <p>—Specimen plants..... 309, 536</p> <p>—Sports..... 726</p> <p>—Standard..... 660</p> <p>—Treatment for Timothy Eaton..... 1671</p> <p>—Troubles..... 694</p> <p>—*Under cheese cloth shading..... 441</p> <p>—Weeping..... 726</p> <p>*Churchyard planting..... 1344</p> <p>Cincinnati..... 434, 445, 487, 550, 569, 601, 646, 698, 838, 957, 1008, 1094, 1117, 1216, 1256, 1328, 1358, 1406, 1417, 1462, 1483, 1568, 1634, 1617, 1648, 1716, 1760, 1772, 1800.</p> <p>*Clematis and its failings, the..... 282</p> <p>Clematis disease, the..... 40</p> <p>Clematis indivisa in New Zealand..... 56</p> <p>*Clematis Jackmani..... 283</p> <p>Clematis, rambling jottings on the..... 580</p> <p>Clematis, the..... 226</p> <p>Clematis, the cutting back of the..... 326</p> <p>Clematis for pot culture..... 61</p> <p>Cleveland..... 38, 250, 298, 400, 458, 659, 734, 1194, 1320, 1392, 1616, 1677, 1704, 1734, 1768, 1790.</p> <p>Coal report of Chicago Florists' Club..... 31</p> <p>*Colognye criolata..... 1445</p> <p>Coleus, the blue..... 1161</p> <p>*Coleus thyrsoideus..... 1550</p>	<p>Colorado, flower show in..... 225</p> <p>Columbus, O..... 683, 848, 940, 1078, 1302, 1315, 1332, 1449, 1500, 1572, 1632, 1692, 1704, 1796.</p> <p>*Comley, James..... 1670</p> <p>Competition, encouraging ruinous..... 1514</p> <p>Complaint, a..... 1494</p> <p>Conifers as rain gauges..... 1244</p> <p>Connersville, Ind..... 368</p> <p>*Conservatory while you wait, a..... 1114</p> <p>Convention, the New York..... *51</p> <p>—American floriculture, an essay..... 131</p> <p>—Awards, special..... 166</p> <p>—Between the acts..... 128</p> <p>—Carnation, the improvement of the, an essay..... 170</p> <p>—Committees, reports of..... 125</p> <p>—*Convention photograph, the..... 167</p> <p>—*Decorations, the..... 168</p> <p>—Election of officers..... 126</p> <p>—Exhibition, the horticultural..... 126, *169</p> <p>—Floral decoration, an essay..... 168</p> <p>—*Greenhouse construction, an essay..... 128</p> <p>—Impressions of the..... 184</p> <p>—*Kasting, Wm. F., vice president-elect..... 124</p> <p>—Musings..... 166</p> <p>—*O'Mara, Patrick, president-elect..... 123</p> <p>—President Wood's address..... 122</p> <p>—President's reception..... 125</p> <p>—Rose, the, an essay..... 133</p> <p>—Secretary, report of the..... 124</p> <p>—Trade exhibit, judges of the..... 124</p> <p>—Trade exhibit, the..... 126</p> <p>—Treasurer, report of the..... 125</p> <p>—*Welfare of the society, an essay..... 165</p> <p>*Convention city, a ramble in the..... 25</p> <p>Convention hall, the..... 32</p> <p>Convention tips..... 32</p> <p>Conventionites, a hint to..... 6, 42, 60</p> <p>Conventions at expositions..... 2, 28</p> <p>*Cool rooms for florists' use..... 62</p> <p>*Corner piece for a casket..... 1378</p> <p>Cosmos under glass..... 656</p> <p>Council Bluffs, Ia..... 1617</p> <p>Craig, a chat with..... 255</p> <p>*Craig & Son's shirt waist brigade..... 199</p> <p>*Crematory, a garden..... 1788</p> <p>Crossing and hybridizing..... 752</p> <p>*Crotas as house plants..... 1510</p> <p>*Crotas, exhibition..... 255</p> <p>*Crystal Palace, London..... 29</p> <p>Cut floral packages..... 228</p> <p>*Cuthbertson, William..... 4</p> <p>*Cycas revoluta in bloom..... 1699</p> <p>*Cyclamens at University of Illinois..... 1374</p> <p>*Cyclamens for seed, growing..... 1548</p> <p>*Cypripedium Charlesworthii × Spicerianum..... 889</p> <p>*Cypripedium Leeanum..... 1730</p> <p>*Cypripedium × Mrs. Chas. Canham..... 856</p> <p>*Cytomium falcatum..... 1306</p>
C			
<p>Cactus curiosity, a..... 1348</p> <p>*Calceolaria integrifolia..... 170</p> <p>*Californian flower show..... 441</p> <p>Camden N. J..... 1142, 1526, 1662</p> <p>*Campanula isophylla Mayii..... 58</p> <p>Canadian Horticultural Association..... 66, 158, 1650, 1678, 1788</p> <p>Candytuft for Easter..... 1036</p> <p>Canna, garden history of..... 1269</p> <p>Cannas, the season's work among..... 439</p> <p>Carnation:—</p> <p>—*Adonis..... 752</p> <p>—*Cressbrook..... 111</p> <p>—*Droby..... 75</p> <p>—*Egypt..... 103</p> <p>—*Guardian Angel..... 62</p> <p>—*Hoosier Maid..... 918</p> <p>—*Ina, Mrs. Leopold..... 1031</p> <p>—*Lawson, Mrs. Thos. W..... 1414</p> <p>—*Lorna..... 1633</p> <p>—*Nelson, Mrs. E. A..... 1032</p> <p>—*Norway..... 951</p> <p>—*Queen Louise..... 787</p> <p>Carnation blooms, treatment for..... 318, 410, 488, 490.</p> <p>Carnation raisers, to..... 691</p> <p>Carnation show, the Pan-American..... 1442</p> <p>Carnation, the improvement of the..... 170</p> <p>Carnations:—</p> <p>—American in England..... 630</p> <p>—*Armazindy sport, a house of..... 1400</p> <p>—Artificial pollination..... 1374</p> <p>—*At Sing Sing, N. Y..... 585</p> <p>—Benching..... 1753, 1781</p> <p>—Clearing out the houses..... 1475</p> <p>—Connecticut cultural method, a..... 787</p> <p>—Cuttings and their treatment..... 723</p> <p>—Diseased..... 653</p> <p>—Early feeding and root development..... 276</p> <p>—*Evanston, house of..... 1073</p> <p>—Field culture, truisms of..... 1546</p> <p>—Field planting, preparations for..... 1159</p> <p>—Hybridizing..... 752, 1030</p> <p>—In health and disease..... 990</p> <p>—Injury to blooms..... 758</p> <p>—Keeping quality..... 856</p> <p>—Latest facts about new..... 621</p> <p>—Mrs. Lawson and Genevieve Lord..... 1706</p> <p>—Lawson in England..... 723</p> <p>—New, the..... 686</p> <p>—October treatment..... 375</p> <p>—Planting in the field..... 1309</p> <p>—Results of a peculiar season..... 479</p> <p>—Scott or Joost..... 888</p> <p>—Seedling..... 1118</p> <p>—Solid beds versus benches..... 59</p> <p>—Special fertilizers for..... 586</p> <p>—Spring treatment for plants indoors..... 1343</p> <p>—Stem rot, its causes and remedies..... 653</p> <p>—The Marquis, success with..... 1476</p> <p>—Topping plants in field..... 1610</p> <p>—Treatment for young plants..... 823</p> <p>—Up to date..... 374</p> <p>—Varieties of 1900, experiences with..... 949</p>	<p>Bloomington, Pa..... 692, 1708</p> <p>*"Bonnaillon"..... 570</p> <p>Borers in trees and shrubs..... 326</p> <p>Boston, 3, 30 190, 202, 238, 258, 286, 315, 346, 379, 412, 443, 483, 538, 567, 587, 627, 658, 688, 726, 755, 785, 828, 890, 897, 921, 956, 993, 1038, 1077, 1115, 1162, 1233, 1272, 1311, 1345, 1379, 1416, 1447, 1481, 1519, 1553, 1584, 1617, 1647, 1673, 1703, 1731, 1759, 1786.</p> <p>*Boston fern, growing the..... 477</p> <p>Boston, spring exhibition at..... 1147</p> <p>Boston through Quaker City spectacles..... 1580</p> <p>*Boston, dedicatory exhibition at 1579</p>		

*Euphorbia jacquiniiflora.....	1550	—Flow pipe, elevating the.....	1118	Louisville.....	212, 289, 366, 546, 742, 1016	—Brydon, John.....	1382
Evansville, Ind.....	1562	—Flows, a question of.....	414	1090, 1117, 1639, 1733.		Buckley, Henry P.....	1707
*Evergreens at the Pau-American	1702	Galvanized versus wrought pipe	1586	Lowell, Mass.....	705, 768, 802, 874, 944, 974	Cameron, Andrew.....	1447
*Ewell, Warren.....	82	—In zero weather.....	758	1006 1140, 1165, 1275, 1332, 1392, 1530		Cameron, Mrs. Robert.....	1348
Exact information wanted.....	1348	Main size of hot water.....	204	1602, 1620, 1649, 1718, 1736, 1804.		Carey, Patrick.....	831
Exhibitions, coming.....	260, 588, 318, 343	New range, a.....	165*	Lynn and thereabouts.....	12	Carmody, Mrs. J. D.....	1119
415, 446, 1734.		Packing joints.....	758			Chase, Leverett M.....	1511
Exhibitions, the:—		*Pipe support, Lonsdale's.....	374	M		*Cleveland, Horace W. S.....	661
—Andover, Mass.....	534	Piping.....	348, 630, 958, 1118, 1678, 1731	*McAdams, Andrew.....	473	Coles, Mrs. W. W.....	1485
—Baltimore.....	532	Piping a small house.....	958	Madison, N. J.....	757, 844, 1198	Converse, Mrs. A. S.....	1277
—Boston.....	473	Piping for hot water or steam.....	414	Madison, to be seen at.....	407	Cornu, Maxime.....	1382
—Chestnut Hill, Pa.....	533	Plan for.....	414	Madison, Wis.....	1039	Cesgrove, P.....	349
*Chicago.....	469	—Preservation of pipe.....	790	Manchester, Mass.....	18, 206	Cowing, Walter.....	1349
—Cold-Spring-on-Hudson, N. Y.....	504	Problems.....	1118, 1382	Manchester, N. H.....	757	Crall, Isaac S.....	997
—Denver.....	532	—Return pipes, size of.....	135	Mansfield, O.....	693, 1312	Crowley, Philip.....	791
—Hartford, Conn.....	475	—Returning water to boiler.....	348	Manual labor.....	1547	Cushing, N. H.....	1419
—Houston, Tex.....	561	—Rose house.....	1314	Marion, Ind.....	692	Davis, Dean.....	831
—Indianapolis.....	532	—Troubles with steam boiler.....	1418	*Massachusetts Horticultural So-		Davis, Lucius D.....	539
—Madison, N. J.....	533	win boilers.....	1276	ciety.....	1612	Dellert, Frederick.....	147
—Manches'er, Mass.....	565	Helpful reminders.....	98, 200, 261	*Mathison, Fred. R.....	718	Emann, Karl.....	791
—Mt. Kisco, N. Y.....	565	Herbaceous plant notes, 199, 1373, 1477	1670.	*May, John N.....	473	Fairbrother, Fred. A.....	1587
—Newport, R. I.....	563	Herbaceous plants, autumn work	405	*Meehan, Thomas.....	1146	Fancourt, William.....	1519
—Oceanic, N. J.....	565	among.....	405	Meetings of florists' clubs, 349, 487, 629		*Feney, John.....	1237
—Orange, N. J.....	564	Herbaceous plants for florists, 283, 853		693, 727, 796, 861, 1079, 1119, 1417, 1553		Fish, D. T.....	1451
*Philadelphia.....	529	Herbaceous plants in the Cats-	1756, 1783	1587, 1679.		Frost, Mrs. James.....	1419
—Poughkeepsie, N. Y.....	530	kills.....	1756, 1783	Melon house, the.....	1354	Galbraith, Wm.....	1761
—Providence, R. I.....	562	Herbaceous plants, the twelve best	954	Melon, the Rocky Ford.....	1794	*Galvin, John.....	1140
—St. Louis.....	561	996, 1043, 1152, 1236, 1314, 1312.		Meridian, Miss.....	693	Garland, Solomon.....	1619
—Tarrytown, N. Y.....	534	Herbaceous subjects for late plant-		Mignonette, fragrant.....	68	Gaskill, Geo. W.....	232
—Toronto.....	474	ing.....	171	Mignonette, pot culture of.....	1161	Glover, Edwin J.....	727
—Waco, Tex.....	565	*Hidalgo Wercklei.....	1476	Mild climate, houses for.....	1418	Gregory, Mrs. B. F.....	174
		Hide returned, that.....	24	*Miltonias at Boston.....	1615	Haeffner, Henry.....	903
F		Hillsdale, Mich.....	1126	Milwaukee.....	317, 420, 674, 696, 998, 1106	Hammond, William.....	832
Fall River, Mass.....	364, 1330, 1428, 1482	Holly bough, the.....	694	1220, 1347.		Harris, John H.....	1297
1855.		Holly, the trade in.....	76	Milwaukee after 1902 convention.....	1760	Henry, James.....	349
*Fernery at Lincoln Park, Chi-	1671	Horticultural education.....	1678	Minneapolis.....	680, 691, 744, 776, 810, 876	Hogan, Harvey J.....	925
cago.....	1671	Horticultural societies, too many.....	690	900, 938, 959, 1024, 1066, 1144, 1117, 1200		Hunt, Lawrence B.....	1519
*Fern grove at Chestnut Hill, Pa	1148	*Honnell, H. H.....	1611	1262, 1292, 1334, 1347, 1396, 1417, 1449		Ingram, Mrs. Chas.....	349
Ferns, the best commercial.....	1971	*Hydrangeas as pot plants.....	228	1483, 1526, 1554, 1585, 1616, 1649, 1689		Jeffrey, John A.....	349
Fertilizers a question of.....	1518	*Hydrangea culture.....	171	1708, 1746, 1759.		Johnson, Samuel G.....	759
Ficus elastica, propagation of.....	310	Hydrocyanic acid gas.....	1705	Mobile, Ala.....	708, 804	Kearney, Harry M.....	1761
*First to last, from.....	310	Hydrocyanic gas in violet houses.....	732	Moisture, greenhouse.....	1158	Kinnear, John.....	1761
Flies, some recent.....	987	Hygrometer, the.....	888	Montana, prosperity strikes.....	1375	Laing, John.....	175
*Fisher, Peter.....	987	I		Montgomery, Ala.....	413	Langlois, Father A. B.....	195
Flatbush, a peep at.....	254	Ice, the cost of.....	204	Montreal.....	272, 691, 770, 829, 923, 1018	Laves, Sir John B.....	205
Florists' clubs, meetings of.....	1705	Illinois State Agricultural College	1356	1038, 1274, 1364, 1492, 1652, 1796.		Leavitt, Herbert F.....	1519, 1546
Florists' Hail Association.....	125	1494.		*Mount Edmont.....	55	Lewis, E. C.....	539
Flowering plants for Memorial		Improvement Associations, na-	1494.	Moving large trees.....	702, 766, 838, 966	Liederley, Herman W.....	539
day.....	318, 348, 414	tional league of.....	1594	1048, 1413.		Lines, C. P.....	519
Flowers, the mission of.....	1728	*Inaugural ball decorations, 1147, 1155	1273.	Muncie, Ind.....	926	Longworth, Wm.....	759
Flushing, N. Y.....	36	Indiana florists, meeting of.....	785	Mushroom growing in cellars.....	736	Lucking, Edward.....	1555
Foliage plants, notes on.....	1510	Indianapolis.....	2, 3, 287, 336, 461, 659, 924	Mushroom houses, frogs in.....	631	Lugger, Otto.....	892
Forest City echoes.....	1564, 1596	1164, 1286, 1448, 1538, 1598, 1705, 1802.		Musings of a fool.....	1149	Lundberg, Frederick.....	892
Franklin, Pa.....	1284, 1417	*Indians gathering green in Wis-	596	*Muskmelons, a house of.....	1552	Lynn, Harrison A.....	415
Freesia, a pink.....	1886	consin.....	596	Mustard and cress.....	1310	Menard, Louis.....	69
Freight decision, a.....	1791	Insecticides, trials of.....	933	Nashville.....	27, 246, 432, 518, 76, 1026	Miller, George F.....	1081
Fremont, Neb.....	1062	Inventories for florists, 225, 281, 343, 373		1218, 1484.		Miller, Henry.....	539
French spelling, some.....	758, 890	*Iris Sus aua.....	1375	*N. phrolepis Wittboldii.....	65	Miller, W. E.....	1789
Fruit, the fatal bloom on.....	1562	Iron gutter, advantages of the.....	919	Newark, N. J.....	564	Mitchell, Arthur L.....	1651
Fuel, to reduce the cost of.....	570	Irrigation in California, nursery.....	638	Newark, O.....	506, 196	Mitchell, John.....	892
Fumigating, best methods of.....	1376	Is it possible?.....	1418	New Bedford, Mass.....	1366	Myra, Mrs. Lydia.....	892
1414, 1443, 1514.		*Italian garden at Auburndale,	1159	New Castle, Mass.....	1672	Norris, J. F.....	1382
*Funeral design, a German.....	131	Mass.....	1159	New Castle, Ind.....	138, 1654	Oatman, Clark.....	925
*Funeral piece, a hot weather.....	1783	J		New England park superintend-	1725	*Palmer, W. J., Sr.....	695
		Jacksonville, Ill.....	394	ents.....	232, 1725	Pierce, Wm.....	1081
G		Jamestown, N. Y.....	997	New Haven, Conn.....	48, 218, 278, 332, 426	Porter, Charles H.....	1237
Galveston tragedy, the.....	288	*Janzen's, show room at.....	257	493, 616, 678, 800.		Power, C. S.....	1237
Galveston subscription, the.....	382	Japanese floral decorative art.....	1586	New Jersey Floricultural Society,		Pridmore, Mrs. J. O.....	727
Galveston, Tex.....	260, 712, 772, 836, 976	Is it possible?.....	1418	annual dinner of.....	920	Pynaort, Edward.....	539
Gas dealer's reverie, a.....	798	*Judges of Chicago exhibition.....	473	New Orleans.....	34, 162, 428, 558, 590, 621	Robinson, James.....	925
Gas leaks in greenhouse.....	1450	K		784, 906, 1286, 1517, 1796.		Rohrer, Abram D.....	1315
Geraniums, diseased.....	1554	Kafir coro in Kansas.....	1712	*New plants, Wm. Duckham on.....	1642	Saunders, Sir Edwin.....	1277
Geraniums, bedding.....	1035	Kalamazoo, Mich.....	14, 679, 1102, 1296	Newport rose show, the.....	176	Saunders, William.....	232
Geraniums, unhealthy.....	1277	Kansas City.....	300, 776, 980, 1184, 1254	New York.....	8, 30, 66, 173, 204, 229, 257	Schiller, Herman.....	1485
Gerbera Jamesoni.....	133, 1578	*Kasting, Wm. F.....	124	253, 314, 346, 378, 411, 443, 483, 536, 567		Schrader, C.....	925
Gibson City, Ill.....	1214	*Keitsch, Charles H.....	1110	596, 627, 657, 687, 724, 755, 788, 826, 859		Scrivner, Charles.....	759
Glass, the price of.....	830, 862, 1180	*Kennicott, Flint.....	691	889, 921, 955, 993, 1037, 1075, 1114, 1163		Shaff, Joseph.....	1587
Glazing a carnation house.....	1484	Knoxville, Tenn.....	485	1232, 1272, 1311, 1346, 1378, 1415, 1445		Sloan, Mrs. James.....	892
*Graceland Cemetery, Chicago,		Kretiling bombards crape chasers.....	754	1481, 1516, 1552, 1584, 1614, 1618, 1675		Smith-Carington, Richard.....	1040
views in.....	377, 378, 1479	*Kretiling, Miss Annie.....	530	1716, 1732, 1758, 1787.		Smith, Thomas.....	1518
Grafting, modern.....	964	*Krick's Pan-American exhibit.....	1784	*New York Florists' Club, conven-		Stockdale, Joseph P.....	1040
Grand Rapids, Mich.....	90, 1588	L		tion home of.....	1785	Thompson, John.....	1485
Greenfield, Mass.....	1636	Landscaping as a part of the flo-		New York hotels.....	6	Thorp, Mrs. John.....	1619
Greenhouses, plan for.....	1554	rists' business.....	1478	New Zealand, plant life in.....	55	Veitch, Archibald.....	892
Greenhouse construction, iron vs.		*Langjahr, A. H.....	854	Niagara Falls, nurserymen at.....	1858	*Veitch, Robert.....	1040
wood in.....	885	*Lawson metal, the.....	990	Nicotine, syringing with.....	382	Vestal, Frank.....	1555
Greenhouse construction, what I		*Leaders, two European.....	565	Nitrate of soda for lawns.....	1348	*Walz, Fred. S.....	791
think I know about.....	128	Leonard insurance cases, the.....	666, 700	Notes in passing.....	1444	Ware, Thomas S.....	1679
Greenhouses, summer work in the		1634.		Novelties, about.....	92	Wendell, T. C.....	205
57		*Lettuce industry in Ohio.....	1378	*Nugent, John B.....	1070	White, Charles W.....	1789
*Grosae Pointe Farms, orchid		Lettuce roots decay.....	1418	Nurserymen meet, western whole-		Willey, J. L.....	174
houses at.....	1443	Lilies for Christmas and Eaater.....	1	sale.....	702	Williams, Thomas A.....	759
Growing, making a start at.....	137	Lilies, forcing.....	1166	Nurserymen's Mutual Protective		Wolf, Julius, Sr.....	1237
		Lilies, hot treatment for.....	958	Association.....	1626	Woodward, David R.....	1237
H		*Lilium auratum, a huge.....	594	Nursery trade, the spring.....	1458	Worden, Schuyler.....	892
*Haerens Bros., establishment of.....	1156	Lilium longitorum, late planted.....	1644	*Nymphaea "Best Red".....	1478	Wright, David S.....	661
*Halifax, parks of.....	1309	*Lily disease, the Bermuda.....	952	Nymphaea Capensis and N. coru-		Xavier, Henry.....	1679
Harrisburg, Pa.....	693	Lily of the valley for forcing.....	1158	lea.....	1034	Yates, David G.....	69
Harrison, Orlando.....	144	Lime and manure, mixing.....	600, 630	*Nymphaea corulea and N. scuti-		Oceanic, N. J.....	135
Hartail, trouble with.....	1518	Lincoln, Neb.....	74, 676, 693, 760, 894, 936	folia.....	886	Odontoglossum crispum in Bel-	686
Hartford, Conn.....	1250, 1288, 1356, 1430	1014, 1048, 1196, 1286, 1354, 1420, 1492	1536, 1574, 1666.	Nymphaea Froebeli.....	1034	Bel-	686
1600.		Little Rock, Ark.....	728			gium.....	686
*Hauswirth family, the.....	532	London.....	284, 345, 596			Obi Willis N.....	136
*Heacock's delivery wagon.....	720	London, Ont.....	744, 1165, 1324, 1744, 1748			*Olmsted, Frederick Law.....	1150
Heating:—		1776.				*Olmsted Park, Boston.....	1151
—Boiler, a coil.....	1788	Longillorum exportations, Japan-				Omaha.....	266, 636, 1138, 1336, 1534, 1555
—Boiler and steam traps.....	1760	ese.....	666			1762.	
—Boiler, capacity of.....	204, 348, 1484	*Long-stemmed flowers, device to				*O'Mara, Patrick.....	123, 473
—Boiler and piping.....	382, 414, 1678	hold.....	344			Onion growing.....	1320
—Boilers, elevating.....	142	Los Angeles.....	182, 220, 599			Onion sets.....	74
—Boils, relative value of.....	1040	*Los Angeles, President and Mrs.				Orange, N. J.....	231, 370, 1136, 1448
—Canadian house, piping a.....	1484	McKinley at.....	1582			*Orchids and their treatment.....	1441
—Carnation house, a.....	1555, 160					*Orchids, bouquet of.....	127
—Changing pipes.....	758					*Orchids in birch bark receptacle.....	950
—Connecting main pipes.....	892					Orchids, seasonable notes on.....	593
—Connecting pipe with heater.....	859					Ottawa, Ont.....	1360
—Directions, a divergence of.....	200					P	
—Flue, a long.....	790					Packing and shipping cut flowers.....	437
—Flue, with a.....	378					*Packing chrysanthemum blooms.....	476
—Flues, dirty.....	758					Paonia growers, to.....	1518
—Flues to hot water, from.....	892, 1485					*Paonia in the west, the.....	1674
						*Palmer & Son, cup awarded.....	1272

Palm culture in Belgium.....	567
Palms, injured foliage of.....	1276
Palms, troubles with.....	1554
*Pan-American cup and vase, the.....	1566
Pan-American Exposition, N. J. 172, 232	
*182, 627, 822, *8, 1073, 1342, 1348	
1476, 1578, 1626, *1645, *1673, *7, 701	
*1729, *1757, *1785	
Pan-American floral exhibitions.....	1450
*Pan-American, horticulture at	
the.....	1673
*Pandanus Sanderii.....	886, 921
Pansy culture in northern states, 257	
Paris.....	201, 313, 594, 1271
Paris exposition, jurors at.....	74
Parks, in Chicago.....	1048
Park improvements.....	1686
Parks, news of new.....	1742
Park walks, cinders for.....	1281
Pesttimes, our:—	
*Bowlers, chief of the.....	146
*Bowlers, to the.....	212
*Chicago felicitates herself.....	424
*Chicago's laurels.....	184
*Chicago visits Milwaukee.....	902
*Convention contest, the New	
York.....	148
*Convention trophies.....	78, 1798
*Dinner wagers at Boston, pay-	
ing.....	328
*Friday night bowlers win.....	704
*Gunnery contest at New York.....	146
*New York defeats Flatbush.....	1770
*New York matters.....	181
*Outing of New York Florists'	
Club.....	1741
*Philadelphia visits Trenton.....	988
*Syracuse visits Utica.....	1128
Tournament, echoes of the New	
York.....	184
*Utica visits Syracuse.....	968
*With Philadelphia gunners.....	458, 582
800, 1286, 1460.	
Paterson, N. J. 778, 818, 1400, 1449, 1574	
*Paulownia imperialis.....	731
Pawtucket, R. I.....	1483
Pea louse, the destructive.....	836
Pennsylvania Horticultural Soci-	
ety.....	216, 1544, 1786
Peoria, Ill. 48, 234, 317, 428, 1666, 1126	
Pepper's Prolific tomato.....	38
Perennials, propagating hardy.....	917
Perennial, what is a hardy?.....	168
*Pernet, Joseph.....	342
Perversity of human nature, the.....	1314
Petoskey, Mich.....	46
*Petunia, Howard's Star.....	201
Phil A. Delphia.....	1382
Philadelphia.....	4, 30, 66, 173, 202, 230
258, 287, 318, 358, 379, 411, 444, 481, 548	
508, 598, 628, 659, 689, 736, 788, 826, 861	
890, 921, 968, 994, 1038, 1077, 1116, 1163	
1235, 1273, 1313, 1346, 1380, 1447, 1481	
1517, 1552, 1584, 1617, 1647, 1677, 1701	
1732, 1759, 1787.	
*Philadelphia farmers' institute.....	821
*Philadelphia spring show.....	1231
*Phyllocactus Deutsche Kaiserin.....	406
*Pierson Company's Pan-American	
exhibits.....	1755
*Pieser, E. E.....	691
*Pieser, G. H.....	691
*Pierson Company's cup.....	440
Pittsburg.....	670, 757, 829, 861, 902, 923
995, 1038, 1128, 1174, 1285, 1, 900, 1313	
1402, 1447, 1494, 1542, 1564, 1592, 1632	
1647, 1720.	
Plant breeding.....	1155
Plant grower, work of the.....	341, 489
781, 950, 1157.	
Plant introducers, notice to.....	200
Plant notes.....	1609
Plant notes, English.....	198, 1730
Plants, a succession of.....	782
Plants for baskets and pans.....	626
*Plants for design work.....	1477
*Plants for florists, two desirable.....	1035
*Plants of easy culture an har-	
monious arrangement of.....	625
Plants, profitable winter blooming	
448	
Plantmen, in the world of.....	344
*Plath, H.....	1726
*Poehlmann greenhouses, the.....	953
Poinsettias, to follow.....	1451
Port Chester, N. Y.....	194, 738
Portland, Ore.....	1438
*Poster, the Chicago.....	438
Poughkeepsie, N. Y.....	1275
Prices too low.....	1650
*Primula obconica grandiflora.....	1367
*Primulas, two new.....	1578
*Prizes of Horticultural Society of	
Chicago.....	430
Progress, evidences of.....	1528
Protest, a Japanese.....	964
Providence, R. I. 16, 152, 270, 569, 864	
1806, 1745, 1753.	
Pruning trees and shrubs.....	1410
*Psychrometer, the.....	1230
Publications received.....	63, 759
Pyrethrum "The Pearl".....	348

Q

*Queen Victoria's acknowledgment	
of the receipt of Queen of	
Edgely roses.....	858
Quincy, Ill.....	384, 768, 1224

R

Racine, Wis.....	1264
*Rafflesia about.....	1702

Railroad fares for Canadians.....	32
Railroad greenhouse has come to	
stay.....	1166
*Rainbow City, rambles in.....	1701
Red spider, experiences with.....	1156
Renaming sports, ethics of.....	570, 6, 0
*Retailer, it's up to the.....	448
Retail Nurserymen's Protective	
Association.....	1626
Retarding plants, Rochford's sys-	
tem of.....	654
Reward—Stolten.....	174
Richmond, Ind.....	1078
Right for right's sake.....	53
Road and walk-cleaning machine.....	1702
Rochester, N. Y.....	746, 1648
*Rochester, seedsmen at.....	1656
*Rockery, a greenhouse.....	918
*Rosarian, a noted French.....	342
Rose:—	
*"Flush o' Dawn".....	407
*"Ivory, White Golden Gate".....	1150
*"Marquise Litta".....	1151
*"Pink Pearl".....	57
*"Queen of Edgely".....	442, 163, 71
*"Robert Scott".....	685, *1, 70
*"Snow flake".....	227
*"Soleil d'Or".....	375
Rose and its future, the.....	1511
Rose, the.....	133
Roses:—	
*American Beauty, growing.....	172
*American Beauty, short stem-	
med.....	1070
*Backward Bride and Bridesmaid	
.....	858
*Best, the.....	486
*Blind wood, shriveling of.....	686
*Buds coming green.....	1, 76
*"Crimson Kambars at the Pan-	
American.....	1755
*Culture of Perle des Jardins.....	1611
*Dis-ased brides and Brides-	
maids.....	60
*Dying of.....	686
*Eel worms in benches.....	1113
*Field grown for the trade.....	1611
*General remarks ancient.....	1153
*Golden Gate and Queen of	
Edgely.....	1672
*"Injur'd Brides".....	414
*Judging new.....	1379
*Kaiserin at Kokomo.....	738
*Liberty.....	409, 1154
*Liberty temperature for.....	1040
*Mid season notes.....	685
*New varieties of merit.....	1109
*Not-s on garden.....	1241
*Pink Pearl, hardness of.....	260
*Queen of Edgely.....	1273
*Queen of Edgely in England.....	824
*Regulating the crop.....	382
*Shading.....	173
*Solid beds, Bride and Brides-	
maid.....	1670
*Souvenir du Pres. Carnot four	
years in solid bed.....	1414
*Stocks for grafting.....	1509, 1591
*Trouble with Bride and Brides-	
maid.....	858
*Two-year-old plants.....	1618
*Up to date.....	197
*Watering.....	204
*Wet weather varieties.....	1072
*Wild roses in Boston park-	
ways.....	1513
Rudbeckia Golden Glow.....	289
Rudd ratiocinates some more.....	411
Russian florist's view, a.....	1975

S

Saginaw, Mich.....	638
Salt Lake City.....	659, 1362, 1468, 1498
1806.	
*Sander cup, the.....	408
*Sander, Fred.....	565
*"Sander's Orchid Guide".....	1767
San Diego, Cal.....	190
San Francisco.....	829, 892, 995, 1130, 1275
1316, 1398, 1520, 1570, 1596, 1648, 1732	
1789.	
San Jose scale in New York.....	1576, 1796
San Jose scale, plants subject to	
attack of.....	296
San Jose scale, regulations re-	
garding.....	356
Sap, the flow of.....	1390
*Sargent, Prof. C. S.....	1611
Seranton, Pa.....	692, 1052, 1100, 1204
*Schultz, Jacob, establishment of	
.....	626
*Schwerin, Edw., wrecked houses	
of.....	824
Scott of Buffalo, Mr.....	32
*Scott, Wm.....	146
*Seattle, Wash.....	114, 485
Seed contract, the government.....	760, 1456
Seed crop reports, July 10.....	1740
Seed crops at Waterloo, Neb.....	294
Seed crops, California.....	1684
Seed crops, European.....	1766
Seed crops, French.....	324, 1242
Seed distribution, let See'y Wilson	
explain.....	1354
Seed distribution, Morton decries.....	1282
Seed, government lettuce proves	
unions.....	1156
Seed, gratuitous.....	1524
Seed harvest, the.....	388
Seed notes, California.....	638

Seed outlook at Santa Clara.....	1282
Seed shipments, delay in radish.....	1282
Seed shop, the government.....	686, 700
734, 761.	
Seed trade at Rockford, the mail.....	1560
Seed trade of 1911, the.....	1388
Seed trade, the mail.....	1002
Seedlings, notes on raising.....	895
Seeds and temperature.....	90
Seeds are grown, where.....	1712, 1766
Seeds, cleaning melon.....	172
Seeds, destroying insects in.....	732
Seeds, free.....	1046
Seeds, government.....	1388 *1424 1561
Seeds in Wisconsin, tree.....	1681
Seeds, ornamental.....	118
Seedsmen as M. P. Scottish-Can-	
adian.....	732
Seedsmen protest, wholesale.....	866
Shaded greenhouse use for a.....	1554
Sharon, Pa.....	612
*"Sheridan, Walter F.....	658
*"Shrubbery for forcing.....	410
*"Shrubs in cemeteries, the use of.....	376
Sidney, O.....	614
Sioux City, Ia.....	494
Smilax, temperature for.....	1080
*Smith, Wm. R.....	1475
*Snauls, trouble with.....	1237
Society of American Florists.....	32
*Affiliated societies, the question	
of.....	1509, 1545, 1618
*Annual report, the.....	570
*Constitution adopted under	
national charter.....	1473
*Convention, the New York.....	121
*Department of plant registra-	
tion.....	68, 136, 261, 318, 382, 414, 446
570, 660, 694, 790, 921, 1040, 1586, 1760	
*Executive committee meeting.....	924
1110.	
*Greeting to members.....	830
*Incorporation bill, the.....	862
*Medal, history of the.....	54
*National charter achieved at	
last.....	1, 80, 1236
*Preliminary convention bulletin.....	1726
*State vice-presidents.....	892
*Transportation to Buffalo.....	1678
*Sul troubles.....	1, 81
solanum Wendlandii.....	1074
South African floriculture.....	17, 0
Sou h Bend, Ind.....	616
*South Park Floral Co., guests of	
the.....	1111
*Southern growers, among.....	1377
*Sow bugs or woodlice.....	1734
*"Spirea Gladstone".....	1270
*"Spirea Washington".....	1271
*Sprigs from the spice bush.....	719
Springfield, Ill.....	1184
Springfield, Mass.....	558, 838, 1162, 1142
1261, 1396, 1468, 1538, 1581, 1619.	
Springfield, O.....	356
*"Spruce, the pendulous blue.....	1161
*"St. Paul, the fungus of.....	1415
*Stephanotis floribunda.....	1074
St. Joseph, Mo.....	588, 1448, 1562
St. Louis.....	5, 40, 78, 150, 186, 210, 231
259, 287, 317, 381, 445, 484, 537, 569, 614	
629, 659, 690, 736, 816, 828, 861, 910, 922	
995, 1038, 1078, 1117, 1163, 1258, 1274	
1313, 1346, 1384, 1428, 1466, 1482, 1549	
1553, 1585, 1647, 1679, 1761, 1790.	
Steaks, seeding for double flowers.....	1124
St. ore:—	
*"Amling, E. C., Chicago.....	345
*"Clarke Bros., Portland, Ore.....	888
*"Daniels & Fisher, Denver.....	1477
*"Mand, Alex. Jr., San Francisco.....	1514
*"Stump, Geo. M., New York.....	781
*"Walabart, Geo., St. Louis, Mo.....	1376
St. Paul.....	169, 356, 714, 8, 6, 1050, 1432
1584, 1778.	
Suit, that novel.....	1277
Sunflowers, hybrid.....	1618
Sweet Peas, an English selection.....	38
Sweet pea conference, English.....	2, *28
*Sweet Pea Cream of Brockham-	
pton.....	3
Sweet pea Cupid.....	1271
Sweet pea notes.....	982, 1238, 1841
Sweet pea show, Pan American.....	1101
176.	
Sweet peas in pots.....	256, 1698
Sweet peas, the classification of.....	58, 310
*Sweet peas, the cultivation of.....	342
Sweet pea troubles.....	1706
Syracuse, N. Y.....	212, 1060, 1679, 1248
1300, 1326, 1394, 1420, 1470, 1502, 1566	

T

*Table decoration, a handsome.....	823
Tarrytown, N. Y.....	319, 774, 923, 1098
1275, 1438, 1631, 1675.	
*Taylor, John H.....	1154
Temperature indicator.....	414, 486
Terre Haute, Ind.....	1212
*Thalictrum aquilegifolium.....	1234
Thermostats, greenhouse.....	998
Tiffin, O.....	692, 1312
Tupp-ka, Kans.....	1806
Toronto.....	454, 484, 539, 569, 618, 629, 681
690, 757, 812, 840, 808, 904, 981, 1014	
1058, 1106, 1116, 1210, 1298, 1368, 1404	
1449, 1506, 1528, 1555, 1617, 1648, 1722	
1733, 1774.	
*Trade history, a bit of.....	691
Trade, the Christmas.....	717, 749, 781

Trade, the Easter.....	13, 5, 1343
Trace exhibit, entries for the Buf-	
falo.....	1728, 1756, 1783
Tree seeds, about.....	422
Trees, the effect of electric light	
on.....	1088
Tribulations of the retail florist.....	300
Troy, N. Y.....	749, 846, 1192
*Tulip Couronne d'Or.....	90
Twenty-five cents on the dollar.....	32

U

Unfair competition.....	836
Utica, N. Y.....	381, 1402, 1449, 1482

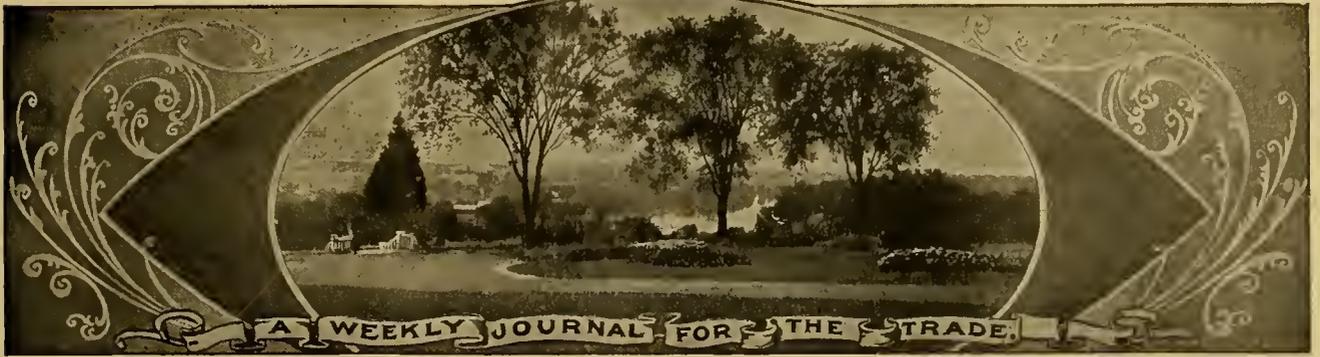
V

Vancouver, B. C.....	1275
*"Variety, the spice of life".....	1757
*Vase, the Clara cemetery.....	1344
Ventilation, greenhouse.....	227
Verbenas culture.....	996
Verbenas, preparation of.....	192
Vesey greenhouse benches, the.....	791
*Viburnum macrocephalum.....	1547
Vilmorin's employes, outing of.....	1794
Vines, notes on hardy.....	481
Violet culture.....	1034
Violet growing, a Canadian meth-	
od of.....	754
Violet industry, Rhinebeck's.....	198
Violet runners.....	660
Violet, spot disease of the.....	623
Violets, growing good.....	1374
Violets showing green centers.....	996
*Violets under maple.....	376

W

Waban conservatories, interest at.....	441
*Walker, John.....	198
Ward heirs go to law.....	830
Warranty case, an orchid.....	1788
Washington.....	18, 40, 192, 222, 244, 287
338, 394, 413, 452, 492, 569, 647, 682, 710	
738, 772, 808, 848, 884, 914, 942, 978, 1012	
1041, 1078, 1117, 1165, 1275, 1332, 1360	
1384, 1449, 1483, 1517, 1553, 1602, 1617	
1688, 1745, 1736, 1787.	
Waterbury Conn.....	814
Water garden and its surround-	
ings, the.....	1229
Water gardens, Dawson on.....	1413
Water pressure.....	1118
Water tank and boiler.....	46
Water tank, pressure from.....	348
Watertown, N. Y.....	972
*Wedding decoration, the Sharpes-	
Clemson.....	1675
*Weiland, Peter.....	1072
Welfare of the S. A. F., the.....	1055
West is burning up the.....	1788
Westcott Rod and Gun Club, house	
warming of the.....	1699
Western Seedsmen's Association.....	1624
West Hoboken, N. J.....	692
Wheeling, W. Va.....	494
When in doubt send flowers.....	65
White fly, the.....	48
White-grub deformed buds.....	959
Whitewash, adhesive.....	318
Wholesale and retail florists, rela-	
tions of.....	1073
Wholesale rose growing, experi-	
ences.....	625
Wholesale Seed Merchants' League.....	1614
Wichita, Kans.....	1252
Wilkesbarre, Pa.....	17, 7
Williamsport, Pa.....	330
Wilmington, Del.....	893
Wireworms, to banish.....	1236, 1647
Wistarias in pots.....	1704
*With the growers.....	
*Wassett & Washburn, Hinsdale.....	887
*Wad	

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, AUGUST 4, 1900.

No. 635.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August 21 to 24, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., secretary.

THIS ISSUE 28 PAGES WITH COVER.

CONTENTS.

Lilies for Christmas and Easter.....	1
The sweet pea conference.....	2
Conventions at expositions.....	2
With the growers—J. A. Budlong, Chicago, Ill.	2
Sweet pea Cream of Brockhampton (illus.).....	3
Boston.....	3
Inception of the sweet pea conference (illus.).....	4
Philadelphia.....	4
Chicago.....	4
Detroit.....	5
St. Louis.....	5
Chicago to New York.....	5
A hint to conventionites.....	6
Buffalo to New York.....	6
New York hotels.....	6
Catalogues received.....	6
Obituary—John Mitchell.....	6
—George C. Bliss.....	6
—C. H. B. Breck (portrait).....	6
New York.....	8
The seed trade.....	12
Lynn and thereabouts.....	12
The nursery trade.....	14
—Kalamazoo, Mich.....	14
Our pastimes—At St. Louis.....	16
—At New York.....	16
—At Detroit.....	16
—At Chicago.....	16
Providence.....	16
Washington.....	18
Manchester, Mass.....	18
Nashville.....	20
Baltimore.....	22

Lilies for Christmas and Easter.

As this is the period at which growers begin to receive their consignments of lily bulbs for Christmas and Easter flowering, a few remarks on these plants will not be out of place. Current report has it that this year's stock of bulbs is arriving in better condition than heretofore, owing to the fact that the growers in Bermuda are awakening to a realizing sense of the difficulties which have attended the forcing of their bulbs in recent seasons and also, I suppose, to the fact that the government has taken a hand in the matter and is assisting in checking the lily disease. That the bulb growers are exercising greater care is good news, but we shall, of course, await the flowering season before fully accepting the roseate reports. However, I am sure we shall be more than satisfied if the present predictions prove true. Some of our most extensive dealers last year guaranteed that not over five per cent of their bulbs should show disease, and while some of them were compelled to make good their guarantees, the practice has become more general this season and is certainly encouraging after the heavy percentage of loss in the past few years.

But two of the many lilies now in cultivation are grown for winter flowering, mainly because these are the ones which do best under glass and are most in demand for decorative work, white lilies being largely required for this purpose. The two alluded to are *Lilium longiflorum* and *L. candidum*. The last mentioned is sometimes called the annunciation lily. It is yet grown to some extent by certain florists, mainly for decorative work, as it is well adapted to floral designs. Home grown bulbs are much to be preferred to those which are imported, as there is always danger of their heating in transit. Then, too, vegetation in this climate is much more rapid than in Europe and consequently home grown bulbs have had a longer period of rest than those from abroad and come into bloom much sooner after being brought into heat.

The best way to handle *L. candidum* is to pot the bulbs as soon as they can be obtained, in 6-inch pots or larger, according to the size of the bulb. Use a rich loam but avoid fresh manures, as they are detrimental. Plunge the pots to the rims in ashes, or some material of this kind, and leave them outdoors in frames, where they will get plenty of air and light. Growth will soon commence and then the plants may be watered freely

until freezing weather comes. Then cover the frames with sash or shutters, using a great deal of care to hold the plants in the proper condition for moving into the house as required. They can be brought in at any time after having a short rest, but January 1 will probably be as early as one would care to start them for succession. Grow them on in a cool house, where they can have plenty of light and air, as if overheated or crowded they will become weak, spindly and a prey to insects. They will come into bloom in about ten weeks if kept as nearly as possible in a temperature of 60° by day and 40° at night.

Lilium longiflorum eximium was first introduced to the florists of this country by Wm. K. Harris, the widely known and popular president of the Florists' Club of Philadelphia, by whose name it is generally known. The bulbs are grown in Bermuda and complete their growth before October. The earliness of the Bermuda lilies is very important as they will perfect their flowers in the greenhouse fully six weeks earlier than those which come from the north.

In the cultivation of *L. Harrisii* I find the best plan is to pot them up as soon as the bulbs are received, this being generally about August 1 or a little later. It would be a hard matter to give a formula for soil which would be available in all locations, but suffice it to say that almost any good loam will answer the purpose if enriched by liberal quantities of well decomposed cow manure or bone meal. Bulbs between four and five inches in circumference should be put in 6-inch pots. Smaller bulbs will do well in 5-inch pots. None but the extra large bulbs forced for exhibition purposes will require larger than 8-inch pots. I have found it unsatisfactory to plant more than one bulb in a pot, for they very rarely expand all at the same time and customers do not care to buy plants with many unopen buds. It is one of the peculiar characteristics of this lily that, no matter how carefully you grade the bulbs, applying the same treatment to all, there will be a marked difference in their blooming period.

Do not pot the bulbs too firmly or set them more than half an inch below the rim of the pot, which may be plunged outside in ashes or soil with a covering of one or two inches of the same material to prevent evaporation, for the bulbs must be kept moist and cool. It is also necessary to exclude light and air, else the leaf action will commence before the bulbs have formed roots and this is

highly undesirable. If an active growth has commenced, the bulbs may be brought into the greenhouse at any time during September and forced for early blooming, but after having been started along they should never be allowed to receive a check and an even temperature, careful watering and a free circulation of air must be provided to obtain the best results. After growth is fairly started, a temperature of from 70° to 80° by day and 10° lower at night has proven best with me.

I have found small bulbs invariably the best to force for Christmas flowering where the stalks are to be cut for decorative uses. It does not take so long to bring these bulbs into flower as it does larger ones, and they are the only stock which can be depended on for this purpose. The temperature given plants for Christmas flowering should be at least 5° higher than is required where a longer time is allowed. *Lilium longiflorum* requires about the same treatment as I have outlined for *L. Harrisii*, but it is later in coming into bloom. The flowers are smaller but more enduring than those of *L. Harrisii* and will be much better if the plants are grown in a temperature about 10° below that given the latter variety. Bermuda grown longiflorums come into bloom quicker than Dutch bulbs because they are ripened earlier, but I find the Dutch stock preferable because of the low, compact character of the plants, their equal floriferousness and the fact that they will last long after *Harrisii* has made its exit. In fact, longiflorums may be had almost the whole year around and the writer has often had them up to August 1 as good as any lilies were at Easter.

My experience has been that if growers will only take care of lilies as they do other stock, and see to it that the potting is properly done and the plants brought in from outside at the proper time—before they become spindly—staged promptly and given the desired temperature from start to finish, that they are not overcrowded but given enough room to breathe, with a fair proportion of good fresh air, I think the large percentage of diseased lilies will be materially decreased. The writer the past season had only one hundred diseased lilies out of 5000 plants. Some others I know of had just as good success, while I know of many who had not more than 200 healthy lilies out of the same number of plants. I attribute this to overcrowding and an uneven temperature. Extra care must be taken of the lilies if one expects to make a success of them.

C. H. RONEY.

The Sweet Pea Conference.

This is written upon the eve of the sweet pea show and conference, when everything tends to show that this will be a most important event. There will undoubtedly be plenty of work for the judges, and for the classification committee. If this latter work is done thoroughly, which I believe will be the case, it will greatly assist all those interested in the culture of this flower, for those who have no opportunity to inspect large collections will be able to select the best and most distinct varieties without going in for a large number of sorts. That the judges will be busy may be inferred from the fact that 3600 vases will be required for the exhibits in the competitive classes. The secretary writes me that there will be an average of from

ten to fifteen entries in every class and, in addition to this, a large number have applied for spaces for non-competitive exhibits. The work of classification will be left until Saturday morning, when the whole of the executive committee will work with the assistance of several other specialists. One great advantage in holding this important show at the Crystal Palace is that there will be no limit to space and all provision is being made that the exhibits may be staged in the best possible manner.

The visit to Hurst & Son's trial grounds was a great success, the sweet peas being in splendid condition. Upwards of 200 samples were on view and after going carefully through them from forty to fifty were selected as being worthy of the highest number of marks,



THE LATE CHARLES H. B. BRECK. (SEE PAGE 6.)

but as this list may be revised after seeing other varieties at the show, I will not send it with these notes. In addition to the committee a number of other friends joined in the trip to the trial grounds, Sir W. P. Treolar, the president, being among them. H.

Conventions at Expositions.

WM. MURPHY, CINCINNATI, O.

I should think that an exposition would be a great inducement for the trade to attend the S. A. F. convention, if they were held in the same city; it certainly would be in my case.

GEO. E. FANCOURT, WILKESBARRE, PA.

I am decidedly in favor of holding our conventions in exposition cities. Both being educational institutions, they have an affinity and members at long distances will be more likely to respond to the double inducement. Particularly will this be the case if this year's convention decides to meet in Buffalo in 1901, as the horticultural exhibition at the Pan-American will be a special feature. I predict a large addition to the membership of the S. A. F. by going to Buffalo in 1901.

C. W. WARD, QUEENS, N. Y.

I will briefly state what, in my opinion, are the disadvantages to the S. A. F. in

holding its convention in a city when an exposition is in progress. The first would be the difficulty of getting proper hotel accommodations; second, the probable advance in hotel rates which the members would have to pay; third, some distraction from the attendance of the daily meetings. The advantages would be quite large to the individual members. In the first instance, it would enable the attending members to kill two birds with one stone; that is, attending the annual convention as well as seeing the exposition, and probably quite a number of distant florists would attend under these circumstances who would not attend under ordinary conditions, and probably the society would gain some few members upon that account. I do not think that the holding of the convention in the city would prevent or destroy the interest of the local florists, and we would probably get as many additional members from the locality where the convention was held as if no exposition was held there at the same time. The members of the society would also reap another advantage, and here I would suggest that we refer to holding the S. A. F. convention in the city of Buffalo next year, when the Pan-American Exposition will be in progress. This latter advantage would be the opportunity that the different members of the society would have of visiting and observing the horticultural display which will be held in connection with the exposition. This, I think, on the whole, would be a material advantage to every member who is interested in that sort of work. Taking into consideration the advantages and disadvantages, I think that there would not be any serious disadvantage to the society itself and that the advantages to the individual members would be sufficiently large to counterbalance any slight disadvantage that might accrue to the S. A. F. as an organization.

WITH THE GROWERS.

J. A. BUDLONG, CHICAGO, ILL.

Out at Bowmanville they have just finished planting a pretty fair sized rose house; it is 175x300 and a man in one corner cannot make a man in the farther corner hear, even if he shout his loudest. Although there is no partition wall in this house, it is, of course, really seven houses, three of the structures having been put up in 1899 and four added this summer. The sash bars are twelve feet on the south side of the ridges, fourteen on the north. A. Dietsch & Co. furnished the material, principally California cedar, which would have been used throughout had it been obtainable at the moment. Mr. Budlong thinks this lumber cheaper than cypress, although it costs more. Of course Adam Schillo supplied the posts and bench material for the big house, as he is the favorite lumberman for all the big growers north of town.

All the middle benches in this big house are planted with Beauties and the outside benches with Brides and Bridesmaids. Mr. Budlong has increased his planting of each variety grown this year and has doubled on Meteor, finding that it is a most profitable crop. He keeps a careful count of cut and sales and knows just what money every bench brings him. Incidentally it may be mentioned that Bride and Bridesmaid pay him better than Beauty, although he has equal cultural success with the latter.

Mr. Budlong now has 115,000 square feet of glass and is benching quite a lot of Golden Gate and Liberty. He has always

been a conservative in the matter of new sorts but has in mind the protection of his business in plants. This year's sales of young stock were just double those of a year ago, which means a tremendous increase, and he aims to be able to supply all the leading forcing roses in any desired quantity, a feature of this year's transactions being that very few of the orders were for small lots.

The Budlong establishment is heated by steam from a battery of four boilers which is shortly to undergo considerable improvement. Two new boilers of large capacity are to take the places of two which are to be withdrawn from the battery, one to go to the second-hand men, the other to be used under high pressure to run the pumps and the smoke consumer. This smoke consumer is a new thing. It is operated on what is known as the steam jet principle, a thin sheet of steam under pressure serving to drive the smoke down into the fire, with the result that the products of combustion are almost invisible as they pass out of the chimney. Of course a smoke consumer entails expense but Mr. Budlong thinks it increases the capacity of the boilers twenty-five per cent, aside from its cleanliness. One of the interesting new things about the place is the steam flue-cleaner invented by A. H. Budlong, upon which he expects to procure a patent. This is a movable apparatus operating at the back of the flues, forcing a quarter-inch stream of steam through the flues with such force that ten seconds serves to clean a row thoroughly and a minute serves to go through all the flues in the boiler.

Mr. Budlong tried a new coal last winter, with the result that he has contracted with Hull & Co. for forty carloads, which he expects to carry him through the winter. It was in zero weather in January when Mr. Budlong got in his first car of this coal, which is known as Thacker Splint, and he was running all four boilers to their limit. As soon as he began using the new supply the fireman dropped one boiler, finding that three would do the work, and this season Mr. Budlong expects the same number of tons of coal he used last season to carry him through, with 30,000 feet of glass added to the range; he thinks the Thacker coal makes just that much hotter fire. He says that its other advantages are that there are no lumps to break, that it burns up clean, with little ashes and no clinkers, and does not slack; in a word, that it is the best and strongest steam coal he has yet found. It is mined in West Virginia and laid down in Chicago costs a little more than block.

Boston.

BUSINESS SHOWS DECIDED IMPROVEMENT.
—SEASHORE DEMAND INCREASING.—GOOD ROSES NOW OBTAINABLE.—THE SATURDAY SHOW AT HORTICULTURAL HALL.—RAIN OF GREAT BENEFIT TO OUTDOOR MATERIAL.—BLOOMING SHRUBS AT THE ARNOLD ARBORETUM.—A VISIT TO MALDEN.

Business is decidedly better this week and it appears that the excessively dull spell that has held sway during the greater part of July has about run itself out. The summer resorts are beginning to be heard from in a timid sort of way. For the demand that may reasonably be expected from this source for a few weeks to come, there is a fair variety of flowers available and qualities are as good as could be expected at this season. Roses are greatly improved, the cut from



SWEET PEA CREAM OF BROCKHAMPTON, GROWN IN POT BY H. J. JONES, OF LEWISHAM, ENGLAND.

early planted stock now beginning to assert itself; the buds are of nice color but lacking strength of stem as yet. American Beauty is obtainable in a great variety of grades, bringing good average figures in the market when of good quality. Carnations have shortened up considerably and asters are coming in heavier each day, prices tending rapidly downward. Lily of the valley is in just about sufficient supply for the demand and remains unchanged in price.

The refreshing rain of last week did an immense amount of good to the parched vegetation in this section. This season has been unusually dry and the long continued hot spells have had a very severe effect on lawns, trees, shrubs and garden plants, especially on recent plantations and where gravelly soil abounds. In the parks there is little to be seen in the way of flowers just now but the lack is compensated for in part by the berry-bearing shrubs, some of which are quite bright. A suggestion to those who would like to have continuous flower effect in their shrubberies may be had by visiting the Arnold Arboretum, where, at present, there are several species of clethras, the early flowering Hydrangea

paniculata, Spiraea Douglasii, S. Menziesii and others of that type, several hypericums and potentillas, Robinia hispida and Stuartias now blooming and Gordonia Altamaha is nearly in flower, so that with this list it is possible to fill in this period "between hay and grass" with bright color if one so desires. And the "smoke tree" is always lovely at this season.

On Thursday, July 26, the committee of the horticultural society visited, on invitation, the greenhouses and grounds of the Converse estate, at Malden, where D. F. Roy reigns supreme. The grape houses, three in number, in different stages of growth, were found to be in superb condition. In the conservatory was seen a fine collection of stove plants and Rex begonias of prize quality. Especially impressive was a house full of tuberous begonias, splendid specimens in full bloom. The chrysanthemums looked promising and the outdoor departments, including the farm, were acknowledged to be fully up to the past record. A bountiful dinner was enjoyed at Mr. Roy's residence, the table being beautifully decorated with tuberous begonias and adiantums by Mrs. Roy, whose abil-

ities in this direction were enthusiastically recognized.

The exhibition of Saturday, July 28, lacked the usual interest, there being nothing particularly striking shown, although the displays of herbaceous garden flowers, wild flowers, etc., especially phloxes, were quite full and creditable. Phloxes were shown in named varieties by Rea Bros., W. J. Clemens and George Hollis. Blue Hill Nursery was represented by an excellent collection of herbaceous perennials. Wm. J. Martin showed several flower heads of *Hæmanthus Katharina*, the odd looking umbels of densely packed, salmon flowers, with their long, orange-vermilion stamens, attracting much curious attention.

The news of the sad affair at Ocean City, in which Edwin Lonsdale's two daughters lost their lives, has filled us all with deepest sadness. No man is more beloved in the Boston trade than genial, big-hearted Ned, and he and Mrs. Lonsdale have sincerest sympathy of a host of sorrowing friends.

John Gilson, for many years city salesman for E. M. Wood & Co., died Thursday, August 2, at Natick.

H. H. Hunnewell, of Wellesley, Mass., was ninety years of age last Monday.

"Jaggs" has arrived in Boston.

In town: H. S. DeForest, New York; J. R. Fotheringham, Tarrytown, N. Y.

Philadelphia.

SAD AFFAIR AT THE SEASHORE.—EDWIN LONSDALE'S TWO DAUGHTERS DROWNED WHILE BATHING.—TWO COMPANIONS MEET A LIKE FATE.—TRADE UNITES IN EXTENDING SYMPATHY.—WESTCOTT BUYS A FARM.—BUSINESS FAIR.

A most distressing accident which has thrown a gloom over the entire community in and out of the trade, occurred last Tuesday at Ocean City, N. J., when Jennie Lee Lonsdale and Sarah Burton Lonsdale, the two youngest daughters of Edwin Lonsdale, were drowned in the surf while bathing. Mrs. S. Mendelson Meehan, wife of S. M. Meehan, of the firm of Thos. Meehan & Sons, nurserymen of this city, was also one of the party in danger, which consisted altogether of six persons, Mrs. Meehan, the two Misses Lonsdale, the Misses Virginia and Elsie Lowe and their brother, C. W. Lowe, a boy twelve years old. All the company were guests of Mrs. Meehan and had gone down to the beach at a point near their cottage. The entire ocean front of this resort is noted for its flat, hard surface and freedom from currents, and it was considered just as safe there as four or five blocks farther up the beach, where the majority of residents bathe. The waves were running rather strong but not at all dangerously. It is said that all the ladies were practicing floating and before they realized the danger were carried beyond their depth. They then struggled to return. The young boy and Mrs. Meehan, who could swim a little, managed to keep themselves afloat until lifeguards from up the beach, who were attracted by their cries of distress, arrived in time to save them. The guards immediately swam out to the Misses Lonsdale, who were still floating, but whose forms were now inanimate, and managed by the aid of lines and life bouys to get them to shore. Doctors who were present in the crowd gathered by this time at once tried every known method of resuscitation and for a time with promise of success, but after working for over two hours without procuring any signs of life they were



WILLIAM CUTHBERTSON AND RICHARD DEAN.—INCEPTION OF THE SWEET PEA CONFERENCE AT KELVEDON, ESSEX, ENGLAND, JULY, 1899.

reluctantly compelled to announce there was no hope and that the vital spark had fled. The bodies of the Misses Lowe were recovered about two hours afterwards. The bodies were brought home on Wednesday. Miss Annie Lonsdale, the eldest and now only remaining daughter, had decided not to bathe that day, remaining at the cottage, and by so doing probably escaped a like fate.

Mr. and Mrs. Lonsdale have the heartfelt sympathy of the entire trade in the terrible bereavement which has befallen them. The young ladies, aged, Jennie 21 and Sarah 19, were great favorites, and took an active part in social matters and in the church work of their neighborhood.

John Westcott has purchased a farm containing some 200 acres, at Waretown, N. J. It has about a half mile of frontage on Barnegat Bay. The commodious homestead, Mr. Westcott says, will make a fine club house and during the fishing and gunning season he expects next year to see many of the boys who enjoy these sports and who are willing to join the club for the time and partake of its hospitality.

Business is good for the season. Penock Bros. say that this is the most prosperous summer they have experienced for a long time. Cut flowers are scarce, that is, good ones are. Some Beauties are being sent in from houses planted for

early cutting and the flowers are quite good.

Jos. Kift & Son have dissolved partnership. The business will be continued at the old stand under the old firm name by Robert Kift. K.

Chicago.

FIGURES FOR JULY SHOW SALES AHEAD OF LAST YEAR.—PRESENT STATE OF THE MARKET.—SUPPLY NO GREATER THAN THE DEMAND FOR STAPLES.—SMILAX GROWERS TAKE HOPE.—CARNATIONS ALREADY IN THE HOUSES AT HINSDALE.—HEFFRON GOES TO M'KELLAR & WINTERSON'S.—VARIOUS ITEMS OF PERSONAL DOINGS.

Midsummer has arrived and the dullest season of the year, but it seems to local wholesalers as though we are just at the beginning of the heated term, for July was very good all along the line. To be sure, July business was but a fraction of that of June but compared with last year it was very satisfactory. There has been very little stock in the market and no considerable over-supply of any item except sweet peas, so that prices have been fairly well maintained. This week has been the most quiet of the season and the stocks of garden flowers are very generally rather more than are required,

but there are none too many roses and carnations, although supplies of both are on the increase. Asters and gladioli are the bulk of the stock in all the houses. There are a few dahlias and Rudbeckia Golden Glow is in, selling slowly at 15 cents per bunch of twenty-five.

To some of the growers it will be good news that the smilax market shows signs of stiffening up a bit. One of the big growers has been cleaning out a smilax house, preparatory to planting it with something else, and has put 10,000 strings on the market in the last few weeks, with the result that prices have gone away down. This lot is about at an end but several other growers who have been holding back their cut as much as possible will now begin shipping, so that no great improvement is to be anticipated just yet.

Bassett & Washburn have finished benching their carnations and have 54,000 plants safely housed. They say that this has been one of the best growing seasons ever known out Hinsdale way and that the carnations are now as large plants as they had in September of last year.

City Passenger Agent Vosburg, of the Lake Shore, reports that many inquiries are being received for details in regard to the New York trip, and that the prospects are bright for a big crowd. He has advices from Cleveland which indicate that a good party will board the train there.

Walter Heffron has taken charge of the cut flower department at McKellar & Winterson's. Business with this firm has been so heavy in the past few months that both partners have been under a considerable strain and greatly in need of competent assistance.

Kennicott Bros. Co. will shortly be resplendent in a new coat of white which is being applied to their premises this week. Nearly all the wholesalers have spruced up a bit.

Henry C. Rowe, who is with John C. Schubert & Co., and A. I. Simmons are planning to attend the convention.

J. B. Deamud, with his wife and family, left this week to spend a short vacation at Paw Paw Lake, Mich.

Miss Jessie Ludlow, of Vaughan's Seed Store, has gone to St. Paul, Minn., for a two week's vacation.

M. E. McCourt has purchased the business of John Peterson, corner Walton place and Rush street.

John Broad has opened a store at 616 N. Wells street, and is fitting it with the latest improvements.

John Leach, who has recently been with Mangel, is returning to the employ of C. A. Samuelson.

E. C. Amling and Albert Amling are entertaining a brother and his family from Milwaukee.

Out at Desplaines, Warren Garland is building two up-to-date houses, each 17x250.

Mrs. John P. Tonner is reported to be quite ill.

Detroit.

DOINGS AT THE CLUB MEETING.—ELECTION OF OFFICERS.—THE ROUTE TO THE CONVENTION.—BOWLING TEAM SELECTED.—TRADE AHEAD OF THE SUPPLY.

The annual election of our club took place Wednesday evening, resulting in the choice of the following officers: President, Geo. A. Rackham; vice-president, F. H. Beard; treasurer, B. Schroeter; secretary, Geo. W. Davis. The newly elected officers will be installed the first Wednesday in September. The committee appointed

some time ago to perfect a plan of co-operative purchase of coal, reported their failure to accomplish anything of advantage, as most of the large coal dealers were slow to quote prices except to a committee fully empowered to sign contracts and become responsible for each individual consumer. This plan seemed impracticable and the matter was for the present abandoned. The route to New York was finally determined upon. The party will be fully thirty in number and will leave Detroit Sunday, August 19, at 4:25 p. m., via Michigan Central and New York Central railroads, arriving at Albany at 6:25 Monday morning, there taking the Hudson River boat at 8:30 for an all day ride down the Rhine of America, arriving at Desbrosses street, New York, at 6:30 p. m. Most of the party will stop at the Murray Hill Hotel, where accommodations will be secured in advance. The following bowlers were selected to enter the contest at New York, and though they modestly declined it, the club insisted upon defraying the expense of their trip. Philip Breitmeyer, A. Ferguson, John Dunn, Fred. Pantke, Frank Holznagle and F. H. Beard are the ones who will bring back the emblems of victory; they have practiced hard, are enthusiastic and sanguine of success.

Trade is fairly good, indeed much better than the necessary stock to supply it. Roses are very scarce and carnations are little in evidence and poor in quality. Asters are beginning to come in and the quality is good though many growers are complaining of losing plants by what is called the stem rot; the frequent rains we have had seem to have increased the damage from this cause, which is becoming more widespread year after year.

John Carey, of Mt. Clemens, is building a house 28x140, using 16x16 glass, lapped. It will be planted with carnations. J. F. S.

St. Louis.

PLANS FOR CONVENTION TRIP.—TRADE LIGHT.—FUNERAL WORK THE SOLE RELIANCE.—DOINGS OF THE RETAILERS.

The rate secured from here to the convention in New York is the uniform fare and a third. It is thought to-day that all those who attend will travel over the Vandalia, which is only \$2 more for the round trip than the Big Four. The tickets will be good for four days in New York city, with the privilege of a ten-day stop off at Philadelphia, Baltimore or Washington on the return trip. J. W. Kunz, who had the matter in charge, thinks there will be ten persons going from here.

Trade this week is rather light. Some stock is very scarce, but asters and white carnations are plentiful. Funeral work is about all there is doing. St. Louis is unfortunate in that it is not situated, like several other large cities of its class, where a seashore or other summer resort trade is available. But we get our share in many other ways, so must rest content until the fall festivities begin.

All that remains of George Waldharth's floral establishment on Grand avenue is his refrigerator. He is at present located in the Woman's Exchange, two doors south of his former place, where he will remain until August 15, when he expects to move back into his old place, with a very much improved stand in all respects.

Fred. S. Plant, with wife and father, has left for a vacation trip up the river to cover a period of two weeks or more.

He will go as far north as St. Paul on the boat.

The Eden Floral Co., on Finney avenue has closed up and the store they occupied is for rent. M.

Chicago to New York.

The Chicago Florists' Club Committee on Transportation to the New York Convention of the Society of American Florists to be held August 21, 22, 23 and 24, has arranged with the Lake Shore and Michigan Southern Railway for a special train, which will be vestibuled and will contain as many Pullman sleepers as may be necessary, a buffet smoking car, a dining car and a day coach.

The running time of this train will be as follows:

Leave Chicago - 3:00 p. m. Sunday, August 19.
Arrive Niagara Falls 7:30 a. m. Monday, August 20.
Leave Niagara Falls 9:30 a. m. Monday, August 20.
Leave Buffalo - 10:20 a. m. Monday, August 20.
Arrive New York - 9:00 p. m. Monday, August 20.
(Grand Central Station.)

The railroad fare for the round trip will be \$26 70 on the certificate plan. The sleeping-car fare will be \$5 for a double berth to New York. But if sleeper accommodations are desired to Buffalo only, sleeper tickets from Chicago to Buffalo may be had for \$3 and the remainder of the distance traveled in the day coach.

At Niagara Falls an hour will be devoted to a trip around the Gorge Route Electric Line, which on the American side runs for miles below the falls along the rapids, whirlpool, etc. Special trolley cars will await the arrival of our special train. Those not wishing to take the trip through the gorge can devote their time to seeing the falls in any way they desire.

Returning from New York the members of the party have the option of returning by all rail route, or of taking the boat as far as Albany. And as a daylight ride up the Hudson is an exceedingly enjoyable trip the majority will no doubt take advantage of it.

The boat leaves New York, foot of Desbrosses street, at 8:40 a. m. daily, reaching Albany at 6:10 p. m. A westbound train leaves Albany at 10 p. m., which arrives at Chicago at 9 p. m. next day. To any preferring the lake trip Buffalo to Cleveland the privilege of taking the C. & B. Transit Co.'s boat is afforded.

Berths may be reserved in the special sleepers by addressing L. F. Vosburgh, City Passenger and Ticket Agent, Lake Shore and Michigan Southern Railway, 180 Clark street, Chicago, who will also supply any other information. Railroad tickets and certificates may be had at the above address or at the Lake Shore Station, Van Buren street.

In reserving berths be careful to state whether you wish a berth to New York or to Buffalo only, and mention that you desire to travel in the Florists' Special Train.

By vote of the Chicago Florists' Club the Committee was instructed to invite all florists in the west to travel with the Chicago party and to share the advantages secured by the committee. We shall be pleased to have your company on this trip. The New York convention promises to be a memorable one, and every florist who can possibly do so should go.

Please make your berth reservation as early as possible.

G. L. GRANT,
W. N. RUDD,
WALTER KREITLING,
Transportation Committee.
Chicago Florists' Club.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 cents a line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent, 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and Dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

SECURE your railroad berths and
hotels for that New York trip.

THE new varieties of Clematis coccinea
are worthily gaining in favor.

MENTION is made in a recent issue of
the *Gardeners' Magazine* of a sweet pea
spike bearing seven flowers. The variety
was Mrs. Fitzgerald.

W. WATSON, of the Kew Botanic Gar-
den, London, Eng., says of Dreer's new
Nymphæa William Falconer: "I call it a
first-rate nymphæa."

WE join in the expressions of sympathy
which come from all quarters for Mr.
and Mrs. Edwin Lonsdale, of Chestnut
Hill, Pa., in the recent loss of their two
daughters by drowning.

Florist Ads. Are All Right.

AM. FLORIST CO. :—Enclosed please find
draft to pay for our recent advertisement.
FLORIST ads. are all right; you will hear
from us in the future. FREY & FREY.
Lincoln, Neb., July 21.

Greenhouse Building.

Bridgeton, N. J.—R. Smith, one green-
house.
Adams, Mass.—T. D. Brown, one
house.
Cromwell, Conn.—A. N. Pierson, one
house.
Milwaukee, Wis.—Emil Schmitz &
Sons, two houses.
Bay City, Mich.—Boehring Bros.,
addition to range.
Newark, N. J.—A. G. Jones, range of
houses.
Concord, N. H.—Manchester Street
Greenhouses, one house.
New Bedford, Mass.—Thos. N. Stetson,
one house.
Dexter, Me.—C. H. Hayden, one house.
Avon, Mass.—T. G. Thrasher, one
house.
Litchfield, Me.—Lapham & Packard,
one house.
Albert Lea, Minn.—P. Clausen & Son,
two carnation houses 20x45.
Beloit, Wis.—J. Rindfleisch, carnation
house 20x50.
Lincoln, Neb.—Frey & Frey, range of
eight houses.
Knoxville, Tenn.—C. W. Crouch, house
22x125; one 18x100.

A Hint to Conventionites.

ED. AM. FLORIST:—I suppose the bow-
ling boys, as well as others about start-
ing for, and later when on the way to, the
convention have given a few hours' care-

ful thought to bringing up to date or
down to date their best thoughts on
improving the working methods in build-
ing, in growing and in selection of the
kinds to grow. It takes deliberation and
consultation to bring wisdom out of
these everchanging matters, changes
which take place so gradually and imper-
ceptibly as to remain unnoticed except
by the close observer or by him who
keeps a daily or weekly table of results
in dollars. Let us not drive all our best
enthusiasm down those alley lines with
the balls, but keep some for other
thoughts and talk them all over freely at
the business sessions. W.

Buffalo to New York.

While we are assured of a good delega-
tion from our city to the convention it
will, from various causes, be unlikely
that we shall all travel by one route.
The N. Y. C. & H. R. R., the Erie, the
Delaware & Lackawanna and the Lehigh
Valley all have evening trains which
reach New York about 7 a. m., and all
give the one-third rate on return on the
certificate plan. The fare and a third on
the New York Central is \$12 33. On the
other roads it is \$10.70. Obtain your
tickets a few hours in advance as it takes
time for the agent to fill out the certifi-
cate.

The Chicago delegation have chartered
a special train and have kindly invited
the Buffalo delegates to join them. There
will be a day coach attached to the train
which will leave Buffalo at 10 a. m.
Monday, August 20, arriving in New
York at 9 p. m. Anyone wishing to join
the Chicago party will please notify
William Scott, Main and Balcom streets,
not later than Friday, August 17.

Signed, DAN'L B. LONG,
WM. SCOTT, Committee.

New York Hotels.

At the request of Walter F. Sheridan,
chairman of the reception committee, we
herewith present a list of the hotels of
New York for the information of those
who will attend the approaching conven-
tion of the Society of American Florists:

EUROPEAN PLAN.		Rates	Miles to	
		per day.	Hotel.	
Savoy, 59th st. and 5th av.	\$2 00	1		
Netherland, 69th st. and 5th av.	2 00	1		
Metropole, Broadway and 42d st.	1 00	1/2		
St. Cloud, Broadway and 42d st.	1 50	1/2		
Mahattan, Madison av. and 42d st.	2 00	1/2		
Marlborough, B'dway and 37th st.	1 50	1/2		
Murray Hill, Park av. and 40th st.	1 50	1/2		
Grand Union, Park av. and 42d st.	1 00	near		
Imperial, Broadway and 32d st.	1 50	3/4		
Grand, Broadway and 31st st.	1 50	3/4		
Victoria, 5th av. and 27th st.	1 50	3/4		
Ashland, 4th av. and 25th st.	1 00	3/4		
Continental, Broadway and 20th st.	1 00	1 1/2		
Union Square, Union sq. and 15th st.	1 00	1 1/2		
Everett, Union sq. and 17th st.	1 50	1 1/2		
St. Denis, Broadway and 11th st.	1 00	1 1/2		
Cosmopolitan, W. Broadway and Chambers.	1 00	3		
Astor House, Broadway opp. Gen- eral P. O.	1 00	3		
Holland House, 5th av. and 30th st.	2 00	3/4		
AMERICAN AND EUROPEAN PLAN.		Am.	Europ.	Miles.
May's, 50 West 28th st.	\$1 50	\$1 50	7/8	
Broadway Central, Broadway opp. Bond.	2 50	1 00	2	
AMERICAN PLAN.		Per day.	Miles.	
Fifth Avenue, 5th av. and 23rd st.	\$5 00	1		
Sturtevant, Broadway and 28th st.	2 50	7/8		

Visiting members may have rooms
reserved at any of the above hotels by
applying direct, or through the chairman
of the hotel committee, S. S. Butterfield,
P. O. Box 1697, New York, specifying
grade of accommodation desired. Most
New York hotels are conducted on the
European plan.

Catalogues and Cut Flower Price Lists Received.

Gurney Heater-Manufg. Co., Boston,
Mass., heating apparatus; Herr & Wulle,
Naples, Italy, bulbs and seeds; Wm. T.
Dittmer, Canton, Mo., small fruits;
Plant Seed Co., St. Louis, Mo., roots; J.
M. Thorburn & Co., New York, N. Y.,
wholesale trade list of bulbs; C. C. Poll-
worth Co., Milwaukee, Wis., price list
cut flowers; Ernst Reimschneider, Altona-
Hamburg, Germany, plants, bulbs,
flower seeds; Clovena Nurseries, New
York, N. Y., wholesale price list seeds
and plants.

OBITUARY.

JOHN MITCHELL.

John Mitchell, who has been for some
time engaged in the greenhouse business
on Town Hill, New London, Conn., died
on the morning of July 23, in the 71st
year of his age. He leaves a widow, one
son and a daughter.

GEORGE C. BLISS.

George C. Bliss died at New Bedford,
Mass., July 22, after a brief illness,
apoplexy being the cause of his demise.
Mr. Bliss was born in New Bedford, forty-
six years ago and, after completing the
course in the public schools, he went to
work for his grandfather, the late Wm.
Howard, one of the first to engage in
business as a florist in that section.
Eventually Mr. Bliss came into control
of Mr. Howard's business and he has
been identified with the trade all his life.
At one time he was city forester.

C. H. B. BRECK.

Charles Henry Bass Breck, the véné-
rable head of the Joseph Breck & Sons
Corporation, of Boston, died at Newton,
Mass., on August 1. Mr. Breck was an
octogenarian and one of the eighth gen-
eration of Brecks in America, being
directly descended from Edward Breck,
who came from England in 1635. Born
at Pepperell, Mass., the family some
years later removed to Lancaster, where
the son received his education in the
academy of the town. He showed an
aptitude for business early in life, and as
an assistant to his father, developed
steadily and rapidly. He became a part-
ner in the New England Agricultural
Warehouse and Seed Store in 1850, and
has been the senior member and head of
this firm since the death of his father in
1873, and during this half century of his
connection with it, the business has
developed into one of the most prominent
in the United States. In 1893, after hav-
ing absorbed several minor concerns,
Joseph Breck & Sons bought the stock
and business of Parker & Wood and
combined the plants of the two houses,
incorporating under the statutes of Mas-
sachusetts as the Joseph Breck & Sons
Corporation, with Charles H. B. Breck
as president; his sons, Charles H. Breck
and Joseph F. Breck, respectively treas-
urer and secretary; Edward O. Hatch,
general manager, and Archibald Smith,
manager of the seed department. Mr.
Breck's long life was filled with many
activities other than those of his busi-
ness. He was for several years a select-
man of Brighton and a member of
its school board for six terms; after
annexation he was a member of the Bos-
ton board of aldermen and a member of
some of its most important committees.
Mr. Breck was one of the first and firm-
est advocates of the Metropolitan Park

System and was a vice-president of the Massachusetts Horticultural Society. He had been a Mason for more than half a century. Recently he had resigned some of his connections, notably a directorship in the Metropolitan National Bank, in favor of his son, C. H. Breck. Since the destruction of their homestead by fire, April 19, 1896, Mr. and Mrs. Breck had resided with their only daughter, Mrs. Willard G. Brackett, at Newton. Mr. Breck's portrait appears on page 2 of this issue.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head. Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only; free to be used at any time during the year.

SITUATION WANTED—By a reliable florist as foreman or to take charge; 11 years' experience; English married. C R, care Am. Florist.

SITUATION WANTED—By experienced mushroom grower; would like insight into floriculture. Neat clever workman and thorough manager. W. I ARMSTRONG, Streator, Ill.

SITUATION WANTED—Private place, by florist and gardener; 14 years' experience in greenhouse, fruits, vegetables, etc. Good references. Address GARDNER, P. O Lakeview Station, Chicago.

SITUATION WANTED—By rose grower having long experience in commercial place; capable of taking charge. Scandinavian, age 31. Best of references. CHRISTIAN JOHNSON, Natick, Mass.

SITUATION WANTED—By practical and trustworthy florist as working foreman; 15 years' experience in cut flowers and general assortment of plants, single, best ref. Ad N M, care Am Florist.

SITUATION WANTED—By a first-class cut flower grower and propagator of all plants for wholesale place; a good worker; 30 years' experience; American, married, small family. Best of references. Address C B, care American Florist.

SITUATION WANTED—By a practical grower of roses, carnations, mums, ferns and general bedding stock; capable to take charge. Good references. Best preferred. Address E S, care A. Young, 138 Colton St., Springfield, Mass.

SITUATION WANTED—As foreman, by a first-class grower of roses and cut flowers; general plantman; single, age 33. A first-class place wanted. Best of references. Open for engagement now or later. Address GROWER, care American Florist.

SITUATION WANTED—By a thoroughly practical gardener and florist, 25 years' experience with roses, carnations violets and general line of plants; good designer and decorator, not afraid of work. A No. 1 references, married, one child, age 40. For particulars please address GARDNER, No. 70 South Ave., Poughkeepsie, N. Y.

WANTED—800 feet of 4-inch cast iron hot water pipe and fittings. MRS. H. SALVEBON, Petersburg, Ill.

WANTED—Address of Louisa Truxler, a practical and ornamental florist. THOS B. BULL, Bakersfield, Cal

WANTED—Wrought pipe 1/2 to 2 1/2, cast 4 and 6, must be in good condition. VOL. PUGH, Bowling Green, Mo.

WANTED—Good, quick propagator; one who can act as assistant to foreman of large place. Address V, care American Florist, Chicago.

WANTED—A young man with experience, to work in floral store. Address WOODLAND PARK FLORAL CO., 806 2d Ave., Seattle, Wash.

WANTED—Florist, single, German, to grow cut flowers and general greenhouse stock. Address SAOINAW GREENHOUSE, 1317 N. Michigan Ave., Saginaw, W. S., Mich.

WANTED—For foreman, a man who understands growing roses, carnations and violets, who can take charge of retail men. Address SALTER Bros., Rochester, N. Y.

WANTED—A young man with experience in growing carnations and general greenhouse work. Send references and wages with board. Address THE CITY GREENHOUSES, Newton, Iowa.

WANTED AT ONCE—A good florist to grow roses, mums, carnations and general bedding stuff. Must be good propagator. State experience and references. H. P. CAMPBELL, Shannkld, Pa.

WANTED—A sober, steady man, to grow roses, mums and bedding plants, who can make designs if necessary, take care of 5000 square ft. of glass with one helper. CHAS. LINDACHER, Canton, O.

WANTED AT ONCE—A young man with some experience in greenhouse work; must be willing to make himself generally useful. State wages expected with board. Address WM. A SMITA, Box 16, Lakewood, Cleveland, O.

WANTED—Young man, single, who understands the care of carnations, mums and general tropical plants, ferns, etc., on small commercial place in a city. Wages \$8.00 per week, room and board. Address P J S, care American Florist.

WANTED—A young man to leave the florist business on commercial place of 8000 feet of glass. Must be of good appearance and have fair education. Won't make a slave of you. Will pay good wages and board. Address MRS. A. L. MYERS, Bluffton, Ind.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds, Bargain. W. L. WINN, White Hall Ill.

FOR RENT—Four greenhouses 14x7 1/2, with office 21x23, with rooms. Call at 114 School St., Chicago.

FOR SALE—One No 16 Hitchings hot water boiler in good condition; new grate bars; \$75 00. MRS H. SALVEBON, Petersburg Ill.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only \$500 cash. Account advance. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Greenhouse containing 6000 feet of glass with house and barn in connection. Everything in good condition and well stocked. One-fourth cash, balance time. FRED PLAGGE, Elgin, Ill.

FOR SALE—At reasonable price, four greenhouses with stock, heated by steam, near four cemeteries; no opposition. Electric cars pass the office. Reason for selling, age. Address INDIANA, Care American Florist.

FOR SALE—Rare chance to a reliable grower and greenhouse man. In city of 20,000, half interest in established business, 5000 feet of glass, hot water. Have other business. Fine opportunity. E F C, care American Florist.

FOR SALE—Lease stock etc. of place of 5000 feet of glass in Chicago suburb all in good condition. Stock first class and more than is needed. Will sell very cheap; cash wanted. Reason for leaving am going to Europe. Address J D, care American Florist Chicago.

SALESMAN WANTED

For our Florist and Retail Department. Thoroughly experienced in Flower Seeds and Bulbs. Apply by letter.

W. W. RAWSON & CO.,

12 & 13 Faneuil Hall Sq., BOSTON, MASS.

Any Good, Reliable Firm

Wanting a first-class foreman, one who is up in cut flowers and plants, apply to me. I have sold my place and the change throws my foreman out of employment.

THE E. HIPPARD CO., Youngstown, Ohio.

Wanted

Two First-Class Rose Growers. GOOD Wages to Proper Parties.

SOUTH PARK FLORAL CO., NEW CASTLE, IND.

TO RENT.

In a town of fifteen thousand population, eight miles from Boston, on main street, electric cars pass the door; four greenhouses, heated by steam, thirty thousand feet land. Dwelling house can be used for two families. Good retail trade. Apply to

P. WELCH, 15 Province St., Boston, Mass.

FOR SALE.

A florist establishment for sale, consisting of 13,000 square feet of glass, in good condition. Heated by steam; in the city limits, located in a city of 18,000 inhabitants on the Mississippi river in Iowa, with several acres of land and dwelling house; must sell soon on account of old age. For further particulars address

L C K, care American Florist.

FOR SALE With 10 Year Lease, One of the best places in Chicago.

This is a rare opportunity; if you have some cash, talk it over with me.

T. J. CORBREY, 1409-1411 W. Madison St., CHICAGO.

FOR SALE Thirteen (13) Greenhouses, situated in city of Allegheny, Pa., containing twenty-three thousand (23,000) square feet of glass. All steam heated and in good running order. Will sell houses at low price and lease dwelling and land, or will sell entire plant. Possession immediately. Address J. M. REEVES, Warren, O.

FOR SALE.

Fixtures and good will of At Cut Flower Store in Chicago. Buyer should have cash and be able to run a first-class place.

Inquire of J. C. VAUGHAN.

FOR SALE

240 acres of land on Isthmus of Tehautepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES, 846 New York Life Bldg. KANSAS CITY, MO.

For Sale.

Oakland, Cal.: an elegant piece of property, 160 feet front by 145 feet deep. Ten minutes' ride from the center of the city. Three large greenhouses, each 116 ft. by 25 ft., well stocked. Elegant cottage of 7 rooms. Gas fixtures and all conveniences. Owner compelled by circumstances to go to Alaska gold fields and must sell quickly. Cost \$7,000. Will sell at great reduction. Write for price.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

NOTICE

—OF—**STOCKHOLDERS' MEETING.**

CHICAGO, July 21, 1900.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Murray Hill Hotel, New York, N. Y., Wednesday, August 22, 1900, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

F. R. PIERSON, Pres. M. BARKER, Sec'y.

Always mention the.....

American Florist

when writing advertiser

New York.

THE PAST WEEK THE DULLEST ON RECORD.
—NO ROSES AND NOT MANY CARNATIONS.

Last week was about the quietest of the season as far as business was concerned and was exceeded in this respect by nothing in past years, even for July. But little stock of any sort is being received at the wholesale markets, roses being especially noticeable for the small shipments. Of carnations there are a few more coming in and the normal supply of lily of the valley appears daily. Asters are plentiful and very low priced and the demand for them amounts to practically nothing.

WAUSAU, Wis.—Chris. Lund reports trade good, with the call for carnations so good that he is adding a house for them.

Wholesale Flower Markets

CINCINNATI, Aug. 2.

Roses, Bride.....	2.00@	3.00
" Bridesmaid.....	2.00@	3.00
" Meteor.....	3.00@	4.00
" Perle.....	2.00@	3.00
Carnations.....	.75@	1.00
fancy.....	1.50@	2.00
Gladioli.....	2.00@	4.00
Stocks.....		2.00
Sweet peas.....	.15@	.25
Tuberose.....		3.00
As'ers.....	1.00@	1.50
Smilax.....		12.50
Adiantum.....		1.00
Common ferns.....		.15
Asparagus.....		50.00

St. Louis, Aug. 2.

Roses, Bride, Bridesmaid.....	2.00@	4.00
" Meteor.....	2.00@	4.00
" Perle.....		2.00
Carnations, common.....	.75@	1.00
Smilax.....		12.50
Adiantum.....	.60@	1.00
Tuberose.....	4.00@	5.00
Gladioli.....	2.00@	4.00
Asters.....	1.00@	2.00

MILWAUKEE, Aug. 2.

Roses, Beauty, med. per doz. 1 50@	2.00
short.....	50@ 1.00
" Bride, Bridesmaid.....	3.00@ 4.00
" Meteor.....	4.00@ 5.00
" Kaiserin.....	4.00@ 6.00
Carnations, ordinary.....	1.00
fancy.....	2.00
Auratum lilies.....	15.00
Adiantum.....	.75@ 1.00
Common ferns.....	.25
Gladioli.....	4.00@ 5.00
Asters.....	.50@ 1.00
Smilax.....	15.00
Asparagus.....	65.00
Galax leaves.....	.20
Sweet peas.....	.15

PITTSBURG, Aug. 2.

Roses, Beauty, fancy.....	20.00@	25.00
" " extra.....	10.00@	15.00
" " No. 1.....	5.00@	8.00
" " culls.....	2.00@	4.00
" " Bride, Bridesmaid.....	2.00@	6.00
" " Meteor.....	2.00@	6.00
" " Perle.....	2.00@	6.00
" " Cusin.....	2.00@	4.00
Carnations, ordinary.....	.50@	1.00
fancy.....	1.50@	2.00
Lily of the valley.....	2.00@	4.00
Sweet peas.....	.10@	.50
Daisies.....	.25@	1.00
Smilax.....	12.50@	15.00
Gladioli.....	4.00@	6.00
Adiantum.....	.75@	1.00
Asparagus.....	35.00@	50.00
" Sprangerii.....	.25@	.35
Dagger ferns..... per 1000, 2.00		
Asters.....	1.00@	3.00

DENVER, Aug. 1.

Roses, Beauty, select.....	12.50@	20.00
" " ordinary.....	4.00@	8.00
" " Bride, Bridesmaid.....	3.00@	4.00
" " Meteor.....	5.00@	6.00
" " Perle, Wootton.....	3.00@	5.00
Carnations, ordinary.....	1.00@	1.50
fancy.....	1.50@	2.50
Lily of the valley.....		4.00
Callas.....		12.50
Harrisii.....		12.50
Sweet peas.....	.15@	.25
Asters.....	2.00@	4.00
Asparagus.....		60.00
Smilax.....		18.00
Ferns.....		.30

Everything in the
CUT FLOWER
line.
and a
complete line of **FLORISTS' SUPPLIES.**

WIRE WORK,
the kind
that will give satisfaction.

HOLTON & HUNKEL CO.,

P. O. Box 103.

Milwaukee, Wis.

When writing mention the American Florist

CUT FLOWERS.

Shipping orders receive prompt
and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

Please Mention American Florist.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS PITTSBURG, PA.
Liberty Street, IN SEASON.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A BUNYARD, 42 WEST 28TH STREET, NEW YORK.



NOW READY, 50 cts. per 1000. LAUREL FESTOONING, 4c to 6c per yard. Best goods always.

CROWL FERN CO., Millington, Mass.

It is not much trouble to mention the
AMERICAN FLORIST when corresponding
with an advertiser.

Bronze Galax Leaves

\$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample **FIFTY** for ten cents in stamps,
delivered **FREE.**

AMERICAN ROSE CO., Washington, D. C.

I PAY EXPRESS or POSTAGE on my

Bronze Galax Leaves

and deliver anywhere in U. S. for **ONE DOLLAR**
FIFTY per 1000. Write for particulars.

LILLIAN ALLEN DEXTER, Washington, D. C.

...AN...

Indispensable Adjunct

To a successful wholesale business is an up-to-date,
accurate, complete Trade Directory. Such a
book, 387 pages, containing the name and
address of every florist, nurseryman and seedsman
in America, new list of private gardeners and horti-
cultural supply concerns and much other informa-
tion will be mailed from this office on receipt of \$2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

Roses

ALL
FLOWERS
IN
SEASON

Carnations

When you want them.
As you like them.

E. C. AMLING,

Wholesale Cut Flowers,

32-34-36 Randolph St. CHICAGO.

**McKellar & Winterson's
Modern Supply House.**



Send for Prices on all Supplies.
Clearance Sale Now On.

Give us your order now together with your needs in
CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty.
Carnations, Blooms and Cuttings.

51 Wabash Ave., CHICAGO, ILL.

J. B. DEAMUD,

Wholesale

Commission Florist,

51 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

WHOLESALE
GROWER OF ROSES.

DEALER IN
CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention
paid to shipping orders.

76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

Please mention the American Florist.

WIETOR BROS.
Wholesale
Growers of **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

Wholesale Flower Markets

CHICAGO, Aug. 3.		
Roses, Beauty, extra long stems	3 00	
" " 31 inch	2.50	
" " 24 "	2.00	
" " 20 "	1.50	
" " 15 "	1.25	
" " 12 "	1.00	
" " 8 "	.75	
" Bride, Bridesmaid.....	3.00@ 5.00	
" Perle.....	3.00@ 5.00	
" Meteor.....	3.00@ 5.00	
" La France.....	4.00@ 5.00	
" Goldeo Gate.....	6.00@ 8.00	
" Liberty.....	6.00@ 8.00	
Carnations	.75@ 1.00	
" fancy.....	1.50	
Lily of the valley.....	3.00@ 5.00	
Mignonette.....	2.00@ 6.00	
Sweet peas.....	.10	
Adiantum.....	.50@ 1.00	
Common ferns.....	.15	
Fancy ferns.....	.20	
Smilax.....	8.00@12.00	
Asparagus.....	50.00	



64 WABASH AVE. CHICAGO
8. E. Cor Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

WEILAND - AND - RISCH
We are large Growers and
Shippers of **CUT FLOWERS**
ALL THE NEW VARIETIES.
YOUR BUSINESS SOLICITED.
59 WABASH AVE., CHICAGO.

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your
orders.

51 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTs.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
 AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
 BOSTON, MASS.
WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2.00 per Script Letters, \$4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

8,000,000 Hardy Cut Ferns
 Now is your time to buy at 4c per thousand in five or ten thousand lots, 50c per thousand for less Sphagnum moss, 5c per bush; bouquet Green 4c per pound. Laurel Boplox, 24 1/2 per 10 yards. All orders by mail or deep, etc. promptly after added to
THOMAS COLLINS, Hinesdale, - Mess.

Carnation Blooms
 In Unlimited Quantities
 SHIPPED TO ALL POINTS.
Chicago Carnation Co., JOLIET, ILL.

Geo. A. Sutherland, Boston Flowers.
 WHOLESALE DEPOT FOR

All Florists' Supplies,
 67 BROMFIELD ST., BOSTON, MASS.
 Price lists mailed.

Wholesale Florists, JOBBERS IN
 Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.
FLORISTS' SUPPLIES
FLORISTS' VASES.
 Horticultural Auctioneers.
 84 HAWLEY STREET, BOSTON.

SHIPPING LABELS FOR
...Cut Flowers
 Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. In red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples....
 ELECTRO OF THIS LEAF, POSTPAID, \$1.25.
American Florist Co., CHICAGO.

It is good business policy to mention the
...AMERICAN FLORIST
 when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Aug. 1.	
Roses, Tea.....	1.00@ 1.50
" " extra.....	2.00@ 4.00
" Beauty, extra.....	10.00@15.00
" " firsts.....	5.00@10.00
Carnations.....	.25@ .75
" fancy.....	1.00@ 1.50
Lily of the valley.....	3.00@ 4.00
Asparagus.....	35.00@50.00
Smilax.....	10.00@15.00
Adiantum.....	.50@ .75
Sweet peas.....	.20@ .30
BOSTON, Aug. 1.	
Roses, Beauty, extra.....	15.00@20.00
" " medium.....	4.00@ 6.00
" " culls.....	1.00@ 2.00
" Bride, Bridesmaid, Meteor.....	.50@ 3.00
" " extra.....	3.00@ 5.00
" Kaiserlin.....	6.00@ 8.00
Carnations.....	.50@ 1.00
Lily of the valley.....	2.00@ 4.00
Asters.....	.30@ .75
Sweet peas.....	.05@ .10
Smilax.....	8.00@10.00
Asparagus.....	50.00
Hardy ferns.....	.20
Candytuft, Gypsophila, etc.....	10@ .15 per bunch

GIVE US A TRIAL! WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer, Wholesale Florists
 1604 LUDLOW STREET,
 PHILADELPHIA.
 Phone 1-42-69-A.
 Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS.
 LONG DISTANCE PHONE 3-45-94 D. PHILADELPHIA, PA.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-26 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG... Largest Grower of... in the West. Cut Flowers
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,
 5515 Fifth Ave, PITTSBURG, PA.
 LONG DISTANCE PHONE 2985.
 Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co., WHOLESALE FLORISTS.
 416 Walnut St., CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders.

J. M. COHEN, Florist,
 Telephone 2385.
 CONSIGNMENTS SOLICITED.
 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1903 Madison Square.
43 West 28th St., NEW YORK.

YOUNG & NUGENT,
Wholesale Commission Florists.

JUNE SPECIALTIES. Orchids, Roses,
Carnations.
Telephone 2065 Madison Sq. 42 West 28th St., NEW YORK CITY.

WILLIAM GHORMLEY,

Wholesale Commission Florist,
57 W. 28th. St., NEW YORK CITY.
Telephone 2200 Madison Square.

CONSIGNMENTS SOLICITED.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR
Violets  **Carnations.**
BROWERS and BUYERS make a note of this. It
will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cut Flower Exchange.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....
DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses 
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 1.	
Roses, Beauty, select.....	15.00@20.00
" " medium.....	4.00@ 6.00
" " culls.....	.50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
" " select.	3.00@ 4.00
Carnations.....	.50@ 1.50
Lily of the valley.....	2.00@ 2.50
Sweet peas per 100 bunches	1.00@2.50
Harrisi.....	4.00@ 6.00
Cattleyas.....	20.00 33.00
Gladioli.....	1.00@ 1.50
Asters.....	.25@ .75
Smilax.....	8.00@12.00
Asparagus.....	25.00@35.00
" Sprengerii, per doz, bun.	.75@ 1.00
Adiantum.....	.25@ .50
BUFFALO, Aug. 2.	
Roses, Beauty.....	10.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin.....	6.00
Carnations.....	1.00@ 1.50
Lily of the valley.....	3.00@ 4.00
Sweet peas per doz, bunches	.30@ .75
Auratum lilies.....	19.00@12.50
Roseum ".....	4.00@ 6.00
Gladioli.....	2.00@ 4.00
Asters.....	1.00@ 2.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy ferns, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders

WALTER F. SHERIDAN,
Wholesale Florist.
New Telephone No. 902 Madison Sq.
39 W. 28th St., NEW YORK.
ROSES SHIPPED Price List on
to all points. Application

Ford Bros...
 **Wholesale Florists**
111 West 30th Street, NEW YORK.
Consignments Solicited. Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE.

There Are Buyers

For all kinds of good stock
advertised in.....

THE AMERICAN FLORIST

J. K. ALLEN'S **POPULAR WHOLESALE**
CUT FLOWER HOUSE

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled
and well sold. Excellent facilities.  **Telephone 197 Madison Square.**

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421
Madison Square,NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
 ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO,
 Vice-Pres.; S. F. WILLARD, Wethersfield, Conn.,
 Secy and Treas.

J. E. NORTHRUP, of Minneapolis, has gone to the Pacific coast with his son and daughter.

CHINESE riot complications have advanced price of tea and may affect horticultural exportations.

ADAM CURRIE, of Currie Bros., Milwaukee, and Mrs. Currie have been at The Dells of Wisconsin.

THE directors of the Wholesale Seed Merchants' League will meet at the Astor House, New York, August 8.

THE Springfield Seed Co., Springfield, Mo., has been incorporated with increased capital for the purpose of extending their business.

OUR obituary column this week contains notice of the death of Charles H. B. Breck, of the firm of Joseph Breck & Sons, of Boston, Mass., and a portrait appears on page 2.

THE pea louse is reported making havoc in the Manitowoc pea district. Newspaper reports say 1,000 pea pickers left the fields because the vermin swarm in their faces.

ERFURT.—The prospects for flower seed crops were very poor up to the middle of July on account of the continual wet and cold weather, inducing a growth of weeds which choked the plants. The weather then changed for the better and in consequence the appearance of the crops improved.

Lynn and Thereabouts.

General repairs seem to be the order of the day and there is a little building in progress. Smith & Dolanski, a new firm, Mr. Dolanski having been with Blaney at Swampscott, are putting up a carnation house 18x100; at Malden, Kaulbach & Son are building two houses 20x100 and at Saugus A Rhodes is adding a house 20x75.

J. M. Ward & Co., at Peabody, are doing a nice business. Mr. Ward has a happy faculty of having the right stock at the right moment; in other words is "Johannie on the spot." He is only one of the florists in this neighborhood upon whom it is a pleasure to call.

There is some talk of the convention but I hardly think the attendance will be very large from this section. Among those who will go are H. T. Conant, of Salem, and William and James Miller, of Lynn.

At Salem Wm. Wake has everything in apple-pie order at his new range of glass built last year and Mrs. J. M. Julyn is as busy as ever.

A recent copious rain has put outdoor stock in very fair condition.

S. M. Gould, of Lynn, is in Nova Scotia for his health. TAP.

MENOMINEE, MICH.—L. Zechetto has received another importation of palms and ferns.

RICHFIELD SPRINGS, N. Y.—The Misses Bolton have opened their flower store in the Arcade.

MELROSE HIGHLANDS, MASS.—J. Walsh & Son are adding another house 35x90, making ten in their range.

JOHNSON & STOKES' GIANT KINGLY PANSIES.

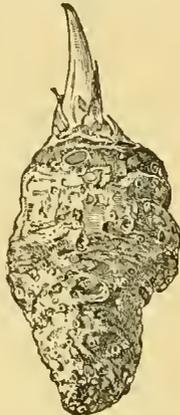
We have searched the world to get this strain up to its present standard of perfection, and it is now pronounced by our customers as unrivalled in size, substance of flower and richness of color.
 Trade pkt., 50c; 1/4-oz., \$1.25; oz., \$3.00. **FRESH SMILAX SEED**—Per oz., 25c; per pound, \$2.50.
ALLEGHENY DOUBLE FRINGED HOLLYHOCK.—Our Floracraft Strain. Trade pkt., 25c; 1/4 oz. pkt., 50c; per oz., \$1.50. **CINERARIA**.—James' Giant Strain, per pkt., 25c; 1/2 trade pkt. 60c; tr. pkt., \$1.
CALCEOLARIA.—James' Giant strain, per pkt., 25c; trade pkt., 60c.
 We are ready to book orders for White Romans, Freesias, Callas, Paper White Narcissus, etc.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.



CALIFORNIA Calla Bulbs

Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

FIRST SIZE, 1 1/4 to 1 1/2-in. diam., doz. 75c; 100 \$5.00.

SELECT, 1 1/4 to 1 3/4-in. diam., doz. \$1.25; 100 \$7.00.

EXTRA SELECT, 2 to 2 1/4-in. diam., doz. \$1.50; 100 \$9.00.

EARLY DELIVERY means much. Getting these bulbs when you want them is everything. Late surpluses at half price are not bargains.

VAUGHAN'S SEED STORE.

NEW YORK: 14 Barclay St. **CHICAGO:** 84-86 Randolph St.
 Please mention the American Florist when writing.

Chrysanthemums.

Now is the time to plant them. We offer extra fine, vigorous plants from 2 and 2 1/2-in. pots. Everybody likes them. They are so strong and healthy that they surprise all of our new customers: our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list:

EARLY. Per 100	MIDSEASON. Per 100
Ivory \$3.00	Major Bonnafon \$3.00
M. Henderson 3.00	Wm. Simpson 3.00
Geo. S. Kalb 3.00	V. Morel 3.00
Merry Monarch 3.00	G. W. Childs 4.00
Willowbrook 4.00	H. W. Longfellow 3.00
M. de Montmartre 3.00	Mrs. Murdock 3.00
Mrs. J. Whildin 3.00	Mrs. T. L. Park 6.00
John K. Shaw 5.00	Black Hawk 4.00
Golden Trophy 3.00	Mrs. C. H. Pierce 3.00
Glory of the Pacific 3.00	Mrs. H. Robinson 3.00
	Niveus 3.00

LATE. Per 100	LATE. Per 100
Mrs. J. Jones \$4.00	Nagoya 6.00
Liberty 4.00	Xeno 6.00
Merry Xmas 4.00	Adula 3.00
Autumn Glory 3.00	Harry Balsley 3.00
E. Daillidouze 4.00	Mrs. Baer 8.00
Golden Wedding 4.00	

In addition to the above we have a large list of new and other leading standard sorts. Send for complete list.

H. WEBER & SONS, Oakland, Md.

PAEONIAS

Our Specialty.

We grow them on a most extensive scale and in great variety. At the Paris Exposition this year we were awarded

First Prize for General Collection.
 First Prize for Novelties.

A. DESSERT, Horticulturist...
CHENONCEAUX, FRANCE.

CATALOGUES AND PRICES CURRENT FREE ON APPLICATION.

Please mention the American Florist when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following Palms in fine condition:

KENTIA FORSTERIANA, per 100, \$4 00; 5000 to 10 000 at \$3 50; 10,000 and over at \$3.00.

Also **CYCAS REVOLUTA STEMS** in assorted sizes, 3 lbs. to 12 lbs., at \$8.00 per 100 lbs., while unsold.

J. M. THORBURN & CO.
 (Late of 15 John Street)
 36 CORTLANDT STREET, NEW YORK

Die Bindekunst

Einzige Special Zeitschrift der Welt für **BLUMENBINDEREI.**

Probenummern umsonst.
 Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,
 ERFURT, DEUTSCHLAND.

NOTICE.

We are now ready to give you **LOWEST** estimates for **FIRST-class** stock of

Freesias, Harrisii, Callas, Romans Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address **H. H. BERGER & CO., (Est. '78) 47 Barclay St., N. Y.**
 Please mention the American Florist when writing

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for **NURSERYMEN, FLORISTS and SEEDSMEN**

SEND FOR PRICE LIST.
 Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.

VREDENBURG & CO., Rochester, N. Y.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs. . . .

\$2.00 Per Year. Sample Copies Free.
 Liberal terms to florists who take subscriptions.

THE GARDENING CO., Monon Bldg., CHICAGO.

New York Convention ...Number

AUGUST 18, 1900.

The Special Issues of the AMERICAN FLORIST have become famous as much for their technical, artistic and literary excellence as for their business bringing powers. In no one of these essentials will the New York Convention Number, representative as it will be of the spirit which will make this the greatest Convention in the history of the S. A. F., fall one jot below its predecessors.

Copies of this number will be mailed throughout the United States and Canada to every person in the trade whose business is worthy of consideration, also to leading foreign houses.

Advertisements in body pages will be taken at our ordinary rates, namely \$1.00 per inch, \$30.00 per page of thirty inches, with the usual discount on time contracts.

Advertisements on second, third and fourth *Special Cover Pages* (printed on heavy toned paper), \$30.00 per page, net.

American Florist Company,

324 Dearborn St., CHICAGO, ILL., U. S. A.



In order that you may be given the best possible position and display

PLEASE MAIL YOUR ADVERTISEMENT NOW.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

TREO J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THERE was a shortage of field grown roses in the south this year as a result of the severe freeze in February.

S. H. LINTON states that there will be more trees planted in the north half of Missouri this fall than in any previous season.

The European horsechestnut, *Esculus Hippocastanum*, and its variety, *alba flore pleno*, are rapidly gaining in popularity as lawn and street trees.

THE P. J. BERCKMANS, Co., of Augusta, Ga., reports that a law has recently been passed prohibiting the importation of nursery stock into Cape Colony from the United States. This step they understand to have resulted from the agitation of South African nurserymen, whose trade was suffering because of the competition of American firms, one of the principal shippers to South Africa being the Berckmans Company.

H. C. IRISH, of the Missouri Botanical Garden, St. Louis, has undertaken a study of the peach, with the view of compiling a catalogue with full descriptions of all the varieties grown in America. To this end he requests growers to send him three or four ripe specimens of each variety, together with a twig, a few leaves and a concise history and description of the tree and a statement of the success or failure of the variety for the past few years.

Kalamazoo, Mich.

The Kalamazoo Nursery and Floral Company, recently incorporated, is starting in to grow everything in the horticultural line except fruit and shade trees. The capital stock is \$10,000, paid in, and the stockholders are Chas. A. Maxson, C. A. Krill, Judge J. M. Davis, E. J. Phelps and W. C. Cook. Each gentleman except Mr. Phelps, who is president of the Kalamazoo National Bank, is provided with an office in the new organization, Mr. Cook being the manager. For the past six months he has been foreman for Irvine & Sons at Bay City, before that being manager for the Dunkley Floral Company here. The company has secured twenty-eight acres of land on North West street, just inside the city limits, and has contracted for four greenhouses 10x100 for miscellaneous stock. It is the intention to shortly erect a range for cut flowers.

The Central Michigan Nursery Company held its semi-annual stockholders' meeting July 13 and its reports showed a successful season. The officers elected were J. N. Stearns, president; E. D. Foster, vice-president; C. A. Maxson, general manager; C. A. Krill, secretary, and W. B. North and Orla Richardson, directors.

LAPEER, MICH.—W. H. Watson is this season adding to his range between 30,000 and 40,000 feet of glass, doubling his facilities and making his establishment one of the largest in eastern Michigan.

IOLA, KANS.—Mrs. George Waite, from Emporia, is going into business here, building two houses 20x60. A. L. Harman is adding two houses 20x85 and one 20x70, with boiler pit and reception room.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

Send for our Price List We have a fine stock, for fall delivery, of

Field Grown Roses, Clematis, 2 yrs. old, strong;
Flowering Shrubs, line assortment,
Ornamental Trees, Conifers.

To avoid disappointment, order now a supply of

ROSE-STOCKS FOR GRAFTING.

(Prices delivered in this country). *Rosa Manetti*, \$12 per 1000. *Rosa Polyantha*, \$8 per 1000. *Rosa Laxa* (Fröebeli), \$8.50 per 1000. The stocks most largely used by European growers for grafting tea roses.

Our representative, Mr. J. Austin Shaw, will be at the Convention and will be pleased to quote prices upon any wants in our line.

JACKSON & PERKINS CO., Newark, N. Y.

FIELD GROWN, OWN ROOT ROSES

ALL the best sorts, tender and hardy. Our solicitor will visit you and make prices, regardless of where you live or quantity you want, if you will drop us a card at once.

The Howland Nursery Co. Los Angeles, Cal.

Send to **THE MOON** Company
For Your Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE W. M. H. MOON CO., Morrisville, Pa.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Please mention the American Florist when writing.

Orchids!

Arrived fresh from the woods in fine condition: *Laelia anceps*, L. autumnal s. L. *Crispa*, l. *flava*, L. *grandis tenebrosa*, L. *Perinii*, *Oncidium Varicosum Rogersii*, *Cattleya Percivaliana* and C. *Mossiae*.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.
Please mention the American Florist when writing.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz.
GERANIUMS, S. A. Nutt and others, 3-in., \$4 per 100.
NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.
ASPARAGUS PLUMOSUS, 2½-in., \$5 per 100, \$40 per 1000. **ASPARAGUS SPRENGERII**, 2½-in., \$4.00 per 100; \$30.00 per 1000.
SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. **Carl Hagenburger, W. Mentor Ohio.**

NOVELTIES IN PLANTS That Can't Be Had Elsewhere.

Such as New *Kalanchoe Flammea*, New *Ucarvilleas*, New *Campaculia Mirabilis*, New *Buddelias*, New *Deutzias*, Mr. Peter Barr's New White Lupin, The Grand New *Salvia* glory of Stuttgart, The *Edelweiss* in bloom, New *Ruellias*, New *Hibiscus*, New *Begonias*, New *Cannas*, 200 New *Dahlias*, New *Treasure Vine*, New *Shamrock Pea*. Send for Catalogue of Novelties Always in quantity—*Asparagus Sprengeri*, *Boston Fern*, *Baby Pimpernel*, *Edelweiss*, *Fern Balls*, at lowest prices.

A. BLANC & CO., Philadelphia, Pa.
Please mention the American Florist when writing

BUY NOW PROPAGATING STOCK for Next Year.

	1/2 in. pots	Doz.	100
New <i>Hibiscus</i> , Peachblow, double pink flowers.....	2½	\$1.00	\$8.00
New <i>Aceratum</i> , <i>Stella Gurney</i> , dwarf blue.....	2½	.75	5.00
New <i>Salvia</i> , St. Louis, extra large flower spikes.....	2½	.75	5.00
New <i>Silver-Leaved Geranium</i> , Wm. Langzuth, dbl. red flower, 2½	1 50	10.00	
<i>Acalypha Sanderi</i> chenille plant 3	1.00	6.00	
New <i>Rose</i> , Evergreen Gem, strong, 2	1.00	8.00	
New <i>Rambler Rose</i> , <i>Helene</i>	2½	1.00	8.00

BOSTON FERNS. We have the largest and finest stock in the West. All well-grown, bushy plants in all sizes. Write for prices.

Vaughan's Seed Store,

CHICAGO, NEW YORK,
84-86 Randolph St. 14 Barclay St.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ARECA LUTESCENS, KENTIA BELMOREANA, PHOENIX RUPICOLA.

DRACAENA INDIVISA and VINCA VARIEGATA

Per 100
4-in. pot *Dracaenas* (fine stocky plants)..... \$10.00
2½ " *Vinca Variegata* Vines..... 2.50
Plants " " " from flats..... 1.50
2½-inch *Coleus*, *Crimson Verschaffeltii*, *Golden Queen* and mixed colors, \$2.00 per 100.

Cash With Order or C. O. D.
WM. A. CLARK & SON, 59 Slate St., Waterlown, N. Y.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

Edward B. Jackson, WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money
STAMFORD. - CONN.

Asparagus Plumosus

Fine 3-in. Stock, \$5.00 per hundred.
== *Smilax* == CASH WITH ORDER PLEASE.
Fine 3-in. Stock, \$2.50 per hundred.
VAN WERT GREENHOUSES,
.....VAN WERT, CHIO.

Imperial Violets,

Longest stems, largest flowers, darkest in color A) stock, fine large plants, \$5.00 per 100, \$15.00 per 1000.

M. LOUISE, LADY CAMPBELL,
\$2.50 per 100, or \$20.00 per 1000.
CASH WITH ORDER, PLEASE.

VAN AKEN BROS., Coldwater, Mich.

A good adv. in a good paper will bring good returns.

DREER'S SPECIAL OFFER OF PALMS.

The sizes enumerated below are of special good value, in fine condition and certain to give entire satisfaction.



KENTIA BELMOREANA.

ARECA LUTESCENS.

A fine, clean, thrifty lot of this popular graceful variety.

Inch pots.	No of Leaves.	Height.	Per doz.	Per 100	Per 1000
2 1/4	3	8-in.	\$1.50	\$12.00	\$100.00
3	3 to 4	12 "	2.50	20.00	180.00
4	4 to 5	15 "	4.50	35.00	
5	5	15 to 18 "	6.00	50.00	
			Each.	Dozen.	
6	5	24 to 28 "	\$1.00	\$12.00	
6	5 to 6	30 "	1.25	15.00	
6	6	28 to 32 "	1.50	18.00	
6	6 to 7	30 to 36 "	2.00	24.00	
7	6	36 to 42 "	2.50	30.00	

KENTIA BELMOREANA.

Inch pots.	No of Leaves.	Height.	Per doz.	Per 100	Per 1000
2 1/4	3	8-in.	\$1.50	\$12.00	\$100.00
3	3 to 4	10 to 12 "	3.00	25.00	200.00
4	4 to 5	15 "	4.50	35.00	
5	5 to 6	18 " light	7.50	60.00	
			Each.	Dozen.	
6	6	24 "	\$1.25	\$15.00	
6	6 to 7	26 to 28 "	1.50	18.00	
6	6 to 7	28 to 30 "	2.00	24.00	

KENTIA FORSTERIANA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2 1/4	3	8-in.	\$1.50	\$12.00	\$100.00
3	3 to 4	12 "	2.50	20.00	180.00
4	4 to 5	15 "	4.50	35.00	
5	5	15 to 18 "	6.00	50.00	
			Each.	Dozen.	
6	5	24 to 28 "	\$1.00	\$12.00	
6	5 to 6	30 "	1.25	15.00	
6	6	28 to 32 "	1.50	18.00	
6	6 to 7	30 to 36 "	2.00	24.00	
7	6	36 to 42 "	2.50	30.00	

COCOS WEDDELIANA.

Indispensable in filling Fern Dishes, Jardinieres, or for decorative purposes where a specially graceful plant is required.

2 1/4 in. pots.	4 to 5-inches high,	\$1.25	Per 100	\$10.00
3 "	8 to 10 "	2.00	Dozen.	15.00

5-inch pots, 4 plants in pot, 18-inches high, 75c each; \$9.00 per dozen.

COCUS PLUMOSUS.

2 1/4-inch pots.	\$1.00 per doz.,	\$ 8.00 per 100.
3 "	1.25 "	10.00 "

ARECA BAURI.

5-inch pots, 2 plants in a pot, 18-inches high, 75c each; \$7.50 per dozen.

CALAMUS INTERMEDIUS.

A pretty decorative species with dark green foliage, the stems of which are clothed with long dark spines. 5 inch pots, 15 inches high, \$1.00 each.

CARYOTA URENS. (Fish Tail Palm)

2 1/4-inch pots.	\$1.00 per doz.,	\$ 8.00 per 100
3 "	1.25 "	10.00 "
4 "	2.50 "	20.00 "

CARYOTA SOROLIFERA.

2 1/4-inch pots, \$1.00 per dozen, \$8.00 per 100; 3-inch pots, \$1.25 per dozen, \$10.00 per 100.

LATANIA SORBONICA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2 1/4	3		\$.60	\$ 5.00	\$40.00
3	4 to 5		1.00	8.00	75.00
4	4 to 5	12 to 15-in.	2.50	20.00	

LIVISTONA ROTUNDIFOLIA.

2-inch pots.	\$1.25 per dozen;	\$ 8.00 per 100
3 "	2.00 "	15.00 "

PHENIX RUPICOLA.

This variety is always scarce; we offer a limited lot of finely developed plants.

2-inch pots.	\$1.00 per dozen;	\$ 8.00 per 100
3 "	1.25 "	10.00 "
4 "	3.50 "	25.00 "

Finely characterized specimens as below:

6-inch pots,	18 inches high.	\$1.50 each.
8 "	24 to 26 "	2.50 "
9 "	30 "	3.50 "

PHENIX RECLINATA.

2-inch pots.	\$.75 per dozen;	\$ 6.00 per 100
3 "	1.00 "	8.00 "
4 "	3.00 "	25.00 "

Large Decorative Plants of Kentias.

We have a large stock of Belmoreana and Forsteriana in both single and made up Plants, the most of them growing in light wooden tubs 12, 15 and 18 inches in diameter, which can be supplied in excellent value at \$7.50, \$10.00, \$12.50, \$15.00, \$20.00, \$25.00, \$30.00, \$35.00 and \$50.00 each.

The smaller sizes from \$7.50 to \$20.00 are somewhat damaged in the foliage but for decorative purposes they are the best value we ever offered.

For a complete list of Palms, Ferns and other Seasonable Stock, see our current Wholesale Catalogue.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world. Now ready to ship; a splendid stock of plants in four true colors, red, white, pink, and white with carmine eye, from 2 1/4-inch pots, \$5.00 per 100; \$40.00 per 1000; from 3-inch pots, \$7.00 per 100, \$65.00 per 1000. 250 at the 1000 rate.

SPECIAL OFFER, CINERARIA HYBRIDA MAXIMA GRANDIFLORA and Maxima Grandiflora Nana, strain superb in every way, transplanted from flats, strong plants, \$1.50 per 100; \$12.50 per 1000. 250 at the 1000 rate.

CHINESE PRIMROSES, (ready Aug. 15th) in the finest market varieties, including blue, double white and red, from 2 1/4-in. pots, \$2.50 per 100.

ALL STOCK GUARANTEED A No. 1.
PAUL MADER, East Stroudsburg, Pa.

Geranium America... The QUEEN of all Geraniums. Come and see. 3000 plants in full bloom. Good strong stock plants from 4-inch pots,

\$2.50 per doz. \$20.00 per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

VIOLETS From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, \$2.50 per 100, \$20 per 1000. New Imperial, \$3 per 100, \$25 per 1000.

ROSES, fine plants of Meor and Perle, from 3-in. pots, at \$4 per 100; also 3-in. Brid's and Maids same price.

300 bushy SMILAX PLANTS at \$1.50 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

PRIMROSES.

IMPROVED CHINESE, ready for 3-inch pots. Well known throughout the United States and Canada as the finest large flowering fringed varieties grown. **SINGLES**, named, \$2.00 per 100, \$17.00 per 1000; **DOUBLE**, named, \$3.50 per 100. Extras added liberally to help pay expressage. **PRIMROSE SEED** of best 15 varieties, single and double, mixed, 500 seeds, \$1.00; half pkt., 50c.

GIANT PANSY SEED.

The very best mammoth varieties, no finer ever offered; all the seed plants critically selected. **SOW THE BEST**. Packet, 3500 seeds, \$1.00; half-pkt., 50c. A packet of the grand new Dwarf Forget-Me-Not "Blue Beauty" added to every seed order. Strictly cash prices.

THE HOME OF JOHN F. RUPP, Shiremanstown, Pa.

CHINESE PRIMROSES.

50,000 finest large flowering fringed.....	1000,	\$18.00;	Per 100,	\$2.00
Obconica grand., fimbriata, rosea and Forbest	"	"	"	2.00
Asparagus { Sprengerii.....	\$3.00 per 100	Pansy Seed, large flowering,		
Cinerarias, August 20.....	4.00 "	ounce,	\$4.00	
		per dozen,	\$10.00 per 100.	

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St. Chicago

Cinerarias.

Superb strain, large plants in flats, ready for 2-in. pots, \$1.50 per 100. Cyclamen, 3-in., ready for 4-in., \$4.00 per 100. Coleus newest fancy colors, large plants from flats, \$1.00 per 100. Heliotrope, held grown, the best dark blue, large plants full of cuttings, \$1.25 per dozen, \$10.00 per 100.

Sam'l Whitton, 13-17 Cray Av., Utica, N. Y.

Please mention the American Florist when writing.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At St. Louis.

The practice roll at the meeting July 30 is recorded as follows:

Player	1st	2d	3d	4th	Av
Kuehn	167	149	170	155	160
Weber	163	144	91		133
Young	136	161	97		131
Beneke	124	168	152	119	126
Shaw	96	115	149	132	123

M.

At New York.

Attendance at the alleys on July 30 was very light, most of the accustomed bowlers being away, getting in trim for the coming S. A. F. contest. Scores were recorded as follows:

Player	1st	2d	3d	4th	5th
Steffens	110	126	183	142	127
Siebenheller	104	137	133	158	168
Traendly	132	218	133		
Manda	160	115	158	161	178
Roehrs	158	137	118	147	219

At Detroit.

The following is the record made on the alleys July 30:

Player	1st	2d	3d	4th	Av
Scribner	198				198
Punkte	157	168	171	171	167
Breitmeyer	121	169	152	138	155
Holzagle	171	135	132	157	149
Flowerday	124	180	140		148
Beard	145	154	167	167	141
Davis	105	122	145	123	139
Duan	112	148	142	131	133
Pickworth	140	162	151	180	126
Watson	113	113	131	126	121
Sullivan	113	129	169	116	117
Taylor	99	120	97	136	113
Brown	102	113	100	126	110
Flammer	98				98

J. F. S.

At Chicago.

The following is the score made Friday evening, July 27, by contestants for places on the convention team:

Player	1st	2d	3d	Av
Fred Stollery	134	222	154	171
John Degnan	158	171	176	168
P. J. Hauswirth	195	146	158	166
E. P. Winterson	158	132	144	145
J. S. Wilsoo	126	156	138	140
Walter Kribling	127	133	158	137
Chas. Balluff	114	128	120	121

The team now stands: Asmus, Winterson, Degan, Hauswirth, George Stollery and either Fred. Stollery or Chas. Balluff

At the last meeting those who "also bowled" were:

Player	1st	2d	3d
Savage	156	163	167
M. Bloy	118	142	130
Schweigert	135	111	
Wilson Tripady	121	85	
John Reardon	92	107	
A. Lange	93	91	
Harry Balsley	112		

Providence.

DROUGHT ENDANGERS OUTDOOR STOCK.—MEETING OF THE CLUB—PARTY OF TWENTY FOR CONVENTION.—AN OUTING.

The long continued absence of rain has caused much uneasiness among the growers of field stock. Red spider on carnations in the field is not a desirable object. Asters have suffered very much, except on low or heavy soil. The excessive hot spell has made a scarcity in good roses as well as other stock for funeral flow-

ers. Reports about town are that business is very quiet.

At the recent meeting of the Florists' and Gardeners' Club of Rhode Island, a committee was chosen to secure state-rooms for the members of the club who will go to the convention. About twenty have already signified their intention of attending. President Hockey read a very interesting essay on fern spores.

By invitation of President Hockey the members of the club, their families and friends indulged in a basket picnic on the spacious grounds about his place. It was an ideal place for an outing. Games and music were provided as well as all kinds of refreshments. The fronts of the greenhouses were very prettily decorated with fancy lanterns of very unique design.

LITTLE RHODY.

MINNEAPOLIS, MINN.—John Monson is preparing to invest \$4,000 in a new range of houses, five 16x150 and one 30x50. He will also build a two-story office, packing room and boiler house.

FOR SALE Large Palms

In Excellent Condition.

As they are too large for our conservatory, we offer them at a very low price.

One Areca Lutescens, height 17 feet, specimen plant.

Two Kentia Belmoreana, height 8 feet, specimen plants.

One Latania Borbonica, height 10 feet, 10 feet diameter in crown, specimen plant.

Two Seaforthia Elegans, height 12 feet, very fine plants.

Two Oreodoxa Regia, height 13 and 14 feet.

Write for particulars and prices to

Youmans Bros.' Conservatory,
G. A. SELLENTIN, FLORIST. WINONA, MINN.

A Point Worth Knowing.

At the NEW YORK HOTEL you are but two minutes' walk from the Exhibition Building. Large, light and well-ventilated rooms, one dollar per day and upward. Popular priced Restaurant. Special rates to Florists. Write early for accommodations.

E. H. NIES, Mgr.

THE MURRAY HILL HOTEL

Park Ave., 40th and 41st Sts.,

NEW YORK.

One block from Grand Central Station.
Two blocks from the S. A. F. Convention Hall.

AMERICAN AND EUROPEAN PLAN.

Coollest Hotel in the city, at special rates for S. A. F. Members.

Baggage transferred to and from Grand Central Station FREE OF CHARGE.

1500 N. Cordata Compacta,

In 2-in. Pots, Strong Plants, at \$3.00 per Hundred.

Also Strong Plants from Bench, at \$2.00 per Hundred.

CHAS. SCHWEIGERT, Niles Center, Ill.

Bay Trees

Grand Pyramids,
Dense and Dark Foliage.
Exhibition Plants,
The Finest in Trade.

Height with tub, fifteen feet; diameter at the base, six feet. Solid new tubs, 28x28 inches.

Price per Pair, \$50.

With packing, duty, freight free at New York, Philadelphia, Boston.

Price per Pair, \$80.

To be had twenty-four pairs, all alike.

Also fifty pairs twelve feet high,

\$30 to \$50 per Pair.

Cash or good references with order required.

DE SMET FRERES,

The Nurseries,

Ghent, (Belgium).

Herr's == Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment. Plants only, and ready October 1st to January 1st.

FREE BY MAIL,

75c per 100, 250 for \$1.50; 500 for \$2.50.

By Express at Your Expense \$4 per 1000.

ALBERT M. HERR
LANCASTER, PA.

Chrysanthemums.

5000 IVORY,

1000 MME. F. BERGMANN.

\$3 per 100, - \$25 per 1000.

Also many other varieties in limited quantity.

NATHAN SMITH & SON, Adrian, Mich.

GOLDEN GATE.

200 Golden Gate Rose Plants, 3-inch, \$3.00 per 100. First-Class Stock.

FRED J. KING, Ottawa, Ill.

NEW CROP PANSY SEED.

Vaughan's International Mixture.

This mixture is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. It has been made up and sold by us for ten years, and has been improved upon every year, until now it cannot be beaten. Every florist knows Vaughan's International Mixture. Price, per oz., \$10.00; 1/8 oz., \$1.50; trade packet, 50c.

Vaughan's Giant Mixture.

This mixture is made up specially for those whose trade demands large flowers. It contains all the separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and other special strains which cannot be had any other way. Price per oz., \$1.00; 1/8-oz., 60c; trade packet, 25c.

GIANT TRIMARDEAU.—Mixed, per oz., \$1.00; 1/8 oz., 20c; trade packet, 10c.

CHICAGO PARKS BEDDING—Mixed, per oz., \$1.00. 1/4 oz., 30c; trade packet, 10c.

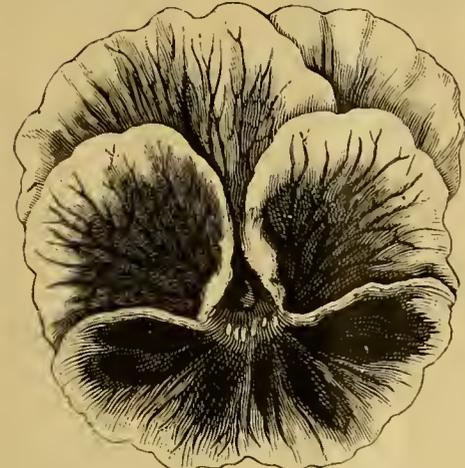
Send for our "BOOK FOR FLORISTS" for list of separate colors of pansies.

MIGNONETTE "BISMARCK."—Our Machel has a very good reputation, and is the best strain in existence. This new sort is an improvement on it, both in color and size of flower, and we want every florist to try it. Pkt. 15c.; 1/4 oz. 50c.

NEW CROP.

CYCLAMEN PERSICUM GIGANTEUM—This seed is grown for us by an expert in Europe. We have taken his entire crop for the past four years, and find it to be the finest strain we have ever seen.

GIGANTEUM ALBUM. —Moot Blanc, pure white.....	.75	\$5.00
DEEP CRIMSON. —Very large.....	.75	5.00
ROSA VON MARIENTHAL. —Splendid pink.....	.75	5.00
WHITE, CARMINE EYE.....	.75	5.00
GIANT FLOWERED SORTS. —Best mixed.....	1/8 oz., \$1.50;	.50 4.50



ASPARAGUS SPRENGERII.—50c per 100; \$4.50 per 1000 seeds.

SMILAX.—New crop, trade pkt., 10c; oz., 30c.

CHICAGO, 84-86 RANDOLPH STREET. **VAUGHAN'S SEED STORE,** NEW YORK, 14 BARCLAY STREET.

LAST CALL



Don't miss the opportunity to display your horticultural goods, plants, seeds, supplies and knick knacks at the

Greatest Convention and Exhibition of the S. A. F.

To be held in New York August 21 to 24.

FOR SPACE AND TERMS,APPLY AT ONCE TO THE MANAGER,

John P. Cleary,

60 Vesey St.,
N. Y.
CITY

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

WRITE FOR SPECIAL QUOTATIONS ON WIRE WORK DURING SUMMER MONTHS.

42 and 44 E. Randolph St., CHICAGO.

They are Fine; None better. We offer if unsold on receipt of order.

2100 Bridesmaid.....	in 4 -in. pots	100 \$4.00	1000 \$35.00
1000 ".....	3 1/2 " "	4.00	35.00
1720 ".....	3 " "	3.00	25.00
500 ".....	2 " "	2.00	20.00
300 Brides.....	4 " "	4.00	35.00
200 ".....	3 1/2 " "	4.00	35.00
3500 ".....	3 " "	3.00	25.00
1200 ".....	2 " "	2.00	20.00
3000 Meteors.....	3 " "	2.50	25.00

500 Mme. Chatenay.....	in 4 -in. pots	100 \$4.00	1000
100 ".....	2 " "	2.00	
125 Mme. Cusine.....	4 " "	3.50	
250 Lady Dorothea.....	4 " "	4.00	
150 ".....	2 1/4 " "	2.50	
2000 Golden Gate.....	2 1/4 " "	2.50	25.00
700 Maid of Honor.....	4 " "	3.00	
700 ".....	2 1/4 " "	2.00	

500 Brides and Maids in 3 and 4-in. pots. These are carried over stock; they are good. We offer them at \$12.00 per 1000.

Latania B-rhonica.....	3-in. pots,	\$ 6.00 per 100
Areca Lutesceus.....	4 " "	20.00 " "
Cocos Weddelliana.....	3 " "	12.00 " "
Asparagus Sprengerii.....	6 " "	25.00 " "
".....	4 " "	8.00 " "
".....	3 " "	6.00 " "
".....	2 " "	3.00 " "

Ficus Elastica, 6-in. pots.....75c to \$1.50 each.
Boston Fern, 8-in. pots.....\$25.00 to \$35.00 per 100
Plants are vigorous and unusually fine. Will be carefully packed, and we guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

Rose Plants in.... Perfect Condition

300 Meteor.....	3 1/2-in., per 100,	\$5.00
200 Bride.....	3 1/2 " "	5.00
300 ".....	3 1/2 " "	4.00
1000 Beauties.....	3 " "	5.00
100 Pra. Carnot.....	4 " "	7.00
100 Perles.....	3 " "	4.00

Schmidt's Pansies have no equal. New crop now ready; no matter what you pay, you cannot get a better strain; 1/4 ounce, \$1.25; 1/2 ounce, \$2.00; one ounce, \$4.00.
J. C. SCHMIDT, BRISTOL, PA.

Rose Plants. First class, healthy plants. To close out we quote the following low prices:

500 Beauties.....	3-inch,	\$4.00 per 100
1000 Perles.....	3 " "	3.00 " "
1000 Meteors.....	3 " "	3.00 " "
800 Bridesmaids.....	3 " "	3.00 " "
400 Brides.....	3 " "	3.00 " "

BROWN & CANFIELD, Springfield, Ill.

TRADE EXPANSIONISTS—
American Florist Advertisements.

A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago.

Washington.

DOINGS AT THE AMERICAN ROSE COMPANY'S PLACE.—LARGE PLANTINGS.—LEISSLER REBUILDING.—TO THE CONVENTION.

The American Rose Co. have finished planting their roses. They have planted four more houses of Ivory, and one house of the Hungarian yellow rose, also a few benches of a new pink rose for the third year's trial. Among other things they have a few hundreds of a dark sport of Mme. A. Chatenay. In all they have planted about 40,000 roses. They will plant only about 15,000 chrysanthemums this year. Their large carnation house is planted with tuberoses, which are doing well and they expect a good crop of flowers from them by the time they need the house for carnations.

George A. Leissler is rebuilding two houses 18x100, which will be used for ferns and palms. They will be heated by hot water, the other house being heated by steam. He has two houses planted with roses, Brides, Bridesmaids and Golden Gates. His Boston and other small ferns are very promising and carnations outdoors are looking fine.

As most of the growers are through planting and getting things shaped up in general, quite a number are going to New York to the convention, I think at least twelve. P. G.

Manchester, Mass.

The first sweet pea show ever held in Manchester was given last Friday evening by the North Shore Horticultural Society. The display was large and elegantly arranged and the prizes were worthily won. At the meeting on that evening eight new members were taken in and a liberal donation was received from some of the admiring shore residents: The subject for discussion at the meeting of this week is "Pine Tree Borers," a paper on that subject being promised by Secretary T. W. Head.

ELLSWORTH, ME.—Miss M. A. Clark has purchased the Dutton greenhouses and will remove them to her own establishment.

CARLINVILLE, ILL.—Browne Bros. are remodeling their range of glass and adding one house for carnations, the demand for this flower having exceeded the supply last season.

GOOD ROSES

NOT SURPLUS.

1000 Maids, Brides and Meteors, large, strong 3-in. stock, \$4.00 per 100. Very choice Perles, \$5.00 per 100. This stock is worth more money, and is large enough for late planting.

W. H. GULLETT & SONS, Lincoln, Illinois.

CARNATIONS!

F. Dorner & Sons Co.,

LA FAYETTE, IND.

Please mention the American Florist when writing.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

25,000 Carnations 25,000

FIELD GROWN PLANTS OF THE FOLLOWING VARIETIES:

15,000 Flora Hill.....	\$ 5.00 per 100	2,000 Eldorado.....	4.00 per 100
4,000 White Cloud.....	8.00 "	1,000 Wm. Scott.....	4.00 "
1,000 Mrs. Bradt.....	10.00 "	1,000 Daybreak.....	5.00 "
1,000 G. H. Crane.....	10.00 "	500 Emily Pierson.....	4.00 "
1,000 McGowan.....	4.00 "		

These Plants are all in first-class condition, good size and healthy stock. Write me if you are in need of a large quantity.

CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

A Rose Bargain.

We offer the following price inducement to clear the balance of our stock at once:

5000 METEORS, Extra fine;

4000 BRIDES, Up to our usual grade.

All 2 1/2-inch Stock, \$20 per 1000, \$135 for the lot. Speak quick if you want them all.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO.....

Choice Pot Plants, 1c Each

We wish to give our customers the benefit of very low prices for a short time.

Geraniums, the choicest, most desirable varieties to be had, true to name. Bruanti (best semi-double scarlet), S. A. Nutt, Athlete, White Swan, La Favorite, Mrs. J. M. Garr (best single white), Beate Poitevine, American Wonder, Mrs. E. G. Hill, Mme. Bruant and others, \$2.00 per 100, strong 2 1/2-in.; Rose Geraniums and Mme. Sallerol, 1c each, strong 2-in.

Petunias, double fringed, 1c full bloom, Henderson's and Dreer's latest superb sets, strong 2-in. 1c each; really worth \$1.00 per doz.

Fuchsias, choicest sorts, strong 2-in., \$1.50 per 100; fine 4-in., full bloom, at 6c; 2 1/2 and 3-in. at 2c.

Coleus, elegant named varieties, all beauties, 1c each, strong 2 and 2 1/2-in.

Ageratum, Princess Pauline (latest blue), strong 2-in., 1c.

Salvias, 1c.

Asters, Giant Comet (true) in pure white and lavender, pink and white, strong 2-in., 1c. Plant in bench, they'll pay.

Roses, fancy extra select Brides, Perles and Maids, 3-in., 4c; the same in 2 1/2-in. pots, including Meteor, 3c; Kaiserin, Wootton, Golden Gate, Belle Siebrecht, strong 2 1/2-in., 4c.

Smilax, extra strong, 2-in., as fine as you could wish, \$1.50 per 100, \$12.50 per 1000.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

ROSES

Bride and Bridesmaid, strong 3-in., \$5.00 per 100.

VIOLETS

Marie Louise, strong field grown, \$2.50 per 100.

CARNATIONS

From field; Scott, Meteor, Victor, Mrs. Jas. Dean, White Cloud, Flora Hill, etc., at market prices.

E. M. & H. N. HOFFMAN, Elmira, N. Y.

Field Grown CARNATIONS

Orders booked now for fall delivery. GEO. HANCOCK & SON, Grand Haven, Mich.

ROSES

	2 1/2-inch.	3-inch.
	Per 100	Per 1000
Brides.....	\$3.00	\$25.00
Maids.....	3.00	25.00
Cloth. Souper.....	3.00	25.00
Meteor.....	3.00	25.00
Am. Beauty.....	.....	.....
	Per 100	Per 1000
	\$ 4.00	\$15.00
	5.00	45.00
	5.00	45.00
	8.00	75.00

Mixed Jardiniere Ferns, mostly pteris varieties.....	\$3.00	\$25.00
Asparagus Sprengerii, 2 1/2-in.....	4.00	35.00
Plumosus.....	6.00	55.00
Adiantum Farlyense, fine stock, 6-in. pots, 50c each		
	Per 100	Per 1000
Smilax, 3-inch.....	\$ 4.00	\$15.00
Dracæna Terminalis, 4-inch.....	.....	15.00
Phœnix Canariensis, elegant stock, 4 1/2 to 5-inch		
	.....	20.00
Chamærops Excelsa, 5-inch	.....	25.00
	.....	20.00

J. B. HEISS,

The Exotic Nurseries, DAYTON, O.

ASSORTED FERNS,

In flats, ready for potting, \$2.00 per flat.

BOSTON FERNS,

Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$30.00-\$25.00 per 100. Also fine plants in 5-6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100, \$4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, \$8.00 per 100.

Asparagus Sprengerii, 2-in., \$6.00 per 100. Kentia Belmoreana, 2 1/2-in. pots, \$10.00 per 100; 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00.

Sand for Particulars.

BOBBINK & ATKINS RUTHERFORD, N. J.

ACALYPHA SANDERI

2 1/2-inch pots, \$8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY, West Grove, Pa.

Carnations SURPLUS STOCK

Field Grown, Heavy and Stocky.

TRIUMPH, MRS. JOOST, ARGYLE, MELBA, GLACIER, FLORA HILL, \$5.00 PER HUNDRED

JOY & SON, Nashville, Tenn.

We like to have you tell our advertisers that you read our paper

Roses for Florists

OUR Rose Plants are all grown for the trade. We do not grow cut flowers. Such plants, we claim, are well worth more money than ordinary surplus stock.

Our Roses are all shifted from 2-inch pots and equal to most stock usually sold as 3-inch.

	2½-in., per 100	3½-in., per 100
American Beauty.....	\$6.00	\$12.00
Brides.....	3.00	8.00
Bridesmaids.....	3.00	8.00
Perles.....	3.50	9.00
Kaiserin.....	4.00	10.00
Meteor.....	3.00	7.00
Wootton.....	5.00	
Golden Gate, 2-in.....	3.00	
Sunset.....	4.00	10.00

Bedding Roses, in 2-in. pots, strong stock, in variety, \$2.50 per 100, \$20 per 1000.

Vaughan's Seed Store,

CHICAGO, NEW YORK,
84-86 Randolph St. 14 Barclay St.

ROSE PLANTS

METEOR
BRIDESMAID
BRIDE
LA FRANCE
PERLES

From 2½ and 3-in. pots,
Per 100, \$3 00; 1000, \$25.00.

AMERICAN BEAUTY, 3-inch pots, per 100, \$5.00; per 1000, \$45.00.

AMERICAN BEAUTY and LA FRANCE, bushes headed in open ground, per 100, \$2.50; per 1000, \$20.00.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Special Rose Plants

GROWN FOR OUR OWN USE.

1500 Brides
600 Bridesmaid
300 Meteor
100 Beauty

Also Surplus Plants

Choice Chrysanthemums.

Write for prices.

J. M. GASSER, Wholesale Grower of
Cut Flowers,
Euclid Ave., CLEVELAND, O.

ROSES Strong and Healthy,
From 3½-in. pots,
\$5 PER 100.

Perles, Brides and Maids.

H. E. WILSON, 134 Hayward Pk.,
.....Rochester, N. Y.

Cyperus Umbrella Plants

Fine, extra strong 2-in. pots, \$2.00 per 100.

Globe Greenhouses, 53rd, Adams and Jackson St.,
Austin, Ill.

10,000 American Beauty Plants,

FINE STOCK, FROM 3-IN. POTS,

\$5.00 per 100 * \$40.00 per 1000.

	Per 100	Per 1000
Kaiserin, 3-inch pots.....	\$4 00	\$35.00
Golden Gate, 2½-inch pots.....	4.00	35.00
Bridesmaid, Perle, Meteor, 3-inch pots.....	4 00	35.00

PETER REINBERG, 51 Wabash Ave.,
.....CHICAGO.

40,000 FIRST QUALITY FORCING ROSES,

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagation.

AMERICAN BEAUTY, METEOR, KAISERIN, SAFRANO, BRIDESMAID, BON SILENE, PERLES, MAID OF HONOR, BRIDE.
3-inch pots, \$7.00 per 100. 4-inch pots, \$10.00 per 100.

GRAFTED ROSES. Maid of Honor, Golden Gate, 3½-inch pots, \$15.00 per 100. Liberty, 4-inch pots, \$3 00 per dozen, fifty plants for \$24.00.

J. L. DILLON, BLOOMSBURG, PA.

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100 MAID, BRIDE, PERLE, 3½-inch, \$8 00; 4-inch, \$10.00. Also SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHOTOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, GRAFTED BRIDE, \$20.00 per 100, large 4-in. ASPARAGUS PLUMOSUS, all sizes. MARIE LOUISE VIOLETS, SMILAX.
A. S. MacBEAN, LAKEWOOD, N. J.

All Grafted BRIDES and BRIDESMAIDS

4-inch \$15 per 100; 2½-inch \$9 per 100.

METEORS, 4-inch, \$8; 3-inch, \$6; 2½-inch, \$4.
PERLES, SUNSETS, 4-inch, \$8; 3-inch, \$6.

CHRIS. HANSEN, St. Paul, Minn.

Cut Flowers Shipped Always on Time.

Please mention the American Florist when writing.

TO CLOSE OUT.

500 American Beauties, 2½-in., \$5 00 per 100, or \$20.00 for the 500.

2000 Kaiserin, 2000 Golden Gate, 2000 Bridesmaid, 1000 Meteor, 500 Garrett, 500 Bride, 500 Perle, 500 Mermet, 3 and 3½-in., \$3.00 per 100, or \$25.00 per 1000.

These are Fine Plants. Cash With Order.

MRS. J. W. CROUCH, Chattanooga, Tenn.

ROSES CLEAN, HEALTHY PLANTS, FROM 3-INCH POTS.

American Beauty and Kaiserin..... \$6.00 per 100

Perle and LaFrance..... 5.00 "

Meteor, Albany, Sunset, Golden Gate, 4.00 "

Bride, Bridesmaid, Wootton..... 4.00 "

Perle, Sunset, LaFrance, Bride, Bridesmaid, Meteor, Kaiserin and Golden Gate, from 2-inch pots..... 2 50 "

JOSEPH HEINL, Jacksonville, Ill.

BARGAIN in PERLES

We have 2,000 STRONG 3-IN. PERLES in superb growth, beautiful plants, worth \$6.00 per 100. To sell them quick we make the price \$5.00 PER 100. Great stock for early bloom.

W. H. GULLETT & SONS, LINCOLN, ILLINOIS.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA.

MIGNONETTE.

Allen's Deliance, seed from selected apikes, 25c per pkt., \$1.00 per ounce.

J. C. SCHMIDT, BRISTOL, PA.

Meteor Roses

METEOR, 3½-inch pots..... Per 100 Per 1000
\$4.00 \$37.50

Potted and repotted four times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, Chicago, Ill.

SEE last week's ad and make us an offer on what you want.

GEO. A. KUHL, Pekin, Ill.

60,000 Feet of Class.

...ROSES Per 100

300 Brides, 2½-in., \$2.50; 250 Maids, 2½-in., \$2.50; 100 Belle Siebrecht, 2½-in., \$2.50; 100 Kaiserin, 2½-in., \$2 50; 50 Wootton, 2½-in., \$2 50.

BEGONIA REX, in good assortment, 400 in 2½ and 3-in., \$3.00 per 100; 100 3½-in., \$6.00 per 100.

SMILAX, 200 2½-in., per 100, \$2.00.

ISAAC MILES, OSHKOSH, WIS.

Please mention the American Florist when writing.

BRIDES and MAIDS

In 2½-inch Pots.

\$2.50 per 100 - - \$20 per 1000

JOHN MUNO,

Rogers Park, CHICAGO.

Please mention the American Florist when writing.

ROSES

1800 Brides, } 3-in., \$4 per 100
300 Maids, }

CASH WITH ORDER, PLEASE.

ALBERT F. AMLING, Maywood, Ill.

Please mention the American Florist when writing.

BOSTON FERN ...A... SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Nashville.

JOY & SON INCORPORATE.—MEMBERS OF THE FIRM —BUSINESS DULL AND STOCK SCARCE.—HYDRANGEAS IN FUNERAL WORK.

Joy & Son have taken out articles of incorporation under the name of the Joy & Son Company. The incorporators are Thomas S. Joy, Thomas C. Joy, Paul Sloan, Calvin B. Harrison and David P. Wrenne. Business will be conducted at the same store, 606 Church street. The parties interested are all enterprising men and will push the business for all it is worth. They have a large garden and ample greenhouse space and have been very successful in rose culture and in growing all flowers usual to a general floral business.

Business is at a standstill but growers are utilizing the time in making preparations for the next season's trade. Chrysanthemums are looking well and roses give a rare promise of excellence for the future. But few roses are being cut and when there is an extra demand, as there is occasionally for funerals, enough to supply the call are ordered in.

The hardy hydrangea is in perfection just now. A pall made by one of the florists last week was almost covered with handsome bunches of hydrangeas caught with white ribbon. The effect was very pleasing and novel.

M. C. DORRIS.

MINNEAPOLIS, MINN.—Fred. Busch is rebuilding a number of his greenhouses and mushroom sheds.

NO. ADAMS, MASS.—Growers of sweet peas in this vicinity are suffering because of the greenfly which is devouring their vines.

SABULA, IA.—W. B. Lovell, who has recently returned from a tour of old Mexico, has presented Ellisonian Institute, Maquoketa, with a set of seventy-two photographs of Mexican scenery, snapshots taken by himself on his journey.

INDIANAPOLIS, IND.—Francis Smith, of Richmond, Ind., has purchased the property of Mrs. E. H. Poole, occupied and operated by Baur & Smith. The investment was made to permit that firm to improve and add to the range of glass as the business demands.

100,000 FERNS IN FLATS - - -

At One Cent.

Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginellas, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

BEGONIA GLOIRE DE LORRAINE
Plants from 2-inch pots,
\$2.50 per dozen; \$17.50 per hundred.

Money Order Office,
Chestnut Hill,
Sta. H. Philadelphia.

EDWIN LONSDALE,
Wyndmoor,
Montgomery Co., Pa.

Going to the Convention



If so, your trip will not be complete without a visit to
M. RICE & CO.

LEADING FLORISTS' SUPPLY HOUSE IN AMERICA,

Who extend a CORDIAL INVITATION to ALL FLORISTS to the use of our facilities and to make our place their HEADQUARTERS while in Philadelphia.

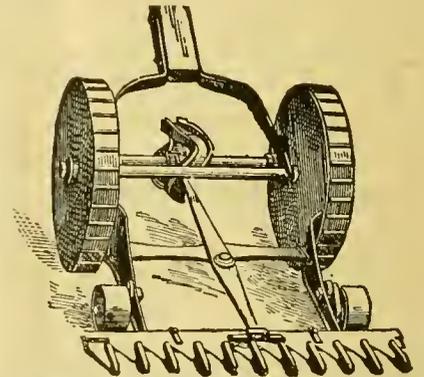
YOURS VERY TRULY,

M. RICE & COMPANY,
No. 918 Filbert Street, PHILADELPHIA, PA.

TO CLEAN UP THE MOWER

	Per 100
5,000 Geraniums, mixed	2 1/4 in. \$1.50
1,000 Red Vernon	2 1/4 " .. 1.50
1,000 Erfordias	2 1/4 " .. 1.50
2,000 Begonias, mixed	2 1/4 " .. 1.50
1,000 Fuchsias, mixed	2 1/4 " .. 1.50
2,000 Salvias	2 1/4 " .. 1.50

THAT will KILL ALL THE WEEDS IN YOUR LAWNS. If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. The Clipper will do it. Send for price and prices.



CLIPPER LAWN MOWER CO., Norristown, Pa.

The Morris Floral Co., MORRIS, ILL.

Asparagus Plumosus Nanus.

TRANSPLANTED seedling plants for July and August delivery, ready for 2 1/4-in. pots, at \$3.00 per 100, \$25.00 per 1000; 500 at thousand rates, (free delivery).

CASH WITH ORDER, PLEASE.

R. ASMUS, New Durham, N. J.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

500,000 CELERY PLANTS.

Strong transplanted plants, 25c a 100, \$2.00 a 1000. Good seedlings, 2 inches high, 25c a 1000; by mail 10 per cent more. W. Plume, G. Pascal, B. Market, Golden S. Blanching and Dwarf Red.

SMILAX, strong, from 2 and 2 1/2-inch pots, \$1.00 a 100, \$9.00 a 1000.

CASH WITH ORDER PLEASE. SAMPLE 10c.

R. KILBOURN, Clinton, N. Y.

Beauties. Sprengerii.

AM. BEAUTY ROSES, good, 3-inch, \$6.00 per 100.

ASPARAGUS SPRENGERII, strong plants, ready for 3-inch pots, \$5.00 per 100, \$45.00 per 1000.

Robert F. Tesson, West Forest Park, St. Louis, Mo.

CELERY AND CABBAGE.

CELERY. Pink Plume (extra strong), Golden Self Blanching, Giant Pascal, Golden Heart, New Rose and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Drumhead Savoy and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

KALE. Dwarf, Green, Curled, Scotch, same price as Cabbage. If any of the above plants by mail, add 10c per 100.

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brassed and nickled, with three clasps for 6 to 6-in. pots, each, \$1.75.

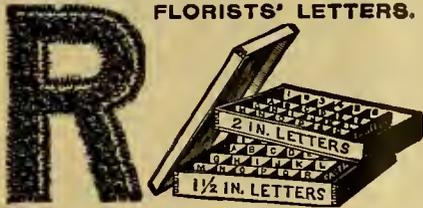
Kift's patent rubber capped Flower Tubes, 1/4-in. diameter, per 100, \$3.50.

JOSEPH KIFT & SON, Florists, 1725 Chestnut St. Philadelphia, Penn.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00.
Script Letters, 4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

Raw Cycas Leaves.

See last week's Florist for prices, etc.

UVA GRASSES, undyed, \$6.50 per 100
BIRCH BARK for plant boxes, 7c per lb.
GALAX LEAVES, new crop, 75c per 1000
All kinds of PALM LEAVES, already prepared or dried for preparing purposes.

FLORIDA NATURAL PRODUCTS CO.,

P. O. Box 273, Indianapolis, Ind.

Sigmund Geller, Importer, Jobber and Manufacturer of

Italian Bleached Florists' Supplies,
Wheat, Rush and Braids for American Manufacture.

Metal Goods, Moss-Wreaths, Cape Flowers, Immortelles, Chenille, Tinfoil, Doves, Baskets, Sheaves, Vases, Jardinieres, Fernishes, Novelties, etc.

108 W. 28th St., near 6th Ave., NEW YORK.

HEADQUARTERS FOR

COCOA FIBRE, SPHAGNUM and GREEN MOSS, BONE MANURE, RUSTIC WORK, all kinds, IMPORTED SOOT, CLAY'S FERTILIZER.

DUNNE & CO., 54 West New York, 30th St.

HORTICULTURAL SUPPLIES.

THE Regan Printing House

NURSERY SEED FLORISTS CATALOGUES

87-91 Plymouth Place,
CHICAGO.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC^{TO} N. STEFFENS. AND STEFFENS BROS.



"PLANT CULTURE" By GEORGE W. OLIVER. Now Ready for Delivery.

A Working Handbook of Every-day Practice for the Florist, Gardener and Nurseryman
And all who grow plants and flowers in the greenhouse or garden. Contains separate chapters on all branches of the work.

12mo, 193 Pages, Price \$1.00 by Mail Postpaid. For full description see advt. in July 28th issue of this paper, page 22.

or send for complete circular to THE FLORISTS' EXCHANGE, P. O. Box 1697, New York.

Vail's New Plant Stake

bamboo. Cut any length desired; always ready for use; 3 ft. at \$1.50 per 1000, 3 1/4 ft. at \$2.00 per 1000; 4 ft. at \$2.50 per 1000; 4 1/4 ft. at \$3.00 per 1000; F. O. B. Indianapolis. Remember the freight is cheaper than on cane stakes.

THE VAIL SEED CO., Indianapolis, Indiana.

"NICOMITE"

(PATENT)

Vapor Insecticide POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

ALL GREENHOUSE BUGS.

SOLD BY SEEDSMEN.

The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.



THE KINNEY PUMP.

For applying Liquid Manure it has no equal!

Sent prepaid for \$2.50.

Without spraying valve \$2.00.

Ad-dress The HOSE CONNECTION CO. KINGSTON, R. I.

Möller's Deutsche Gärtner-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt. (GERMANY)

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J

Nikoteen Aphis Punk It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required - No heating of irons - No trouble - Cannot injure the most sensitive blooms - Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabcura Dip Co.
St. Louis - Chicago.

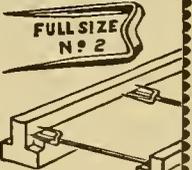


LIQUID PLANT FOOD

For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

Holds Glass Firmly

See the Point  FULL SIZE No. 2

The Van Ruyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

Always mention the American Florist when you order stock.

Baltimore.

BEDDING AT PATTERSON PARK.—CUT FLOWER TRADE CONFINED TO FUNERAL WORK.—RAIN BREAKS THE DROUGHT.—VARIOUS NOTES.

In spite of the adverse season, some of the most beautiful bedding seen in years is on view in the squares and parks. To mention all the worthy ones would be impossible, but a large carpet bed near the mansion at Patterson Park and the croton beds at the same place are certainly gems. This being the first season in which the whole bedding of the city is under control of the park board and its officials, some confusion was to have been expected, owing to the great extent and variety of the work, but, if there was any hitch it is not apparent in the results, and Mr. Seybold and his assistants deserve high praise for their work.

The growers have been favored at last by a rainfall which was enough to put an end to the drought which has held all vegetation at a standstill. Every one is hard at it, getting his houses in shape, planting and repairing. Mr. Anderson, of the old firm of Madsen & Anderson, now in business for himself, has erected two rose houses, 12x100 and 20x100 respectively.

Trade in cut flowers continues slow but the supply is slow, too, so matters are not so unevenly balanced as is usual at this season. Funeral work continues to be the standby and those dealers whose specialty runs in this direction are the busiest people in town. White flowers are in steady demand and are a sure sale at remunerative prices.

Notice is published of the dissolution of the partnership of Fischer & Ekas, Henry Fischer continuing the business.

E. A. Seidewitz, of Annapolis, is erecting a range of houses at Arlington, near this city. MACK.

MITCHELL, S. D.—E. C. Newbury has his roses, carnations and chrysanthemums all planted and doing better than ever before. He looks for a big trade. Mitchell, and in fact the whole of South Dakota, is growing rapidly.

NEWPORT, R. I.—Hitchings & Co. are building for E. J. Berwind a fine range of houses as follows: Palm house, 25x80; rose house, plant house, carnation house, stove house and vinery, each 20x34; peach house, 25x25; propagating and fern houses, and service building 25x25.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

STEAM COAL FOR FLORISTS.

CHICAGO, April 7th, 1900.

HULL & COMPANY, 74 and 75 Traders' Building, Chicago, Ill.,

GENTLEMEN:—In reference to my opinion of your THACKER SPLINT COAL, will say I am v.ry well pleased with it and think it is superior to any Coal of the splint grades we have yet used. Burns free, making an intense heat with very few ashes; no clinkers, and has the lasting quality of all high-grade Coal. I certainly consider it a very economical Coal to burn.

Yours very truly, J. A. BUDLONG, Wholesale Florist.

Write us for price on single carload orders or season contract, delivered at any point in the United States. 'Phone Har. 960.

HULL & COMPANY, 74 & 75 TRADERS BUILDING, CHICAGO.

Please mention the American Florist when writing.

GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

LANCASTER, PA., June 17, '99. MR. THERON PARKER, Brooklyn, N. Y.:

Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900. Very Respectfully, ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.,

226 North 9th Street, BROOKLYN, N. Y.

THE MODEL ROSE STAKE Looped and Pointed.

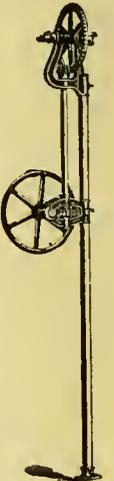
THE MODEL PLANT STAKE for Lilies and all Pot Plants.

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO., YOUNGSTOWN, O.



Invalid Appliance Co., MANUFACTURERS OF COLUMBIA PLANT TUBS (PATENTED) "The kind that never fall apart." If your apothecary doesn't handle them, order of us direct. FACTORY AND OFFICE: 150-100 WEDDER ST., CHICAGO. TELEPHONE NORTH 955.

THE Gardeners' Chronicle.

A Weekly Illustrated Journal.

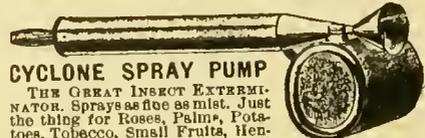
ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, \$4.20 per year. Remittances to be made payable to H. G. COVEH.

OFFICE:—

41 Wellington St., Coven Garden, London, England.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All in. 50c.; all polished copper, \$1.00. Cash with Order. Weighs boxed, about 5 pounds. Buyer pays express. STEVENS & CO., 107 Chambers St., N. Y. City.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWAHN'S POTTERY MFG CO., P. O. Box 78, Minneapolis, Minn.

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A." Chilwell Nurseries - Notts, England.

WHILLDIN POTTERY CO.
STANDARD

BRANCH WAREHOUSES
 KEARNEY AND WESTSIDE AVES. JERSEY CITY, N. J.
 JACKSON AVE & PEARSON ST. LONG ISLAND CITY, N. Y.

FACTORY. 713-719 WHARTON ST. PHILADELPHIA, PA.

ESTAB. 1765
A. H. HEWES & CO.
 NO. CAMBRIDGE MASS L. I. CITY N. Y.
 CATALOGUE FREE.

The Bottomless Pot

Pat'd,
 MORE ESPECIALLY FOR VIOLET AND CARNATION CULTURE,
 ALSO
THOSE RED POTS
 "Standards."
 Azalea Pots, Fern Pots, Bulb Pans.

DETROIT FLOWER POT M'FY,
 Established 1853. DETROIT, MICH.
 P. O. Address, 490 HOWARD ST.
 HARRY BALSLEY, Traveling Representative.
 Please mention the American Florist when writing

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20		
1500 2 1/2 " " " 6.25	80 8 " " " 3.00		
1500 3 " " " 6.00	48 9 " " " 3.60		
1000 3 " " " 5.00	48 10 " " " 4.80		
800 3 1/2 " " " 5.80	24 11 " " " 3.60		
500 4 " " " 4.50	24 12 " " " 4.80		
320 5 " " " 4.51	12 14 " " " 4.80		
144 6 " " " 3.18	6 15 " " " 4.50		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
 OR.... FORT EDWARD, N. Y.
 AUGUST BOLKER & SONS, New York Agents
 52 DEY STREET, NEW YORK CITY

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.
 Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.
 Please mention the American Florist when writing.

Water Every Day in the Year for Flowers and Lawns when

RIDER or ERICSSON HOT AIR PUMPS

are used. Nearly 25,000 sold during the past twenty-five years.

Send to nearest office for Catalogue "A 3."

RIDER-ERICSSON ENGINE CO.

28 Cortlandt Street, New York. Teniente-Rey 71. 86 Lake Street, Chicago.
 239 Franklin Street, Boston. Havana, Cuba. 40 N. 7th Street, Philadelphia.
 692 Craig Street, Montreal, P. Q. 22 A. Pitt Street, Sidney, N. S. W.

MACHINERY and SUPPLIES at BARGAIN PRICES

We have the largest machinery depot on earth. We secure our machinery from the various buildings and plants that we are constantly buying. We purchased The World's Fair, The Omaha Exposition, The Chicago Post-Office and numerous other noted structures. Our facilities for rebuilding machinery are unsurpassed. We cover all our sales with binding guarantees. **BOILERS FROM \$25 UP. ENGINES FROM \$35 UP. STEAM PUMPS FROM \$15 UP - etc., etc.**

We also carry a complete stock of general supplies, such as BELTING, SHAFING, HANGERS, PULLEYS, IRON PIPE, VALVES and FITTINGS, IRON ROOFING, HARDWARE, PLUMBING MATERIAL, etc. Cut this ad. out and we will send you Free our 250 page Catalogue No. 7. We are constantly buying entire stocks at Sheriffs and Receivers Sales.

CHICAGO HOUSE WRECKING CO.
 West 35th and Iron Streets, CHICAGO.

CYPRESS WRITE FOR CATALOGUE
GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

THE GORTON SIDE FEED BOILER

Is specially constructed so that it will maintain a steady fire all night without attention, which is a very important item to be considered in selecting a greenhouse boiler.

Send for Catalogue and investigate for yourself.

GORTON & LIDGERWOOD CO., 96 Liberty St., NEW YORK.

Valley Gutter and Drip Conductor, 40c per foot. Without Drip Conductor, 40c per foot.

Jennings Bros., GREENHOUSE DESIGNERS... & BUILDERS.

Mfrs of and dealers in Greenhouse Specialties.
 Patent Iron Bench Frame Fittings, Improved Cast iron Gutters and Plates.

Send for Catalogue. **Jennings Bros.,** Olney, Philadelphia, Pa.

When writing please mention American Florist.

GEO. KELLER & SON, MANUFACTURERS OF **Flower Pots.**

Before buying write for prices.
 381-383 Herndon Street near Wrightwood Ave., CHICAGO, ILL.

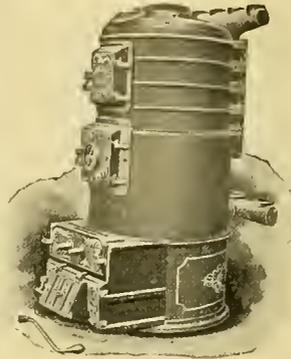
Standard **Flower Pots**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
 28th and M Streets N. E. WASHINGTON, D. C.

Index to Advertisers.

Advertising Rates.....	6	Kilbourn R.....	20
Allen J K.....	11	King Fred J.....	16
American Rose Co.....	8	Krossell Bros Co.....	14
Amiling Albert F.....	19	Knehn C A.....	10
Amiling E C.....	9	Kuhl Geo A.....	19
Asmus R.....	20	Lager & Hurrell.....	14
Barnard W W & Co.....	1	Lake w Rose Garden.....	17
Baur S Alfred.....	1	Lark Julius.....	11
Bassett & Washburn.....	9	Ley J John H.....	21
Bayerdorff H & Co.....	21	Lookland Lum Co.....	22
Bentley & Co.....	9	Long D B.....	11
Berger H H & Co.....	12	Lonsdale Edwln.....	20
Berning H G.....	10	Lord & Burnham Co.....	14
Binkunet Die.....	12	Lucas J & Co.....	24
Blano A & Co.....	12	Lynch W E.....	9
Bobbin & Atkins.....	18	McCarthy & Co N F.....	10
Boston Letter Co.....	21	McColgan & Co Jas.....	11
Brad & Noe.....	19	McFadden E C.....	12
Brown Peter.....	11	McKellar & Winterson.....	9
Brown & Canfield.....	17	MacBean A S.....	19
Budlong J A.....	9	Maier Paul.....	15
Bunyard H A.....	8	Monier John C & Co.....	11
Burpee W Albee & Co.....	11	Miles Isaac.....	10
Carmody J D.....	14	Millang & Co.....	11
Chadwick Chas.....	18	Millang Frank.....	11
Chicago Carnation Co.....	10	Model Plant Stake Co.....	22
Chicago House Wrecking Co.....	23	Muller's Gartner Zel.....	21
Cincinnati Cat Flo Co.....	10	lung.....	23
Clark Wm A & Son.....	14	Montana Fertilize Co.....	11
Cleary John P.....	17	Moon Samuel C.....	14
Clipper Lawn Mower Co.....	20	Moon Wm H.....	14
Cohen J M.....	10	Moore, Hentz & Nash.....	11
Collins Thos.....	10	Morris Floral Co.....	20
Conard & Jones Co.....	18	Moss Geo M.....	10
Conley John & Son.....	21	Muno John.....	19
Collage Gardens.....	1	Murphy Wm.....	18
Crabb & Hunter.....	15	Murray Hill Hotel.....	16
Craig Robt & Son.....	19	Myers & Co.....	24
Crouch Mrs J W.....	19	New York Hotel.....	16
Crowl Fern Co.....	8	Niessen Leo.....	10
Cunningham Jos H.....	15	N C Flower Ex.....	11
Corningham D O Glass Co.....	111	N Y Cat Flower Co.....	11
Deamud J B.....	9	Pederson Bjerggaard J.....	11
De Smet Freres.....	16	Pennock Sam'l S.....	10
Dessert A.....	12	Pierce F O Co.....	14
Detroit Flor Pot Wks.....	23	Pittsburg Cat Flo Co.....	8
Dexter Lillian Allen.....	8	Pollworth C C Co.....	8
Dickinson Co Albert.....	11	Prince A G & Co.....	9
Dietch A & Co.....	14	Quaker City M'oh Wks.....	11
Dillon J L.....	19	Randall A L.....	9
Dorner Fred & Sons Co.....	18	Raynor J I.....	11
Dreer H A.....	15	Reed Glass & Paint Co.....	14
Dunne & Co.....	11	Began Printing House.....	21
Eastern Chemical Co.....	21	Reinberg Geo.....	19
Elchholz Conrad.....	11	Reinberg Peter.....	19
Elchholz Henry.....	15	Reizer Walter & Co.....	1
Ernest W H.....	23	Rice M & Co.....	20
Ferguson John B.....	10	Rider-Ericsson Eng Co.....	23
Finley Lawn Rake Co.....	24	Rodgers Alex.....	11
Florida Nat Prod Co.....	21	Rolker A & Sons.....	11
Florists Exchange.....	21	Rose Milk Co.....	11
Ford Bros.....	11	Rupp John F Co.....	17
Foster Lucius H.....	19	Sander & Co.....	20
Gardners Chronicle.....	22	Schillo Adam.....	14
Gardeing Co The.....	12	Schmidt J C.....	17
Garland Geo M.....	11	Schweigert Chas.....	16
Gasser J M.....	19	Scotley John A.....	11
Geller & Grand.....	21	Sheridan W.....	11
Ghormley Wm.....	11	Sherech & Son.....	1
Gibbons H W.....	14	Situations & Wants.....	7
Gihlin & Co.....	111	Skabura Dip Co.....	21
Globe Greenhouses.....	19	Smith Nath & son.....	16
Gorton & Lidgerwood.....	23	Soltan C.....	11
Gullett & sons W H.....	18	South Side Floral Co.....	10
Gurber Wm H.....	11	Stahl Chas H.....	11
Gurney Heater Co.....	24	Stearns & Son.....	11
Hagenbruger Carl.....	14	Steffens Emil.....	21
Hall Ass'n.....	21	Stevens & Co.....	22
Hancock Geo & Son.....	18	Stoothoff H A & Co.....	11
Hansen Chris.....	19	Storrs & Harrison Co.....	14
Hancock Joseph.....	14	Sotherland Geo A.....	10
Heini Jos.....	19	Swahn Pottery Mfg Co.....	22
Heise J B.....	18	Tesson Robt F.....	20
Hennecke C Co.....	22	Thorburn J M & Co.....	12
Herendeen Mfg Co.....	14	Tobacco Warehousing and Trading Co.....	21
Herr Albert M.....	16	Traendly & Bohneck.....	11
Herrmann A.....	21	Vall Seed Co.....	21
Hews A H & Co.....	24	Van Aken Bros.....	14
Hilfinger Bros.....	23	Van Wert Greenhouses.....	14
Hill E G & Co.....	1	Vaughan's seed store.....	12 14 17 19
Hippard E.....	20	Vick's Sons Jas.....	11
Hitchings & Co.....	14	Vincent & Son.....	30
Hoffman E M & H N.....	18	Vredenburg & Co.....	12
Holtos & Humkel Co.....	8	Wabash R R.....	14
Hooker H M Co.....	111	Watson G C.....	14
Horan Edw C.....	11	Weathered's Sons.....	111
Hort Adv.....	22	Thos W.....	12
Hose Connection Co.....	21	Weber H & Sons.....	12
Howland Nursery Co.....	14	Weeber & Don.....	12
Hull & Co.....	22	Welland & Biesch.....	9
Hunt B H.....	9	Welch Bros.....	20
Invald Appliance Co.....	22	Whitliddn Pot Co.....	13
Jackson & Perkins Co.....	14	Whitton Samuel.....	15
Jackson E B.....	14	Wietor Bros.....	9
Jacobs S & sons.....	14	Wilson H E.....	19
Jennings E B.....	11	Witbold The Geo Co.....	1
Jennings Bros.....	23	Wood Bros.....	14
Johnson & Stokes.....	12	Woodruff & Barber.....	10
Joy & Son.....	10	Wrede H.....	11
Keating W F.....	10	Youmans Bros.....	16
Keller Bros.....	23	Young Joe.....	11
Keller Geo & Son.....	23	Young & Nugent.....	11
Kellorz Geo M.....	10	Young Thos Jr.....	11
Kennicut Bros Co.....	17	Zirngelbat D.....	11
Kift Jos & Son.....	20		



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

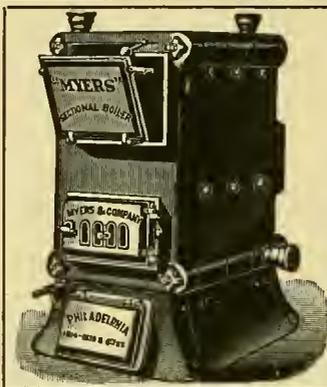
RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERRECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

Finley Rotary Lawn Rake.

Something New.



"PAPA! WE CAN RAKE YOUR LAWN."

THIS IS A CUT SHOWING THE FINLEY LAWN RAKE IN OPERATION

The mower and reaper succeeded the scythe; the thrasher succeeded the flail—but never until now has a machine been invented to take the place of the antiquated hand rake. This machine has arrived. This is it. YOU NEED IT.

A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves and small loose litter of any kind, stones included, that a HAND rake would not touch. A man can rake three times as fast as with a hand rake. A CHILD can run it.

Just the thing to fight crab grass. It will save its cost in 60 days on any good lawn.

Send for Particulars.

FINLEY LAWN RAKE CO.,

PRICE \$12 00. JOLIET, ILLINOIS.

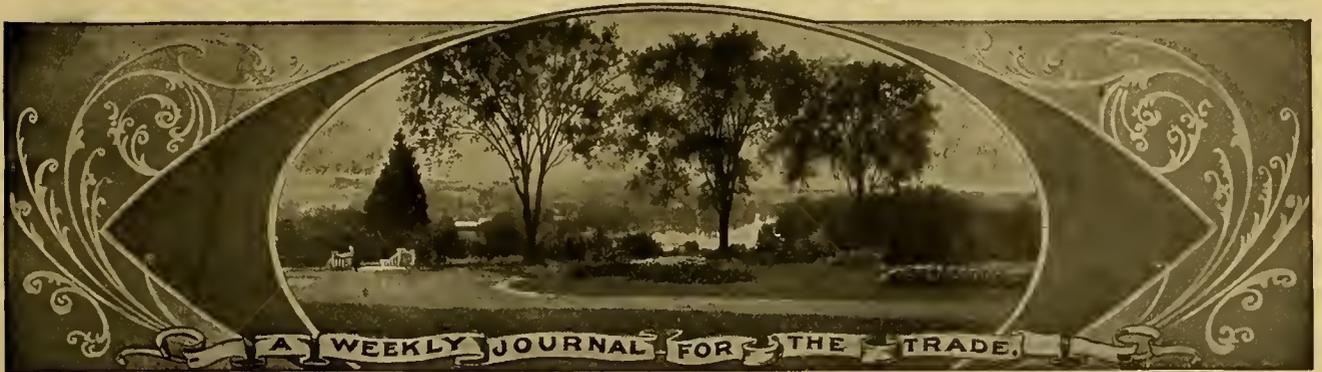
When writing mention American Florist.

KEY TO USES OF GLASS.

Send for it.

JOHN LUCAS & CO., Philadelphia.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, AUGUST 11, 1900.

No. 636.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; W. M. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August 21 to 24, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD HARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., secretary.

THIS ISSUE 32 PAGES WITH COVER.

CONTENTS.

A ramble in the convention city.....	25
The mall in Central Park, New York (illus.).....	27
The English sweet pea conference (illus.).....	28
Conventions at expositions.....	28
New York.....	30
Boston.....	30
Philadelphia.....	30
Chicago.....	31
Coal report of Chicago Florists' Club.....	31
Twenty-five cents on the dollar.....	32
Railroad fares for Canadians.....	32
Mr. Scott of Buffalo.....	32
Society of American Florists.....	32
Convention tips.....	32
The convention hall.....	32
Buffalo to New York.....	32
Chicago to New York.....	32
The seed trade.....	38
—Pepper's Prolific tomato.....	38
—An English selection of sweet peas.....	38
Cleveland.....	38
The nursery trade.....	40
—The climatic disease.....	40
Washington.....	40
Our pastimes—At Chicago.....	42
—At Boston.....	42
—At Detroit.....	42
—At Flatbush.....	42
—At Philadelphia.....	42
—At New York.....	42
—To the bowlers.....	42
A hint to conventionites.....	42
New York hotels.....	42
Child st. rage for bulbs.....	44
Water tank and boiler.....	46
Peoria.....	48
Buffalo.....	50

A Ramble in the Convention City.

The chief city of the western world in population, wealth and commerce opens for the second time her hospitable doors to our great national horticultural organization. Apart from the generous welcome extended by her citizens, the lavish entertainment provided by the local representatives of our profession and the favoring wave of prosperity which has come to the S. A. F., the vast metropolis presents irresistible allurements that are certain to draw to the convention of 1900 an unprecedented number of visitors. To see New York is a laudable ambition entertained by every American and, to those to whom her busy streets are familiar from frequent visits, she still presents exclusive charms, for, be the visitor a staid Philadelphian, cultured Bostonian, hustling Chicagoan or a "dyed in the wool" exponent of the peculiar claims for precedence of any other city on the continent, yet he is forced to acknowledge that there is, and always will be, but one New York.

New York was settled by the Dutch in the year 1614. The territory now included in New York state was known as New Netherlands, and the little town located with such wise foresight on the seaward end of Manhattan Island was given the name of New Amsterdam. But the English had their eye on this promising colony and the claim of the Dutch to its ownership was soon in dispute, with the result that Charles II made a grant of it to his brother, the Duke of York, and in 1654 sent a strong force against it. The Dutch, being unprepared for resistance, submitted as gracefully as possible under the circumstances—a course strongly contrasting with that being pursued by their countrymen in South Africa at the present time under a like stress—and the name was then changed to New York. Whether the Duke of York above referred to was the particular individual who is said to have marched his men "up to the top of the hill and marched them down again" is not clear, but the time came, a century later, when the English, who had so triumphantly climbed this western hill, were forced, in their turn, to march down again. To celebrate the Declaration of Independence the statue of George III was toppled over by the people, the metal of which it was wrought was melted into bullets for use on his majesty's subjects, and, although the name of New York was still allowed to stand, many of the local appellations of streets

and buildings were changed to accord better with the democratic tastes of the victors.

In its earlier days the town, now grown to a metropolis of 3,500,000 inhabitants, and exceeded in population by London alone among all the cities of the world, occupied only the southern extremity of Manhattan Island, at the union of the waters of the North or Hudson and East rivers, and it is in this "down town" district that the visitor will find most of the interesting historic spots of New York. The streets here are narrow, crooked and inconvenient, but full of excitement and interest, and, notwithstanding the wondrous growth of the city northward to the end of the island ten miles away and many miles beyond, yet this district remains still the center of commercial activity. A multitude of "sky-scrapers" look down from lofty heights upon ancient landmarks and the diminutive remnants of once-ambitious architecture, each of them harboring, during business hours, enough people to populate a goodly sized town.

At the extreme southern point, looking seaward, is the oldest park in the city, twenty-one acres in extent, known as the Battery. In former times the homes of the aristocratic inhabitants fringed this territory as they now do Fifth avenue and Central Park. In Battery Park is old Castle Garden, once the landing place in America for millions of foreigners, now an aquarium and well worth a visit. Looking out toward the ocean is seen Bedloe's Island, on which, rearing its great torch 300 feet above the water, is the gigantic statue of Liberty Enlightening the World; on the left is Castle William with the Borough of Brooklyn and Long Island shore beyond, and, on the right Staten Island and the New Jersey coast. A little distance north of the Battery is Bowling Green. Originally a treaty ground with the Indians, it was in 1732 laid out as a public square. It is now surrounded by exchanges, consulates and steamship offices and marks the beginning of Broadway, the great business artery of the American continent.

From this point Broadway takes its course northward past many spots of historic interest, lined on either side with lofty commercial buildings, its pavement a maze of moving vehicles of every description, its sidewalks trodden daily by men whose names are familiar in politics, commerce, finance and literature the world over. The cross streets westward lead to the water front of the North River, where are the piers of the ocean

sound steamers and Hudson river boats and the numerous ferries that convey the traveller to and from the many railroad terminals at Jersey City, Hoboken and Weehawken, and the piers of the great ocean steamship lines across on the Jersey side. On the east of Broadway the streets lead to the Brooklyn bridge and various boat landings on the East river, to ferries to Brooklyn, the Navy Yard and Long Island City, and Blackwell's Island, where are located the city penal and pauper institutions. Others eastward lead to labyrinths of crooked ways where one may easily get lost—not geographically only, but in the strange surroundings of whole sections populated exclusively by Hebrews, Germans, Italians or Chinese, where the English language is seldom heard and little is seen that is familiar to American eyes.

Broadway does not proceed far before its history is interwoven with that of the beginnings of the flower business. In his address to the S. A. F. at the time of its former visit to New York, John N. May referred to the time when, about the year 1840, Isaac Buchanan, one of the pioneer florists, carried his stock every day in a large basket and sold it at the corner of Broadway and Wall street and considered a business of \$2 or \$3 a good day's work. Directly opposite this corner on Broadway stands famous Trinity church, and a little farther along, at the corner of Vesey street, is old St. Paul's, surrounded by its quaint old burial ground, and within which is shown the pew once occupied by George Washington, with his initials inscribed thereon. This corner, too, figures in the early history of our business, according to N. P. Willis, who, in his romantic "Open Air Musings in the City," published in 1849, tells of watching from his window on Broadway, opposite St. Paul's, the flower merchants about 12 o'clock daily, setting their pots of roses and geraniums along the iron fence.

The flower business has changed in many respects since then and the florist who should open up shop at noon nowadays wouldn't last long. The lapse of time has not been able to obliterate the floral prominence of Vesey street, for at stated intervals Cleary's auction room is the Mecca of the plant buyers, and there are numerous curbstone stands in that vicinity where marvelous floral novelties are displayed for the especial benefit of the prudent customer who prefers to buy bargains at the street stands rather than be "robbed" by the wicked store florists! Here he has been buying for years, and, as there is "a new fool born every minute," will probably continue to buy for all time, the "Royal Japanese Parlor Flower, thirty-six hues and colors on one stem and blooms in twenty-one days," the "Singuillum Singuillium," the "Yellow Jacq," the blue dahlia and the "English Tuba Rugosa," which may be a currant bush that will bear flowers like a gloxinia or any other old thing to suit tastes that are fastidious. If you find time during convention week go down there and see the fun.

In this neighborhood are Cortlandt, Dey, Barclay and Chambers streets, frequented by seedsmen and florists, their mention recalling to readers of the advertising columns of the AMERICAN FLORIST such names as Thorburn, Kölker, Vaughan, Berger, Suzuki & Iida and Weeber & Don. At the junction of Park Row, on the east side of Broadway, is the postoffice, and just beyond is the City Hall Park, eight acres in extent,

where a few months ago the formal beginning of the excavation for the great rapid transit subway was made with appropriate ceremonies. Here are the City Hall and County Court House and adjoining is Printing House Square, where are located the offices of the big daily newspapers.

From the Battery to the convention hall is a distance of four miles. Three-quarters of this length up Broadway brings us to Twenty-third street, at the intersection of Fifth avenue, where the splendid Dewey Arch stands, and Madison Square, an open space of six acres just across which can be seen the towers of Madison Square Garden, where the New York Florists' Club held a number of successful exhibitions a few years ago. Here begins the famous "tenderloin" district, and here, too, may be said to commence the florist tradesection of the city, for, while a few fine establishments are below Twenty-third street, the great majority of the retailers and all the wholesalers are located above. What becomes of all the enormous product of the vast ranges of greenhouses that cluster all about the neighboring districts, in every New Jersey town, on Long Island, away up the Hudson river and along the shores of the Sound, is something beyond the comprehension even of those handling the flowers as they come to the city daily. In no other city in the world are so many greenhouse flowers marketed, the quantity passing through the hands of the wholesale dealers during the busy season being almost incredible, and the system governing the traffic has, with the rivalry of a score of dealers and the alertness and scrutiny of hundreds of enterprising growers, been ground down to a very fine edge.

August, the convention month, is not a favorable time to see any business going on at these wholesale marts, but the visitors will make no mistake in calling, and those who do so will find that nobody understands better the science of making a brother florist feel at home than does the typical New York wholesaler. On Twenty-third street, near Sixth avenue, is the salesroom of the New York Cut Flower Company, and at the same location are Moore, Hentz & Nash. The rest of the wholesale establishments are on West Twenty-eighth, Twenty-ninth and Thirtieth streets, mainly in the blocks between Sixth avenue and Broadway. On Twenty-eighth street are Sheridan, Thos. Young, Jr., Horan, Kaynor, John Young, Ghormley, Bradshaw, J. K. Allen, Young & Nugent, Bunyard and Traendly & Schenck, also Geller's supply house. On Twenty-ninth street are Millang, Hart, Gunther and others. Among those on Thirtieth street are Lang and Ford Bros. and Dunne & Co.'s supply house. Also worthy of a call is the Exchange at East Thirty-fourth street, near the ferry to Long Island City. Frank Millang does business here, and overhead is Herrmann's supply establishment. A visitor in New York, even having but one day to spend in the city, would do well to begin the day at Thirty-fourth street market. Here he will see troops of men, women, boys and girls, all nationalities, bartering, bantering, joking, scolding and pushing with Bohemian freedom, some on urgent business, and others there only because it has become a habit with them. To see it, however, one must get there by 6 a. m., for by 8 a. m. it is all over for the day.

The American Florist Company's

Directory enumerates 230 florists in New York city proper. Adding 375 in Brooklyn, Long Island City and other annexed territory gives a total of over 600. In the city stores all classes are found, from the palatial Broadway or Fifth avenue establishment down through successive gradations to the little "hole-in-the-wall" stand. As with the wholesalers, so with the retailers, little is going on in August and little effort is made at decorative effect or display of nice stock, it being deemed sufficient to keep the place clean and cool and something green in the windows. Of street peddlers there are many hundreds, mostly Greeks. Just at present fruit peddling or sumptuous idleness is the pursuit of the majority of them. The Greek as a flower hawker is essentially a New York institution. His first appearance as a participant in the florist trade was looked upon with uneasy jealousy by the existing retailers, but long association has bred indifference and now he has access to the same markets and the same material as the most aristocratic retailer and actually consumes, in the aggregate, such a large proportion of the gross cut of flowers that no review of New York market conditions is complete without taking him into consideration. He evidently has the support of the masses, otherwise he could not dispose of the vast quantity of stock he buys. With the retailer he has come to be regarded as one of the evils that cannot be cured—hence must be endured. To the wholesaler he is at certain seasons a godsend—at other times an intolerable nuisance. To the grower he is an inspiration, and many a thousand feet of glass in the vicinity of New York is directly due to his existence and the confidence that he is capable of assimilating a surplus of any dimensions. Whether the business at large would have been better off without him, whether different methods on the part of the retailer might not have solved the surplus problem and made the street fakir superfluous—these are pertinent questions, but their consideration does not belong to this article. Grower or retailer, take a look at the Greek when you are in town; consider his ways and think whether you would like to transplant some of him to your own hailwick.

Greater New York has nearly 7,000 acres of parks. Of the many scattered reservations of varying area which are included in this total, Pelham Bay Park contains 1,756 acres, Van Cortlandt Park 1,132 acres and Bronx Park 662 acres. These are all located in the recently annexed Borough of the Bronx. In Bronx Park, in a space reserved for the New York Zoological Society, is a splendid collection of animals on exhibition and in another section are the grounds and just completed greenhouses of the New York Botanical Garden which, no doubt, will be visited by most of the S. A. F. tourists. In Van Cortlandt Park are fine links which are patronized by the golf enthusiasts of the city. Pelham Park has a water frontage of seven miles on Long Island Sound and Pelham Bay.

Best known of New York's pleasure grounds is Central Park. It contains 862 acres—thirty years ago a waste of swamps, ledges and rubbish heaps, now a paradise of beautiful drives, lakes and forests, a world-famous triumph of the landscape gardener's art, extending from Fifty-ninth street to One Hundred and Tenth street, a distance of two and one half miles, with a width of over half a mile. There are nine miles of roads, six



THE MALL IN CENTRAL PARK, NEW YORK.

miles of bridle paths and thirty miles of walks, and within its borders have been planted over half a million trees and shrubs. Here are located the American Museum of Natural History, the Metropolitan Museum of Art and a fine menagerie. That most interesting relic of antiquity, Cleopatra's Needle, may also be seen in Central Park. This obelisk, which was presented to the city in 1877 by the khedive of Egypt, is of granite, seventy feet high and weighs 200 tons. It is covered with hieroglyphics which, however, are being rapidly obliterated under the disintegrating influence of the rigorous climate. Its age is given as 3,500 years, it having been made during the time when the Israelites were enslaved in Egypt.

Prospect Park in the Borough of Brooklyn has an area of 526 acres and is accounted one of the finest examples of landscape gardening in this country. It is an ideal resort for the people of a great city, combining utility and beauty in the highest degree. In its plantations are many specimens of native and foreign trees.

Riverside Park extends a distance of three miles, from West Seventy-second street to West One Hundred and Thirtieth street, along a high bluff overlooking the beautiful Hudson river. Here is the tomb of General Grant, and from the broad driveway which runs the entire length of the park a grand view of the palisades on the Jersey shore is afforded. Scattered throughout the city are a great number of smaller parks and squares, and more are contemplated, especially in the overcrowded sections of

the city, where a bit of greensward and trees is of inestimable comfort to the children of the poor.

New York in summer provides endless entertainment for those who from necessity or on pleasure bent, tarry within her gates. Trolley cars, ferry boats, elevated railroads and excursion steamers all are available by day or night to reach pleasure resorts of every description. Coney Island, Brighton Beach, Manhattan Beach, Far Rockaway, Long Beach, Glen Island, Long Branch and many other less noted seaside resorts are within easy and comfortable access, and in the heart of the city are theatres, roof gardens and concert halls in abundance. It is to be hoped, however, that these and numberless other attractions of the great city will be omitted from the itinerary of the S. A. F. visitors until after the sessions of the convention are concluded and then the enjoyment of them will be all the greater because of the consciousness of duty well done.

No visitor to New York should go away without taking a good look at Fifth avenue. Stage coaches run continuously from its beginning at Washington Square as far as Eighty-ninth street, and the top of one of those omnibuses is an excellent observation place. In the summer we shall miss the thousands of pleasure equipages the throngs of fashionably attired people, the beauty and life which Fifth avenue presents at other seasons, the equal of which can be seen nowhere else in America, but there are the fine clubhouses, magnificent churches and hotels and the palatial homes of multi-millionaires, merchant princes and

noted families, fringing the avenue all along and presenting a wonderful panorama.

We would like to take our readers out into the surrounding country and introduce them to some of the big establishments from whence come the enormous supplies of flowers and plants and other material for the New York wholesale markets, and to their owners, many of whom are, indeed, already long and favorably known to the thousands who consult the reading and advertising pages of the AMERICAN FLORIST, to the great rose growing districts of Madison, Summit and Chatham, whose shipments daily amount to hundreds of boxes of roses; to Hoboken, New Durham and Rutherford, where may be seen acres of glass devoted to palms, roses, chrysanthemums, carnations and lilies; to Jersey City, Newark and the Oranges, where floriculture has planted its roots deeply and thrives on every side; to fertile Flatbush, long the home of a coterie of florists as hospitable as they are skillful and prosperous; to Bayside and Flushing, long famed in rose and carnation lore, and neighboring Queens with its acres of geraniums, cannas and carnations; to College Point and White-stone, the heath growers' paradise; to Long Island City, Woodside, Elmhurst, Babylon and scores of other Long Island points where greenhouses meet us at every turn; to New Rochelle, known everywhere, and away up the Hudson river to the famed violet growing districts of Poughkeepsie, Highland and Rhinebeck. Interesting, indeed, would it all be and the time devoted to such a tour of inspection would prove

not only interesting but vastly profitable. Those who can possibly prolong their stay a few days beyond the convention time will find in this great community of prosperous florists a cordial welcome and the useful information acquired will be not the least of the many benefits gained through attending the memorable convention of 1900.

At the corner of Twenty-seventh street and Broadway, in Elks Hall, is the headquarters of the New York Florists' Club. The beneficent influences of a horticultural society which are enjoyed in her sister cities are lacking in New York, although the love and appreciation of horticulture is no less here than elsewhere, as is evidenced in her fine public parks and cemeteries and the countless beautiful private estates that adorn the suburban districts and in the lavish patronage bestowed upon her florists of every grade. The peculiar topography of greater New York is not favorable to concentration of sympathy or effort and is a formidable barrier to frequent meetings and effectual co-operation. Realizing the refractory conditions that have ever confronted the New York Florists' Club we are in a better position to fully appreciate the fidelity of purpose and self-sacrificing effort that have been freely drawn upon to bring about the harmony and system shown in every little detail of the preparations for this great event in New York's floricultural history. From localities remote, reaching the club room only at much inconvenience, regardless of storm or heat, these men, the names of many of whom are well known from the Atlantic to the Pacific and far beyond have come together and labored with but one end in view. Old misunderstandings have been forgotten, disturbers who have sought to excite jealousies between private and commercial men have been brushed aside and so they have stood together, shoulder to shoulder—many men in a manly effort for the honor of New York and the pleasure of their brother florists and gardeners from all over the country. If the convention is not the grandest horticultural event of the century in America, if the exhibition is not in every way unprecedentedly great, if every detail of the occasion does not go like clockwork and if every visitor to New York does not have the most enjoyable time in his or her life it will not be the fault of our friends and hosts, the officers and committees of the New York Florists' Club.

The English Sweet Pea Conference.

The promoters of the sweet pea show and conference at London, July 20 and 21, commemorating the two-hundredth anniversary of the introduction of the sweet pea into England, have every reason to be satisfied with the fruits of their labors. It was unfortunate that the weather should have been so excessively hot for the week previous to and during the show. Nevertheless, sweet peas of better quality were never seen or in anything like such quantities. There were nearly 700 entries, and these did not include the large trade exhibits, which were, perhaps, the most important feature of the show, the large number of varieties included in these affording useful material for the classification committee. The exhibits of decorations and designs made of sweet peas suffered considerably from the excessive heat, although everything possible was done to keep up moisture, and many of the light designs were hopelessly withered

before the judging was done. This occurred more particularly in the light, airy arrangement known as shower bouquets, thus showing conclusively that sweet peas are not adapted for this kind of work. In the more solid arrangements the flowers kept better, and some of the funeral arrangements were very good. A broken column, an erect cross with a good base, a book, a harp, and others, being well done. In some of the baskets and vases the flowers stood up well. The light arrangements for dinner tables were very pretty when first done, but the second day they were entirely withered up.

The committee on classification met on Saturday morning, but was unable to complete its report. The gentlemen found much difficulty from the fact that some varieties were too much withered to serve their purpose. It was arranged to divide them up into groups, but it was rather difficult to come to a definite arrangement of colors. After some discussion it was decided to divide them as follows: White, blush, pink, rose, mauve, blue, purple, lavender, carmine, maroon, crimson, yellow or buff, picotee edged, white ground fancies, yellow or buff ground fancies, red or rose flakes, purple or maroon flakes, crimson flakes, red or rose bicolors and salmon or orange selfs.

It will be seen from the following list of awards made for distinct types and colors how difficult it is to decide which are actually the best, for in several instances the prizes went to three different varieties where there were several exhibitors staging the same variety as the one taking first prize. In the classes referred to the awards were as follows:

In the class for one bunch of any dark variety, maroon, deep bronze or purple, first place was given to Black Knight, second to Stanley, third to Boreatton and fourth to Shahzada.

In the class for pink varieties first place was given to Lovely, second to Katherine Tracey, third to Lovely.

In the class for any pink variety first place was given to Lord Kenyon, second to Mrs. Dugdale, third to Royal Rose and fourth to Oriental. It will be seen that the varieties shown in this class differ considerably in shades of color.

In class sixteen first went to Salopian, second to Mars and third to Firefly, but in most collections Mars was certainly the finest of the above named.

In the class for erect standard varieties first went to Mrs. Dugdale, second and third to Triumph, but ordinarily Triumph is the finest type of this class.

In the class for hooded standards first went to the Countess of Lathom, second to F. A. Hinton and third to Lady Grisel Hamilton, but the last named the committee selected as the best type of a hooded variety.

In the class for deep blue or violet first place was awarded to Duke of Westminster, second to Black Knight and third to Navy Blue.

In the class for yellow or primrose varieties first was given to Queen Victoria and second and third to Mrs. Eckford.

In the class for pale blue, mauve or lavender sorts first was given to Lady Grisel Hamilton and second and third also went to that variety.

In the class for white varieties all three prizes went to Sadie Burpee.

In the class for blush or flesh-color first went to Venus and second to Mrs. Fitzgerald.

In the class for dark striped or flaked sorts first went to America and second to Princess of Wales.

In the class for light striped or flaked varieties first was given to Pink Friar and second to Princess of Wales.

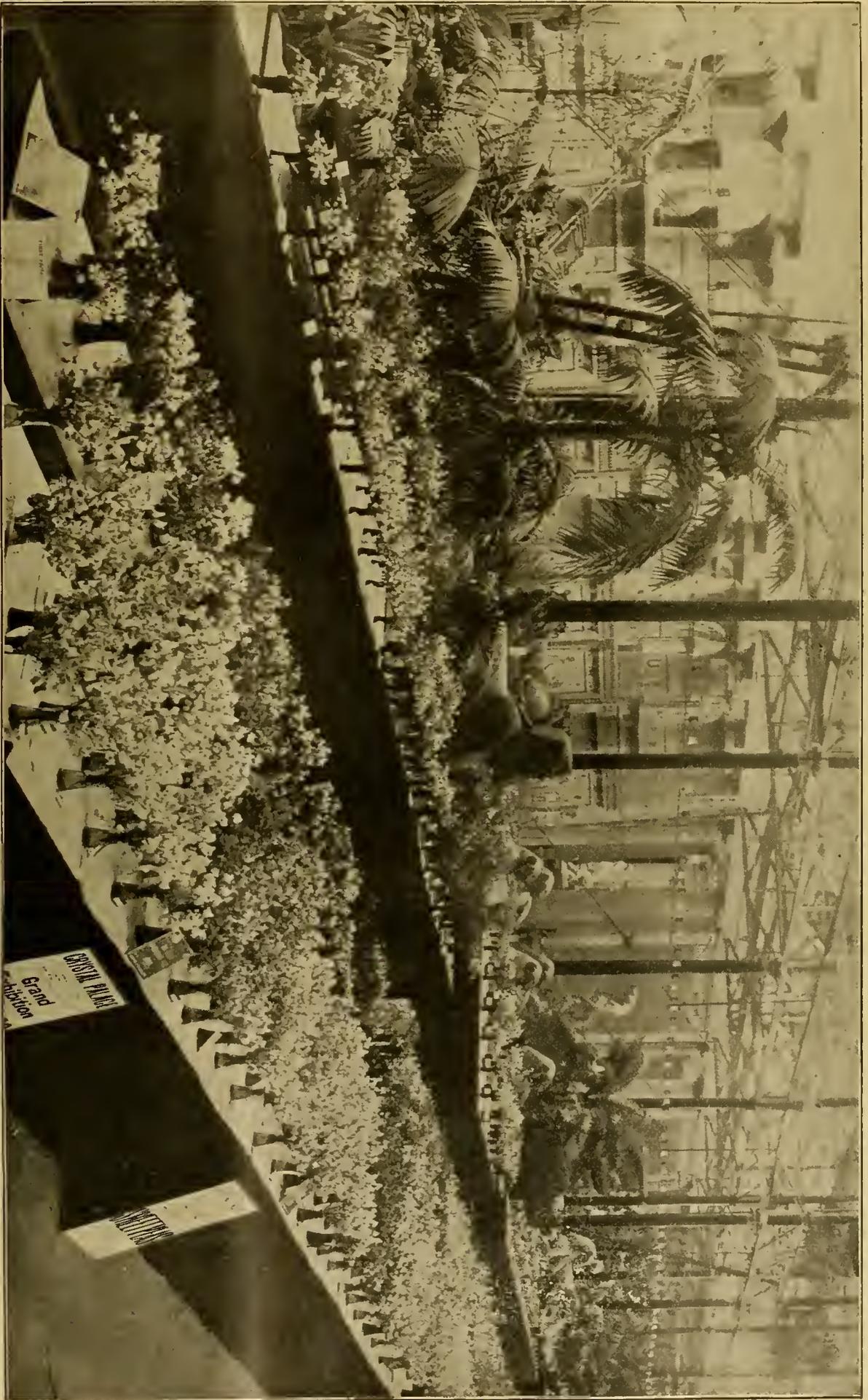
By the awards in the last two classes it will be seen how difficult it will be to divide the various types. I think the objects of the committee would have been better realized if the flesh to deep red shades, and mauve to purple colors had been classed together. Or it would have been better still if the judges had selected the best examples of the various types from the large collections, and in addition to the prize for the general collection given a separate prize for the best example of each specified type. It will be sufficient to say of the collections that in all classes there were a number of competitors, and in many very fine blooms were seen, but no varieties distinct from those noted in the trade exhibits. Although there were several entries for Burpee's Bush and Cupid varieties there was only one exhibitor who came forward, and the plants staged were hardly commendable.

In the class for American varieties the first prize collection included some good examples of Sadie Burpee, Anrora, Navy Blue, Boreatton and others. Of the trade exhibits five were considered worthy of gold medals. They were those of Messrs Hurst & Sons, who staged a very large collection of cut blooms, including all the standard varieties; H. J. Jones, whose group consisted of a large number of varieties grown in pots, and about 100 distinct varieties of cut blooms; Eckford & Sons, the chief feature of whose large collection of cut blooms were such new varieties as Jeannie Gordon, Miss Wilcott, Honorable Mrs. E. Kenyon and Coccinea; Dobbie & Co., whose collection consisted of a large number of varieties, all of superb quality, Mrs. Joseph Chamberlain, Oriental and Triumph being very conspicuous; and Cannell & Sons, who had a large collection of cut blooms and some plants in pots, of the latter the Cupids being very good, and of the cut blooms Lottie Hutchins, Aurora, Blushing Beauty, Celestial and Othello were very fine. H.

Conventions at Expositions.

I am inclined to the opinion that the holding of the S. A. F. convention in an exposition city will result to the benefit of the society, secure a larger attendance, incite more interest and be productive of more general good than if the meeting were held in another locality. The degree of success with which any educational convention meets is, in a measure, indicated by the size of its membership list. If the S. A. F. meets in Buffalo in 1901, a large attendance is at once assured, and there are large numbers of florists all over the country who have never attended an S. A. F. meeting and who, if once in attendance, and seeing the great advantages such an organization offers to its members, may become permanent members. These would attend at Buffalo simply because they could, while at the exposition, at the same time take in the convention. Again, if the meeting is held elsewhere, it will fall below its usual attendance because many of the members will go to the exposition and can afford only one trip that summer. The meetings should not suffer, as a programme should be gotten up, so attractive, so entertaining as to command a full attendance. Would it not be policy for Chicago to withdraw her claim for 1901 under promise that she can have the convention in 1902?

GEO F. CRABB.



EXHIBITION AT THE CRYSTAL PALACE, LONDON, ENGLAND, IN CONNECTION WITH SWEET PEA CELEBRATION.—After the Journal of Horticulture.

New York.

STATE OF THE MARKET.—SUPPLY BOTH LIGHT AND OF INFERIOR QUALITY.—DEMAND FOR BEAUTIES AND FUNERAL FLOWERS.—LAST DETAILS OF CONVENTION PREPARATIONS.

Flower receipts in this market are very light, which is very fortunate for everybody interested, as there is no demand worthy of the name, and the quality of whatever rose stock comes in is of the lowest grade. Growers are beginning to cut from the new plants, and so the most of the material is short-stemmed and the warm weather has the buds fully blown out before they reach the city. The ash barrel fills up rapidly these days, in consequence, as the Greeks have practically abandoned the local flower market for the present and are doing business at Coney Island in any line that seems remunerative. American Beauties would sell well if available in good quality, but it is not possible to find many such. Even the Brooklyn hustlers, who manage to stir up some trade, as a rule, when nobody else can find it, are playing to very slow music just now. At the retail stores, and some wholesalers', house-cleaning is in order, so that everything shall look its best when the S. A. F. visitors are in town. Asters are abundant. Lily of the valley, owing to recent extra funeral work, is selling better this week.

On next Monday, August 13, will be held the last regular meeting of the Florists' Club previous to the convention. Final details of all preparations will be adjusted and it is very important that every member of the club be present on this occasion.

Manager Cleary reports a heavy demand for space in the trade exposition during the past week, over 10,000 feet of floor space having already been assigned.

Visitors in town: D. D. L. Farson and Walter Mott, Philadelphia.

Boston.

ASSURANCES OF A LARGE CONVENTION REPRESENTATION.—MEMBERS WILL TRAVEL BY VARIOUS ROUTES.—ANOTHER GOOD SATURDAY EXHIBITION.—TRADE VERY QUIET.—THE HORTICULTURAL SOCIETY APPOINTS VARIOUS COMMITTEES.—BEGONIAS AND FERNS IN DEMAND.

It is now assured that the attendance at New York from this section will be very large. Inquiry among those who are intending to go discloses a considerable variety of preferences as to route, and there being no less than nine different boat and all-rail routes it is probable that the parties will be pretty well distributed, according to convenience or fancy. The fare from Boston, all-rail, is \$5 going and \$1.67 returning; on all boat lines, excepting the "cut-rate" line from Providence, it is \$4 going and \$1.33 returning for all passengers who get a certificate from the ticket agent at the time they purchase going ticket. Those intending to go via boat are advised to engage their staterooms immediately. Out of town members who wish may engage accommodations through their local ticket agent by purchasing a through ticket, or Secretary W. J. Stewart will be glad to attend to any commission of this kind at any Boston railroad office on request of any member of the society, the latter specifying the route preferred.

There was another showy display of garden flowers at Horticultural Hall on Saturday, August 4. The hall was com-

fortably filled with exhibits. It was prize day for annuals and the premiums went to Mrs. J. L. Gardner, Mrs. E. M. Gill and E. C. Lewis. Fine collections of herbaceous plants, lilies, sweet peas, etc., were made by Blue Hill Nursery, Rea Bros., W. J. Clemens and E. A. Weeks. H. A. Clinkaberry was given a certificate of merit for *Cypripedium Clinkaberry-anum* (*Curtisii* × *Philippinensis*). Hot house grapes from Miss E. J. Clark, John Ash gardener, were superb.

At the meeting of the Massachusetts Horticultural Society, on August 4, a committee on revision of constitution and by-laws was appointed consisting of Hon. F. H. Appleton, W. J. Stewart, Prof. C. S. Sargent, Augustus P. Loring and Dr. H. P. Wolcott. A nominating committee for officers for the ensuing year was also appointed as follows: W. C. Bayliss, C. G. Jenks, C. W. Parker, Arthur Hunnewell, C. Minot Weld and W. H. Eustis. W. C. Strong, C. B. Travis and J. H. Woodford were appointed to prepare resolutions on the death of C. H. B. Breck.

Thos. Roland has proved himself a veritable wizard at growing *Begonia Gloire de Lorraine*. He has one house in which are many thousands of young plants, but they are nearly all ordered in advance and the demand for this beautiful winter plant seems insatiable. There is no empty or unproductive space at this thrifty Nahant establishment. Every house is made to do full time. First a crop of candytuft, then tomatoes and afterwards violets is the programme for one house this year.

A cruise through the retail florists' stores of the city discloses little doing except an occasional funeral piece, which all are glad to make for any price they can get. At the wholesalers it is likewise very dull, but the receipts are quite light and the burden of carrying the stock is consequently lessened. Country buyers are seen occasionally and they are exceedingly welcome.

L. H. Foster reports himself about 50,000 behind on orders for Boston fern and is building three large houses so as catch up. It pays to grow "the true variety."

Albert Bloom, one of the Welch Bros. hustling clerks, is blooming in the rural surroundings of New Hampshire and Maine for two weeks.

Welch Bros. are having their establishment repainted and renovated throughout.

W. W. Edgar is building a 150-foot addition to his big palm house.

Philadelphia.

HEAT TAKES THE LIFE OUT OF TRADE.—MONTHLY MEETING OF THE CLUB.—EXCELLENT PAPER ON COOL ROOMS FOR FLORISTS.—RESOLUTIONS OF SYMPATHY.—JOHN WALKER GETS A SILVER WATER SERVICE.—SPEECHES AND SONGS.—A NEW DEPARTURE.—BUYER FOR THE TRADE.

It is red hot with us again and shirt waist men are again seen upon the streets. Things are quiet. Stock is of about the same quality as last week, but a little more plentiful; prices are about the same.

The August meeting of the Florists' Club was held last Tuesday evening and, considering the weather, was quite well attended. The essay committee were bright in this selection of a subject, "Modern Cooling Rooms for Florists' Use." It seemed that after Mr. Geiger, the essayist, had his various plans posted

up, the temperature of the room fell several degrees and when he began to read his paper it became quite cool. The essay, which, with the sketches, will appear in next week's issue, is a most valuable one and should be interesting to all large growers and dealers in cut flowers. The most modern ideas are described in such a way that even he who runs may read and understand. Mr. Geiger's paper, like everything else he does, was well prepared and finished and gives a very clear idea of the various systems in vogue. In the ensuing discussion it was said that to prevent the wilting of flowers sometimes noticed in the bottom of the ice box or cool room, it is well to have shallow pans of water there, which keep more moisture in the atmosphere. Mr. Geiger mentioned an interesting fact, saying that when the box at the Floral Exchange nurseries at Edgely fell below the freezing point, as it did in the extreme cold weather once or twice last winter, they placed a lot of ice in the bunker, when the temperature at once rose several degrees. He said he was unable to account for this phenomenon. At the conclusion of the discussion Mr. Geiger was voted the thanks of the club for his very excellent paper.

The following resolution was adopted by a standing vote:

Resolved, That the secretary be instructed to send a letter to Mr. Lonsdale expressing the feeling of heartfelt sympathy which animates every member of the club in the sad bereavement which he has sustained in the loss of his two daughters. The circumstances attending this sad affair were so particularly distressing, the young ladies were so often with us in our hours of relaxation at the club, that all feel a deep sense of personal loss, as if the stroke had fallen on their own family circle, and feel that a double measure of their tender regard and sympathy is due and is hereby extended to Mr. Lonsdale and his sorrowing family.

On Saturday last John Walker, who has recently purchased the Hippard place at Youngstown, Ohio, and who will take possession of the same about the first of September, was given a testimonial by his fellow employes of Robert Craig & Son, where he has held the position of foreman for so many years. All the employes, some forty-five in number, were gathered in the large potting shed, where, in a speech well suited to the occasion, Mr. Cavanaugh presented him with a magnificent silver water pitcher and cups, the whole mounted on a silver stand. Mr. Walker received the present with heartfelt thanks. Mr. Pearce, who goes with Mr. Walker, was also the recipient of a fine pipe and a very large box of tobacco. There was an abundance of refreshments, which were enjoyed by all present. Addresses were made by Mr. Craig, who also sang several songs, and W. B. Smith, an ex-mayor of the city, who was very humorous. Other speeches and songs enlivened the next two hours, and the party dispersed after many wishes to Mr. Walker and his good wife for success in their new home.

W. E. McKissick, Jr., for the past seven years with S. S. Pennock, has announced himself as "buyer for the trade." This does not necessarily imply that he has started a purchasing agency for cut flowers, as previously reported in one of the trade papers, but that during the coming season he will be the representative in this market of several large out-

of-town firms. He will purchase stock, inspect packing, etc., and look out for their entire interests in this city and its suburbs. At the present time he is located on a small scale at 40 N. Seventh street, but rumor says that he will open an office in the heart of the commission district ere many moons, where he will be thoroughly equipped with telegraph and long distance telephone connections and all paraphernalia necessary in giving his patrons the best service in every particular.

The club, or as many of them as can, will go to New York on a special train leaving Broad Street Station at 4:02 Monday afternoon, August 20. The cars will be especially decorated. All delegates coming by way of this city are requested to arrive as early in the day as possible and partake of the hospitality of the Philadelphia club and join them on their special train for the balance of the way. K.

Chicago.

HIGH TEMPERATURES PLAY HAVOC WITH THE FLORIST BUSINESS.—HEAT TOO INTENSE FOR LABOR IN THE GREENHOUSES.—STOCK DETERIORATES AS TRADE FALLS OFF.—ORCHIDS COMING FROM ENGLAND.—ACTIVITY AT WIETOR'S.—VARIOUS NOTES.

Nine persons died of the heat in Chicago on Monday, six on Tuesday, and the torridity has not yet appreciably abated. Need anything further be said of trade conditions? The temperature of the greenhouses has stood at fever heat for almost a week and it has been a physical impossibility for the growers to work as usual. Stock which was beginning to show material improvement has retrograded fearfully and, moreover, the heat is forcing the buds out at a rate uncalled for by the existing demand. There were many good roses last week but Kaiserin is about the only thing which is not overcome by the heat. The condition is particularly unfortunate because of the crop of short Beauties which is just now making its appearance. Nearly all the Beauty growers are now getting a cut from young plants and the market is overloaded with short material, which will neither sell nor keep. Medium length Beauties are not so plentiful and move more freely but there is no demand for the few three-foot buds which are coming in. The cut of carnations from plants in the field is increasing and some very fair stock is coming in, as most of the local growers have had good luck with their fields this season. There are still the usual quantities of asters, gladioli and other garden flowers, and they move slowly. However, it is generally predicted that a few days of cool weather will live things up again.

H. S. Skjoldager, gardener for E. G. Uihlein, and his family are expected home in a few days from Denmark, where they attended the golden wedding of Mr. Skjoldager's parents, who are enjoying perfect health. Enroute home Mr. Skjoldager visited Sander & Co., at St. Albans, England, for the purpose of securing some rare orchids to add to Mr. Uihlein's collection.

Learning that a number of florists have misinterpreted a circular issued by a certain railroad, the Chicago Florists' Club's transportation committee wishes it stated that by whatever railroad a florist travels to New York he must leave New York on or before August 28 in order to secure the reduced rate returning.

At Wietor Brothers' they are hustling upon their big range of new houses and planting them with carnations as fast as ready. Their plants in the field have made strong growth and they are anxious to get them housed. The buildings are nearly completed.

Otto Wittbold will be one of the Chicago party at the New York convention and George Wittbold, the venerable head of the firm, whom everybody likes, is talking of surprising his friends by participating in the excursion.

George Reinberg is sending in a big cut of roses, from 8,000 to 10,000 a day, and during reasonable weather the qualities are excellent. He has three houses of old Beauties which were given a rest and transplanted and which are now giving splendid results.

Those who intend to join the Chicago party for the S. A. F. convention should, at the earliest possible moment consult Mr. Vosburgh, of the L. S. & M. S. Railway, 180 Clark street, with regard to transportation and berths.

W. E. Lynch is busy repainting the interior of his establishment and means to have his place in the best possible shape for a large trade next season.

George Reinberg was one of the reception committee appointed to attend William Jennings Bryan during his visit to Chicago on Tuesday.

Walter Retzer has been at Powers Lake, Wis., for rest and recuperation, his health not having been up to grade in the last few weeks.

E. Wienhoeber will be one of the convention party and, as usual, one meeting Wienhoeber will find Emil Buettner not far distant.

At A. L. Randall's there are still some very fair roses in spite of the heat, coming in from Bowmanville growers.

There is a fine display of gladioli at Vaughan's Seed Store, from the firm's grounds at Western Springs, Ill.

George F. Crabb and Henry Smith, of Grand Rapids, will accompany the Chicago party to the convention.

W. J. Smyth and Mrs. Smyth are enroute down the St. Lawrence to New York for the convention.

Weiland & Risch, not to be outdone by anyone, are busy redecorating their store.

Among last week's visitors was Mrs. W. T. Hempstead, of Bloomington, Ill.

Visitors: H. V. Hunkel, of Milwaukee, Wis.; W. A. Reiman, of Vincennes, Ind.; F. J. King, Ottawa, Ill.

Coal Report of Chicago Florists' Club.

The committee on purchase of coal has been offered by firms which they believe to be reliable, the following prices:

Strictly Lower-vein Brazil Block, for the season ending April 1, 1901, \$2.45.

Hocking Valley Coal, for the season ending April 1, 1901: Domestic Lump, \$2.80; Steam Lump, \$2.70; Mine Run, \$2.65; Steam Nut, \$2.30.

Central Illinois Coal, mined on Illinois Central R. R., a very good grade: Domestic Lump, immediate delivery, \$1.90, season contract, \$2.00; Steam Lump, immediate delivery, \$1.80, season contract, \$1.90; Egg Coal, immediate delivery, \$2.00, season contract, \$2.10; Nut Coal, immediate delivery, \$1.70, season contract, \$1.80.

On the above Illinois coals \$3 switching charges per car can be paid by the shipper at the above prices.

Streator Lump, present price at Chicago, \$2.00, at mines, \$1.80; cannot make season contract.

Wilmington & Spring Valley, present price at mines: Standard Lump, \$2.15; Chunk, \$2.25.

No season contract can be made on Wilmington coal but special prices can be made for season contracts on Spring Valley coal.

Pocahontas Coal, (smokeless), Mine Run, for present delivery, \$3.35. Season contract cannot be made, but it is not probable that prices will go higher.

New River (smokeless), Mine Run, present delivery, \$3.25. Cannot contract for season.

Thacker Splint, West Virginia, Steam Lump, for season ending April 1, 1901, \$3.05.

Henriette Smokeless, run of mine, season ending April 1, 1901, \$3.50.

The above prices are based on delivery on the cars at Chicago. Some florists may be so located that a reduction can be obtained by saving on freight charges. In other cases the conditions may be such as to increase the prices somewhat. In case the railroads lower the freight rates from mines, these prices will be lowered to correspond, but no increase will be made on the prices given on season contract. Any florist or market gardener who is interested will be placed in communication with the persons making these offers on application to W. N. Rudd, Room 1002, 185 Dearborn street, Chicago.

I feel warranted in recommending that florists using less than 1,000 tons should buy the Lower-vein Brazil Block unless freight rates and shipping charges should strongly favor some other coal. Much of the so-called Lower-vein Brazil Block in the market is mixed with Upper-vein, which is a cheaper coal. We are assured of being furnished with genuine article at the above price. Of course, those employing expert firemen day and night may be able to use the cheaper coals profitably.

Having no authority to contract or buy, the committee has been unable to deal direct with the mines, and undoubtedly has not obtained as low prices as it could have done could it have assumed the purchase of even 15,000 of the 25,000 tons listed with it. It is hoped that a beginning may be made this year and that all will buy through the committee who can, as the purchase of a large quantity this year will make it easier next year to obtain concessions.

Respectfully submitted,
W. N. RUDD, Chairman.

OSWEGO, N. Y.—D. A. Northrop has sold his establishment to Patrick Campbell, of New York.

LENOX, MASS.—Mrs. John O'Brien died on Sunday, July 29, after a short illness. Besides her husband she leaves several children.

BARNARD CROSSING, N. Y.—Ruestow & Wendt have purchased the business of the late Frank S. Payne and will conduct it along the same general lines.

JAMESTOWN, N. Y.—John H. Meyers, of New Brighton, Pa., was a recent visitor at the Lake View Rose Garden, investing largely in palms, ferns and other plants.

MINNEAPOLIS, MINN.—C. A. Smith has sold his real estate, greenhouses and stock to L. S. Donaldson, proprietor of one of the largest department stores in the northwest. Mr. Donaldson's floral department has been a large buyer in the local and metropolitan markets and it is understood that he will improve and enlarge the Smith place and grow much of his supply hereafter.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

SECURE your railroad berths and
hotels for that New York trip.

ALL convention visitors are requested
to add the letters "S. A. F." after their
names on the hotel registers.

THE annual convention of the Cana-
dian Horticultural Association will be
held at Montreal next week, August 16
and 17. For programme see our issue of
July 14, page 1506.

Twenty-five Cents on the Dollar.

The failure of W. A. McFadden, of
Rosebank, Cincinnati, has been con-
sidered at two meetings of the creditors
and apparently a settlement may be made
on the basis of 25 cents on the dollar.

Events like this suggest more and
more that the tradesman paying
regularly 100 cents on the dollar should
at some place and on some day get
recompense.

Railroad Fares for Canadians.

Eastern delegates to the Canadian
Horticultural Association's convention
at Montreal, August 16 and 17, can get
single fare round trip rates if there are
more than ten from any station on the
Intercolonial Railway. Get a certificate
at the station of departure, stating that
you have paid single first-class fare to
Montreal, get the same signed by the
secretary at the convention, present it
at the Montreal ticket office before
August 20, and you will be given a free
ticket home. A. H. EWING, Sec'y.

Mr. Scott of Buffalo.

Our attention has just been called to
the fact that in a recent number of a
journal which we never read Mr. Scott
has taken occasion to make some very
caustic comments on the recently pub-
lished expressions of opinion, in this
paper, on the question of holding conven-
tions in exposition cities.

We have always regarded the various
gentlemen whose names were signed to the
communications in question as earnest,
honest and representative members of
the trade. Mr. Scott sees fit to char-
acterize these gentlemen as "bilious" or
"warped" or "actuated by the narrow
view that some other town (except
Buffalo) would save them car fare."

As unprejudiced and disinterested
friends we desire to state to Mr. Scott
that no cause, however meritorious, was
ever advanced by calling names or
imputing unworthy motives to its
opponents.

Society of American Florists.

"DEAR SIR:—Enclosed please find \$3 for S. A. F.
dues. I wish to profit by experience gained at
Detroit and save valuable time, as I think there
will be a grand rush at New York on the first day
of the convention."

The writer of the above is one of a
large number of wise men who are pay-
ing initiation or dues and securing their
badges in advance. Why do you not do
likewise? Do it now and insure your
own comfort on the opening day. If you
paid dues for 1899, send \$3; if you did
not pay dues for 1899, send \$5 and
certificate with badge will be sent by
return mail. W. J. STEWART, Sec'y,
67 Bromfield street, Boston, Mass.

Convention Tips.

Pack up for New York.

We want you with us.

Five dollars for membership in the
S. A. F. for 1900. A good investment.

The man who goes to the conventions
escapes dry rot.

The exhibition will be a "corker," more
valuable to an enterprising florist than
two World's Fairs.

Are you still undecided? You'll make
a big mistake if you stay away; you'll
make no mistake if you go.

Be sure to bring your 1900 badge and
membership certificate with you, and
don't forget to get your railroad certi-
ficate from the ticket agent when you
buy your ticket for New York.

The Convention Hall.

The building known as the Grand Cen-
tral Palace or Industrial Building, where
the New York convention will be held, is
located on Lexington avenue and occu-
pies the entire block between Forty-
third and Forty-fourth streets. Lexing-
ton avenue cars pass the door. This
line runs on Broadway all the way up
to Twenty-third street, where it switches
off to Lexington avenue. The Third
avenue cars which start from the post-
office are convenient to reach the con-
vention hall, as they pass within one block
of it. Passengers on Sixth avenue sur-
face cars can transfer east either at
Twenty-eighth or Thirty-fourth streets
and then transfer north on the Lexing-
ton avenue car. One or the other of the
above mentioned routes will be available
for most of the visitors arriving via
down town terries. Passengers arriving
at Twenty-third street ferries should
take Twenty-third street cross-town car
and transfer to Lexington avenue car
going north, and those arriving at Forty-
second street ferry are carried within one
block of the convention hall by the
Forty-second street cross-town cars.
Passengers on New York Central or New
York, New Haven & Hartford R. R. are
delivered at the Grand Central station, a
block and a half from the convention
hall.

Buffalo to New York.

While we are assured of a good dele-
gation from our city to the convention it
will, from various causes, be unlikely
that we shall all travel by one route.
The N. Y. C. & H. R. R., the Erie, the
Delaware & Lackawanna and the Lehigh
Valley all have evening trains which
reach New York about 7 a. m., and all
give the one-third rate on return on the
certificate plan. The fare and a third on
the New York Central is \$12 33. On the
other roads it is \$10.70. Obtain your
tickets a few hours in advance as it takes
time for the agent to fill out the certi-
ficate.

The Chicago delegation have chartered
a special train and have kindly invited
the Buffalo delegates to join them. There
will be a day coach attached to the train
which will leave Buffalo at 10 a. m.
Monday, August 20, arriving in New
York at 9 p. m. Anyone wishing to join
the Chicago party will please notify
William Scott, Main and Balcom streets,
not later than Friday, August 17.

Signed, DAN'L B. LONG,
Wm. Scott, Committee.

Chicago to New York.

The Chicago Florists' Club Committee
on Transportation to the New York
Convention of the Society of American
Florists to be held August 21, 22, 23
and 24, has arranged with the Lake
Shore and Michigan Southern Railway
for a special train, which will be vesti-
buled and will contain as many Pullman
sleepers as may be necessary, a buffet
smoking car, a dining car and a day
coach.

The running time of this train will be
as follows:

Leave Chicago - 3:00 p. m. Sunday, August 19.
Arrive Niagara Falls 7:30 a. m. Monday, August 20.
Leave Niagara Falls 9:30 a. m. Monday, August 20.
Leave Buffalo - 10:20 a. m. Monday, August 20.
Arrive New York - 9:00 p. m. Monday, August 20.
(Grand Central Station.)

The railroad fare for the round trip will
be \$26.70 on the certificate plan. The
sleeping-car fare will be \$5 for a double
berth to New York. But if sleeper accom-
modations are desired to Buffalo only,
sleeper tickets from Chicago to Buffalo
may be had for \$3 and the remainder of
the distance traveled in the day coach.

At Niagara Falls an hour will be
devoted to a trip around the Gorge Route
Electric Line, which on the American side
runs for miles below the falls along the
rapids, whirlpool, etc. Special trolley cars
will await the arrival of our special train.
Those not wishing to take the trip
through the gorge can devote their time
to seeing the falls in any way they desire.

Returning from New York the members
of the party have the option of returning
by all rail route, or of taking the boat as
far as Albany. And as a daylight ride up
the Hudson is an exceedingly enjoyable
trip the majority will no doubt take
advantage of it.

The boat leaves New York, foot of Des-
brosses street, at 8:40 a. m. daily, reach-
ing Albany at 6:10 p. m. A westbound
train leaves Albany at 10 p. m., which
arrives at Chicago at 9 p. m. next day.
To any preferring the lake trip Buffalo to
Cleveland the privilege of taking the
C. & B. Transit Co.'s boat is afforded.

Berths may be reserved in the special
sleepers by addressing L. F. Vosburgh,
City Passenger and Ticket Agent, Lake
Shore and Michigan Southern Railway,
180 Clark street, Chicago, who will also
supply any other information. Railroad
tickets and certificates may be had at
the above address or at the station.

By vote of the Chicago Florists' Club
the Committee was instructed to invite
all florists in the west to travel with the
Chicago party and to share the advan-
tages secured by the committee. We
shall be pleased to have your company
on this trip. The New York convention
promises to be a memorable one, and
every florist who can possibly do so
should go.

Please make your berth reservation as
early as possible.

G. L. GRANT,
W. N. RUDD,
WALTER KREITLING,
Transportation Committee.

SITUATIONS, WANTS FOR SALE.

SITUATION WANTED—As manager or head gardener on private estate; good all-around man; German, married, no children. Best of references. Address C N C, care American Florist.

SITUATION WANTED—By a first-class cut flower grower and propagator of all plants for wholesale piece; a good worker; 30 years' experience; American, married, small family. Best of references. Address C B, care American Florist.

SITUATION WANTED—As foreman; successful grower of cut flowers and plants; capable of taking charge; single; age 33; 24 years' experience. References. Address E H K, 27 Beckwith Ave., Cleveland, O.

SITUATION WANTED—By a competent grower in any line; married no children; want permanent place rather than high wages. Good references. Address CURT KOEHLER, 555 Broadway Extension, Duquesne, Pa.

SITUATION WANTED—By a practical grower of roses, carnations, mums, ferns and general bedding stock; capable to take charge. Good references. East preferred. Address E S, care A. Young, 138 Colton St., Springfield, Mass.

SITUATION WANTED—As foreman, by a first-class grower of roses and cut flowers; general plantman; single, age 33. A first-class place wanted. Best of references. Open for engagement now or later. Address GROWER, care American Florist.

SITUATION WANTED—By a young man, 25 years old; with good experience in roses, carnations and general greenhouse plants. First-class references from England, Holland and Germany. Steady place wanted. Address Y B, care American Florist.

SITUATION WANTED—As foreman by a first-class grower of roses, carnations, mums, violets and decorative plants and forcier of bulbs. Only a first-class place where good wages are given. Good references. D F N, 249 N. Tenth St., Philadelphia, Pa.

SITUATION WANTED—By a thoroughly practical gardener and florist; Scotch; 12 years in this country and 12 years in the old country in some of the best places there. Can do landscape work. Good general gardener on private place; am a Christian; married, three children; aged 41. Address W S, Box 31, Montague, Mich.

SITUATION WANTED—By a thoroughly practical gardener and florist, 25 years' experience with roses, carnations violets and general line of plants; good designer and decorator, not afraid of work. A No. 1 reference, married, one child, age 40. For particulars please address GARDENER, No. 70 South Ave., Poughkeepsie, N. Y.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS B. BULL, Bakersfield, Cal.

WANTED—The address of Wm Lyons, formerly of Richmond, Va. He will send it to his advantage to send it to C T, care American Florist.

WANTED—Florist, first-class rose or carnation grower (latter preferred). State references and wages expected. H DATE ESTATE, Brampton, Ont.

WANTED—An AI man to grow roses, carnations, mums and general florist stock, to take charge of place on shares or for wages; single man preferred. Send references. For full particulars address C F. ELLEY, Baker City, Oregon.

WANTED—An up-to-date rose grower, to take charge of a block of houses at a large commercial place, where a good grower only is wanted. Wages \$35.00 and board, or \$50.00 without board. Address S T, care American Florist.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds. Bargain. W. L. WINN, White Hall Ill.

FOR RENT—Four greenhouses 14x7 1/2, with office 21x23, with rooms. Call at 1144 School St., Chicago.

FOR SALE—Four hundred feet second-hand 4-inch pipe and fittings; good condition. Address H. J. TETTEL, Box 205, Evanston, Ill.

FOR SALE—Steam heat free; water works, greenhouse with piping, cheap. Bargain for worthy florist. Address Box 138, Bowling Green, Mo.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only \$500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Greenhouse containing 6,000 feet of glass with house and barn in connection. Everything in good condition and well stocked. One-fourth cash, balance time. FRED PLAGGE, Elkh. Ill.

FOR SALE—Lease stock etc. of place of 500 feet of glass in Chicago suburb all in good condition. Stock first class and more than is needed. Will sell very cheap; cash wanted. Reason for leaving, am going to Europe. Address J D, care American Florist Chicago.

WANTED.

COMPETENT, RELIABLE FOREMAN for greenhouses. Must be well versed in growing roses, carnations and a general line of plants, and experienced in managing men. Salary at the rate of \$1000 per year. Married man preferred. Address with references, stating age and experience, L. L. MAY & CO., ST. PAUL, MINN.

Salesman Wanted.

By large seed house, an energetic salesman acquainted with garden seed trade in Central Western States. Address at once with full information.

SALESMAN, care Am. Florist, Chicago.

SALESMAN WANTED

For our Florist and Retail Department, Thoroughly experienced in Flower Seeds and Bulbs. Apply by letter.

W. W. RAWSON & CO.,

12 & 13 Faneuil Hall Sq., BOSTON, MASS.

Any Good, Reliable Firm

Wanting a first-class foreman, one who is up in cut flowers and plants, apply to me. I have sold my place and the change throws my foreman out of employment.

THE E. HIPPARD CO., Youngstown, Ohio.

WANTED....

A Carmody hot water boiler or sections, with return flue.

C. C. WONNEMAN, Mexico, Mo.

TO LET.

One Greenhouse, 125x20 feet; also office, dwelling and twelve city lots adjoining, for a term of years. Established 1888; opposite St. Michael's Cemetery.

W. H. SCHEURER,

532 Flushing Ave., ASTORIA, N. Y.

TO RENT.

In a town of fifteen thousand population, eight miles from Boston, on main street, electric cars pass the door; four greenhouses, heated by steam, thirty thousand feet land. Dwelling house can be used for two families. Good retail trade. Apply to

P. WELCH, 15 Province St., Boston, Mass.

For Sale or Rent.

Two Greenhouses, good four-room Dwelling House, City Water, Telephone, good Trade, town of 4000.

Two hundred and fifty dollars will buy Stock, and will rent for eight dollars per month.

C. H. HOLLIED, Horton, Kansas.

FOR SALE.

A florist establishment for sale, consisting of 13,000 square feet of glass, in good condition. Heated by steam; in the city limits, located in a city of 18,000 inhabitants on the Mississippi river in Iowa, with several acres of land and dwelling house; must sell soon on account of old age. For further particulars address

L C K, care American Florist.

FOR SALE With 10 Year Lease, One of the best places in Chicago.

This is a rare opportunity; if you have some cash, talk it over with me.

T. J. CORBREY,

1409-1411 W. Madison St., CHICAGO.

FOR SALE Thirteen (13) Greenhouses, situated in city of Allegheny, Pa., containing twenty-three thousand (23,000) square feet of glass. All steam heated and in good running order. Will sell houses at low price and lease dwelling and land, or will sell entire plant. Possession immediately. Address

J. M. REEVES, Warren, O.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,

846 New York Life Bldg. KANSAS CITY, MO.

For Sale.

Oakland, Cal.; an elegant piece of property, 160 feet front by 145 feet deep. Ten minutes' ride from the center of the city. Three large greenhouses, each 116 ft. by 25 ft., well stocked. Elegant cottage of 7 rooms. Gas fixtures and all conveniences. Owner compelled by circumstances to go to Alaska gold fields and must sell quickly. Cost \$7,000. Will sell at great reduction. Write for price.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE.**GREENHOUSE PROPERTY**

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

NOTICE**STOCKHOLDERS' MEETING.**

CHICAGO, July 21, 1900.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Murray Hill Hotel, New York, N. Y., Wednesday, August 22, 1900, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

F. R. PIERSON, Pres.
M. BARKER, Sec'y.

If you want to get the want you want to get your want adv. into next Saturday's great Convention Number

IT IS GOOD BUSINESS POLICY TO MENTION THE AMERICAN FLORIST WHEN YOU WRITE TO AN ADVERTISER.

New Orleans.

HORTICULTURALISTS ELECT NEW OFFICERS.—FUNERAL DESIGNS FOR POLICEMEN.

At the last meeting of the Horticultural Society the following officers were elected to serve the ensuing year: Paul Abele, president; Chas. Ehle, vice-president; John Eblin, treasurer; Dan. Newsham, secretary.

Business is very dull now. Hot weather makes flowers very scarce, hardly enough to fill up designs, for which there was quite a call last week, the majority for the funerals of the policemen who lost their lives in the recent riots.

Repairing houses and hotbeds is what keeps us busy just now. M. M. L.

AKRON, O.—In the recent hail storm S. W. Pike lost 800 lights of glass.

Wholesale Flower Markets

CINCINNATI, Aug. 9.

Roses, Bride.....	2.00@	3.00
" Bridesmaid.....	2.00@	3.00
" Meteor.....	3.00@	4.00
" Perle.....	2.00@	3.00
Carnations.....	.75@	1.00
" fancy.....	1.50@	2.00
Gladioli.....	2.00@	4.00
Stocks.....		2.00
Sweet peas.....	.15@	.25
Tuberose.....		3.00
Asters.....	1.00@	2.00
Lilies—Album and Rubrum.....	4.00@	5.00
Smilax.....		12.50
Adiantum.....		1.00
Common ferns.....		.15
Asparagus.....		50.00

St. Louis, Aug. 9.

Roses, Bride, Bridemaid.....	2.00@	4.00
" Meteor.....	2.00@	4.00
Carnations, common.....	.75@	1.00
Smilax.....		12.50
Adiantum.....	.60@	1.00
Tuberose.....	4.00@	5.00
Asters.....	.75@	2.00

MILWAUKEE, Aug. 9.

Roses, Beauty, med. per doz. 1 50@	2.00	2.00
" short.....	.50@	1.00
" Bride, Bridesmaid.....	3.00@	4.00
" Meteor.....	4.00@	5.00
" Kaiserin.....	4.00@	6.00
Carnations, ordinary.....		1.00
" fancy.....		2.00
Auratum lilies.....		15.00
Adiantum.....	.75@	1.00
Common ferns.....		.25
Gladioli.....	4.00@	5.00
Asters.....	.50@	1.00
Smilax.....		15.00
Asparagus.....		65.00
Galax leaves.....		.20
Sweet peas.....		.15

PITTSBURGH, Aug. 9.

Roses, Beauty, fancy.....	20.00@	25.00
" extra.....	10.00@	15.00
" No. 1.....	5.00@	8.00
" culls.....	2.00@	4.00
" Bride, Bridesmaid.....	2.00@	6.00
" Meteor.....	2.00@	6.00
" Perle.....	2.00@	4.00
" Cusin.....	2.00@	4.00
Carnations, ordinary.....	.50@	1.00
" fancy.....	1.00@	1.50
Lily of the valley.....	2.00@	4.00
Sweet peas.....	.10@	.50
Daisies.....	.25@	1.00
Smilax.....	12.50@	15.00
Gladioli.....	2.00@	4.00
Adiantum.....	.75@	1.00
Asparagus.....	35.00@	50.00
" Sprengerii.....	.25@	.35
Dagger ferns.....per 1000,	2.00	
Asters.....	1.00@	3.00

DENVER, Aug. 8.

Roses, Beauty, select.....	12.50@	20.00
" ordinary.....	4.00@	8.00
" Bride, Bridesmaid.....	3.00@	5.00
" Meteor.....	5.00@	6.00
" Perle, Wootton.....	3.00@	5.00
Carnations, ordinary.....	1.00@	1.50
" fancy.....	1.50@	2.50
Lily of the valley.....		4.00
Callas.....		12.50
Harrisii.....		12.50
Sweet peas.....	.15@	.20
Asters.....	2.00@	4.00
Asparagus.....		60.00
Smilax.....	15.00@	18.00
Ferns.....		.30

Everything in the
CUT FLOWER
line.
and a
complete line of **FLORISTS' SUPPLIES.**

WIRE WORK,
the kind
that will give satisfaction.

HOLTON & HUNKEL CO.,

P. O. Box 103.

Milwaukee, Wis.

When writing mention the American Florist.

CUT FLOWERS.

Shipping orders receive prompt
and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

Please Mention American Florist.

PITTSBURGH CUT FLOWER CO., Ltd.

504 ALL FLOWERS PITTSBURGH,
Liberty Street, IN SEASON. PA.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD. - 42 WEST 28TH STREET, NEW YORK.

Bronze Galax Leaves

\$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.

AMERICAN ROSE CO., Washington, D. C.

I PAY EXPRESS or POSTAGE on my

Bronze Galax Leaves

and deliver anywhere in U. S. for ONE DOLLAR FIFTY per 1000. Write for particulars.

LILLIAN ALLEN DEXTER, Washington, D. C.

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,

CHICAGO.

...AN...

Indispensable Adjunct

For a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of \$2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

Roses

ALL
FLOWERS
IN
SEASON

Carnations

When you want them.
As you like them.

E. C. AMLING,

Wholesale Cut Flowers,

32-34-36 Randolph St. CHICAGO.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty.

Carnations, Blooms and Cuttings.

51 Wabash Ave., CHICAGO, ILL.

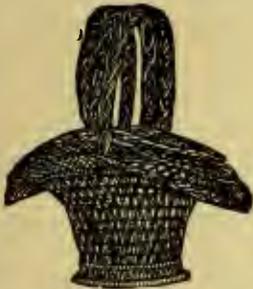
J. B. DEAMUD,

Wholesale

Commission Florist,

51 Wabash Ave., CHICAGO.

**McKellar & Winterson's
Modern Supply House.**



Send for Prices on all Supplies.
Clearance Sale Now On.

Give us your order now together with your needs in
CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

WHOLESALE DEALER IN
GROWER OF ROSES. CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.
Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention
paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. **CHICAGO.**

Please mention the American Florist.

WIETOR BROS.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCH

We are large Growers and
Shippers of **CUT FLOWERS**

ALL THE NEW VARIETIES.

YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your
orders.

51 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

Chicago, Aug. 10.		
Roses, Beauty, extra long stems		3.00
" " 30 inch		2.50
" " 24 "		2.00
" " 30 "		1.50
" " 15 "		1.25
" " 12 "		1.00
" " 8 "		.75
" Bride, Bridesmaid	2.00@	4.00
" Perle	2.00@	4.00
" Meteor	2.00@	4.00
" La France	2.00@	4.00
" Golden Gate	4.00@	6.00
" Liberty	4.00@	6.00
Carnations		.75
" fancy		1.00
Lily of the valley	3.00@	5.00
Mignonette	2.00@	6.00
Sweet peas		.10
Adiantum	.50@	1.00
Common ferns		.15
Fancy ferns		.20
Smilax	8.00@	12.00
Asparagus		50.00



**64 WABASH AVE.
CHICAGO**

S. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
 AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.
WELCH BROS., PROPRIETORS.
 NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblema. Block Letters, \$2.00 per
 Script Letters, \$4.00 per 100.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR

Carnation Blooms
 In Unlimited Quantities
SHIPPED TO ALL POINTS.
Chicago Carnation Co., JOLIET, ILL.

Geo. A. Sutherland, Boston Flowers.
WHOLESALE DEPOT FOR
All Florists' Supplies,
 67 BROMFIELD ST.,
BOSTON, MASS.
 Price lists mailed.

Wholesale Florists, JOBBERS IN
 Always on Hand:
CARNATIONS, FLORISTS' SUPPLIES
BRIDESMAIDS, BRIDES. FLORISTS' VASES.
 Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

The American Florist Company's
DIRECTORY
 Contains the names and addresses of all the Florists, Seedsmen and Nursermen in the United States and Canada. Price \$2.00.
AMERICAN FLORIST CO.,
 324 Dearborn Street. Chicago, U. S. A.

Circulation
 which
Circulates
 The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Wholesale Flower Markets

PHILADELPHIA, Aug. 8.

Roses, Tea.....	1.00@	1.50
" " extra.....	2.00@	4.00
" " Beauty, extra.....	10.00@	15.00
" " firsts.....	5.00@	8.00
Carnations.....	.50@	.75
" " fancy.....	1.00@	1.50
Lily of the valley.....	2.00@	4.00
Gladiolus.....	2.00@	3.00
Tuberose.....	3.00@	5.00
Asters.....	.50@	1.00
Asparagus.....	25.00@	50.00
Smilax.....	10.00@	15.00
Adiantum.....	.10@	.75
Sweet peas.....	.20@	.30

BOSTON, Aug 8

Roses, Beauty, extra.....	15.00@	20.00
" " medium.....	4.00@	6.00
" " culls.....	1.00@	2.00
" " Bride, Bridesmaid, Meteor.....	.50@	3.00
" " extra.....	3.00@	5.00
" " Kaiserin.....	6.00@	8.00
Carnations.....	.50@	1.00
Lily of the valley.....	2.00@	4.00
Asters.....	.35@	.75
Sweet peas.....	.05@	.10
Smilax.....	8.00@	10.00
Asparagus.....		50.00
Hardy ferns.....		.20
Caodytuft, Gypsophila, etc.....	.10@	.15 per bunch

GIVE US A TRIAL! WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,
Wholesale Florist,
 1122 PINE STREET,
ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING
Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer,
Wholesale Florists
 1604 LUDLOW STREET,
 'Phone 1-42-69-A. **PHILADELPHIA.**
 Consignments Solicited.

LEO. NIESSEN,
Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
PHILADELPHIA, PA.
 LONG DISTANCE 'PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
WHOLESALE FLORIST,
 32 South 17th Street, **PHILADELPHIA, PA.**
 Long Distance 'Phone 1-41-26 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
Wholesale Florist,
 27 S. 11th St., Telephone 63-64, **PHILADELPHIA.**
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG...
Largest Grower of... Cut Flowers
 in the West.
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON,
Wholesale Florist,
 5515 Fifth Ave, **PITTSBURG, PA.**
 LONG DISTANCE 'PHONE 2985.
 Consignments of Rosea, Carnations and Violets. Solicited.

The Cincinnati
Cut Flower Co.,
 416 Walnut St., **WHOLESALE FLORISTS.**
 CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders.

J. M. COHEN, Florist,
 Telephone 2385.
 CONSIGNMENTS SOLICITED.
22 Chapman Place, BOSTON, MASS.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

THOMAS YOUNG, Jr.
Wholesale Florist,

New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

YOUNG & NUGENT,
WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

Crowe & Co. Special Prize Maids,
Superb Roses, Leading Varieties. Choice Carnations and Rare Novelties.
Summer Shipping a Specialty.
TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,
Wholesale Commission Florist,
57 W. 28th. St., NEW YORK CITY.
Telephone 2200 Madison Square.
Special attention given to Shipping Orders.
—CONSIGNMENTS SOLICITED.—

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR
Violets & Carnations.
BLOWERS and BUYERS make a note of this. It
will be to your advantage.
WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cut Flower Exchange,
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....
DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 8.

Roses, Beauty, select.....	20.00@30.00
" " medium.....	4.00@ 6.00
" " culls.....	.50@ 2.00
" Bridesmaid, Bride, Meteor .25@	1.00
" " select. 3.00@	4.00
Carnations.....	.50@ 1.50
Lily of the valley.....	2.00@ 3.00
Sweet peas per 100 bunches	1.00@2.50
Harrisii.....	4.00@ 6.00
Cattleyas.....	20.00@33.00
Gladioli.....	1.00@ 1.50
Asters.....	.40@ .50
Smilax.....	8.00@12.00
Asparagus.....	25.00@35.00
Sprengerii, per doz. bun.	.75@1.00
Adiantum.....	.25@ .50

BUFFALO, Aug. 9.

Roses, Beauty.....	10.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin.....	6.00
Carnations.....	1.00
Lily of the valley.....	3.00@ 4.00
Sweet peas per doz. bunches	.30@ .75
Auratum lilies.....	10.00@12.50
Roseum.....	4.00@ 6.00
Gladioli.....	2.00@ 3.00
Asters.....	1.00@ 2.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy ferns, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,
Wholesale Florist.
New Telephone No. 902 Madison Sq.
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
ROSES, CARNATIONS, VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE

S. J. LIMPRECHT,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street. NEW YORK.
Telephone 1438 Madison Square.
Consignments Solicited.

Do not forget to say "saw your ad. in the AMERICAN FLORIST" when corresponding with advertisers

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities. * * * * * Telephone 197 Madison Square.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square,NEW YORK.
CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Pres.; F. W. BOLOIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE large sizes of Harrisii lily bulbs are reported scarce, also longiflorums.

THE European demand for American flax seed shows some improvement of late.

BEANS in some sections have been allowed to go to seed by gardeners who preferred to do so rather than accept the market price for green beans.

ERFURT, GERMANY, July 24.—The pansy seed crop appears to turn out very short on account of the unfavorable weather last spring and the early part of summer.

HOLLAND bulbs are reported a good average crop this year. The late spring, however, has delayed maturity and delivery will be from eight to ten days later than usual in consequence.

ONION seed of some kinds is short in California crops, while in other fields the same sorts have done much better. On the whole there will probably be enough to go around. Onion bulbs for next year's seeding are stiff in price.

BOSTON, MASS.—A meeting of the seed trade of this city was held at the office of W. W. Rawson & Co., on August 2, to take action on the death of C. H. B. Breck. Resolutions were adopted and arrangements for a full representation of the trade at the funeral were made.

QUEDLINBURG, GERMANY, July 25.—The crop of pansy seeds is short up to the present on account of the cold, wet spring, which retarded growth. Sweet peas are very promising now, so that a good crop may safely be expected. The prospects on the whole for a good flower and vegetable seed crop are not bad. The weather from the beginning of July was very favorable. In the case of such plants as wallflowers and myosotis, the yield will be very short. The rutabaga and turnip seed crops are also likely to be short.

Pepper's Prolific Tomato.

One mile from the railroad station at Jenkintown, Pa., is the residence of John W. Pepper. Being interested in tomatoes and the forcing of fruits and vegetables in general, I took this walk, when in Jenkintown recently, to see Pepper's Prolific tomato and compare it at its home with specimens which I had seen at George C. Watson's store in Philadelphia. I was much pleased with the spacious grounds, gardens and forcing department, through which I was shown by the gardener in charge, Wm. Robertson.

In regard to the tomato in which my interest centered, I must say that it was a pleasant surprise to see the well-grown and trained plants loaded with immense bunches of bright red fruit. It is the most prolific bearer I have ever seen. The bunches each had from eight to sixteen well developed fruits, about 2x2½ inches in size, a beautiful color, excellent flavor, flesh firm and with no hard core.

In 1888 I sent out the Lorillard tomato, the best forcing seedling I had raised in six years of crossing. It is a cross of Perfection and Acme. I only wish I might have had Pepper's Prolific at that date, as I feel sure that it can be

used as a parent to bring out the ideal tomato, a tomato which will set fruit under glass in December, January and February, the bad months to set fruit in owing to the poor sunlight. Pepper's Prolific will set fruit at all seasons, Mr. Robertson assures me.

The ideal tomato must set good crops, the color must be bright red, the flesh firm and with no hard core; the shape must be good, the size about 2x3 inches. I suggest using the Frogmore and Lorillard as parents to bring forth the ideal tomato. I have found, after twelve years with the Lorillard, that it will thrive under glass or out of doors.

JOHN G. GARDNER.

An English Selection of Sweet Peas.

The following is a list selected by the *Gardeners' Chronicle* from an assortment of 200 varieties grown side by side for classification purposes at the trial grounds of Hurst & Son, Kelvedon, Essex:

Orange—Gorgeous, one of the best, and Lady Mary Currie.

Yellow to white—Mrs. Eckford, Lottie Hutchins, Sir George White and Sadie Burpee.

Deep red or maroon blues, etc.—Mars, Captivation, Navy Blue, Othello, Princess of Wales, Emily Eckford and Lady Grisel Hamilton.

Rose colored varieties—Royal Rose, Triumph, Countess of Lathom, Coronet, Lovely, America, Earliest of All, Prince of Wales, Prince Edward of York and Chancellor.

Cleveland.

FOREST CITY TO BE WELL REPRESENTED AT NEW YORK.—NO PARTY ARRANGEMENT.

Convention talk is all the go just now, and from present indications the Forest city will be fairly well represented in New York. The bowling team is hard at it at every opportunity, and we all hope it will be heard from when it faces the other fellows on the alleys far, far away. Judging from present indications there will be no special arrangements for the pilgrims, as the fare and a third rate seems to be the only thing attainable. Those who are going will therefore consult only their personal convenience and their private business affairs in making their arrangements. A few have already started; others will not go until the last possible moment.

There is but little business going on at present excepting funeral work, which keeps things from utter stagnation. The growers are replanting or overhauling the houses.

A. H. Graham returned lately from a short vacation in the east. A.

JOHNSON & STOKES' GIANT KINGLY PANSIES.

We have searched the world to get this strain up to its present standard of perfection, and it is now pronounced by our customers as unrivalled in size, substance of flower and richness of color. Trade pkt., 50c; ¼-oz., \$1.25; oz., \$3.00. FRESH SMILAX SEED.—Per oz., 25c; per pound, \$2.50. ALLEGHENY DOUBLE FRINGED HOLLYHOCK.—Our Floracraft Strain. Trade pkt., 25c; ¼ oz. pkt., 50c; per oz., \$1.50. CINERARIA.—James' Giant Strain, per pkt., 25c; trade pkt., 60c. CALCEOLARIA.—James' Giant strain, per pkt., 25c; trade pkt., 60c. We are ready to book orders for White Romas, Freesias, Callas, Paper White Narcissus, etc.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.



CALIFORNIA

Calla Bulbs

Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

FIRST SIZE, 1¼ to 1½-in. diam., doz. 75c; 100 \$5.00.

SELECT, 1¼ to 1½-in. diam., doz. \$1.25; 100 \$7.00.

EXTRA SELECT, 2 to 2½-in. diam., doz. \$1.50; 100 \$9.00.

EARLY DELIVERY means much. Gettug these bulbs when you want them is everything. Late surpluses at half price are not bargains.

VAUGHAN'S SEED STORE,

NEW YORK:
14 Barclay St.

CHICAGO:
84-86 Randolph St.



NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans, Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address H. H. BERGER & CO., (Est. '78) 47 Barclay St., N.Y.

A good adv. in a good paper will bring good returns.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following Palms in fine condition:

KENTIA FORSTERIANA, per 1000, \$4.00; 5000 to 10,000 at \$3.50; 10,000 and over at \$3.00.

Also CYCAS REVOLUTA STEMS in assorted sizes, 3 lbs. to 12 lbs., at \$8.00 per 100 lbs., while unsold.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN SEND FOR PRICE LIST.

Book Cuts, 10c. per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.

VREDEBURG & CO., Rochester, N. Y.

**Before
Thursday
Noon...**

ADVERTISEMENTS for the annual Convention Number of the American Florist should reach this office before noon on Thursday, August 16, to insure good display.

The New York Number will eclipse all previous special issues of the American Florist both in the value of its special features, its typographical excellence, its circulation and its business bringing power.

The Advertising Rates for this issue will not be increased. \$1 will buy an inch, \$10 will buy a column and \$30 will buy a page. Those who are advertising on time contracts will receive the contract discount upon increased space.

**You'd
Better
Hustle**

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAVER, Rochester, N. Y., Sec'y.

W. E. WELLINGTON, of Toronto, is convinced that the usual conditions make fall planting preferable to spring planting for most items of nursery stock.

At a recent meeting of the Southern Nurserymen's Association resolutions were adopted endorsing the Federal inspection bill and urging all southern states to appoint entomologists.

DR. W. SEWARD WEBB, the millionaire railroad manager, has the credit of the largest job of tree planting on record, having set out over 200,000 trees, principally white and Scotch pines, on his farm in Vermont.

The Canadian customs officials have issued notices that nursery stock from the United States will be admitted this fall and next spring upon the same terms as early in this year. The exact dates have not yet been announced but it will be while the plants are dormant.

The Clematis Disease.

ED. AM. FLORIST:—The disputed question as to who struck Billy Patterson remains as yet unsolved; so, too, does the more vital one of the clematis disease. I do not think that the mode of procedure advocated by Mr. Koster, the cutting back each spring of all growth above the crown of the plant, would be successful in the end. My experience with this most beautiful class of climbers is that the result of the disease manifests itself, in the main, on stems two years old; shoots seldom die back the first year. Now, such being the case, the cutting back of all growth in the spring would eradicate all diseased stems and the growth of the season following would show but a small percentage of disease. Were this cutting back annually followed up for a number of years, it might have a tendency to eradicate the disease, but would it not so weaken the plant as to make it worthless? Could it stand the strain of being forced to break into new growth each recurring spring?

Mr. Koster is a grower, a man of international repute. He grows for the trade. Plants of the clematis are sent out generally when two and three years old. His main stock of marketable clematises was cut back last spring and the new growth will be in good shape this fall when the plants are taken up and packed for shipment. These plants, being young and vigorous, and having undergone but two such severe cuttings back, are in good form, but how will they be the next season and the following if not cut back? If cut back, how long will the plant stand it?

A. G. Jackman, of the famous English firm of Geo. Jackman & Son, lately delivered an address in London on the clematis. He discards all the theories regarding the disease hitherto promulgated, and says he is of the opinion that it is mainly due to loss of constitution through over-propagation. Let us hope he is right, and his opinion certainly commands respect. Novelty of various kinds in the plant line are often weak and diseased from excessive propagation, but in time become strong and healthy. There have been two departures in the hybridization of the clematis that seem to carry us away from the disease. It is

probably caused by the rugged blood of one of the parents. First came *C. integrifolia* var. *Durandi*, being a cross between *C. integrifolia* and the Chinese *C. lanuginosa*. This is a cross between a non-climbing bush species and a climbing form.

Within a few years Geo. Jackman & Son have succeeded in producing a cross between the large flowered hybrids and the species *C. Viorna* var. *coccinea*, securing a robust, free flowering vine of most exquisite beauty, with many varied forms and colors. I have flowered them for three seasons and each year the plants grow stronger, flowering from the middle of July until frost sets in.

Fortunately for those Americans who dislike to import plants on account of the bother of getting them through the customs house, Jackman's *coccinea* hybrids may be obtained in this country of H. A. Dreer. It is a singular fact that these two classes of clematises most free from the disease have been obtained from species or varieties quite distinct in some important traits. *C. Durandi* is a cross between a climbing vine and a herbaceous perennial of bush form, and Jackman's hybrids are from varieties producing a woody stem and *C. coccinea*, which has a herbaceous stem that dies back in the fall. W. C. EGAN.

Washington.

WHAT THE GROWERS ARE PLANTING.—
MANY ROSES HAVE BEEN BENCHED.

Minder Bros. have planted one house of roses, *La France*, *Bridesmaid*, *Pres. Carnot*, *Golden Gate*, *Perle*, *Wootton* and *Kaiserin*; also two houses of chrysanthemums, about 8,000 in all. Their ferns and *Ficus elastica* are looking fine.

David Saunders is adding seventy-five

feet to his violet house, making it 11x150, the length of his carnation house. His carnations and bedding plant stock are in good shape.

J. Louis Loose has ten houses of roses planted, *American Beauty*, *Bridesmaids*, and one house of *Liberty*. He has about 100 each of the varieties named grafted and will give them a careful test; at present they look very fine. Next week they will start housing their carnations, of which they have quite a number.

J. H. Small & Sons have two houses planted with chrysanthemums, some in solid beds, but most on benches, and a number of specimen plants in pots, in all about 14,000. Palms and ficuses are in fine condition. They have a lot of ferns, among them *Lastrea Capensis*, which is one of best half-hardy ferns grown.

P. G.

St. Louis.

The extreme hot weather of the past few days has had a very bad effect on flowers, causing them to come into market too much open and otherwise injured in quality. There has been plenty of stock of the kind which is at present in season but the demand is nothing to speak of.

A. Ringier, representing *Barnard & Co.*, Chicago, is a visitor in town.

The bowlers did not meet this week on account of the heat. M.

MACOMB, ILL.—S. T. Danley is increasing his establishment just fifty per cent by adding two houses 10x55. He will use the new structures for pansies and violets. Mr. Danley expects to have 100,000 pansy plants for fall sales. He will grow the *Lawson* carnation this year.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

Send for our Price List We have a fine stock,
for fall delivery, of

Field Grown Roses, Clematis, strong; 2 yrs. old,
Flowering Shrubs, fine assortment,
Ornamental Trees, Conifers.

To avoid disappointment, order now a supply of

ROSE-STOCKS FOR GRAFTING.

(Prices delivered in this country.) *Rosa Manetti*, \$12 per 1000. *Rosa Polyantha*, \$8 per 1000. *Rosa Laxa* (Froebeli), \$8.50 per 1000. The stocks most largely used by European growers for grafting tea roses.

Our representative, Mr. J. Austin Shaw, will be at the Convention and will be pleased to quote prices upon any wants in our line.

JACKSON & PERKINS CO., Newark,
New York.

Cemetery Work.

Plans made and executed or laid out preliminary to and ready for convenient use. Methods modern; grading, draining and irrigating when desired. Landscape and surveys, specialties.

B. F. HATHEWAY,

19 Relay Place, STAMFORD, CONN.

Strawberry Plants.

100,000 Pot Crown Plants.
New and Old Varieties.
Send for Circular.

JAS. MCCOLGAN & CO., Atlantic Highlands,
N. J.

WRITE US

For prices on the following Everblooming Roses in 4-in. pots, healthy and well grown. *Bride*, *Bridesmaid*, *Golden Gate*, *Kaiserin Augusta*, *La France*, *Meteor*, *Mme. Caroline Testout*, *Perle des Jardins*, *Papa Gontier*, *Safrano*, *President Carnot*, *Muriel Graham*, *Souv. de Wootton*, by the hundred.

MAPLE AVE. HOOPES, BRO. & THOMAS,
NURSERIES, West Chester, Pa.



Send to THE MOON

Company

For { Trees, Shrubs, Vines,
Your { and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE,
(Bucks Co.), PA.
Please mention the American Florist when writing.

.....If your.....

Business Methods

are right you can make a profit
on an advertisement here.

One-Half Million Ferns

Our stock of FERNs this season is larger and in better shape than ever, while the assortment is the best we ever offered.

Now is a good time to lay in a supply for fall and winter use; the plants are all open frame grown and are well hardened, and in prime condition to ship.

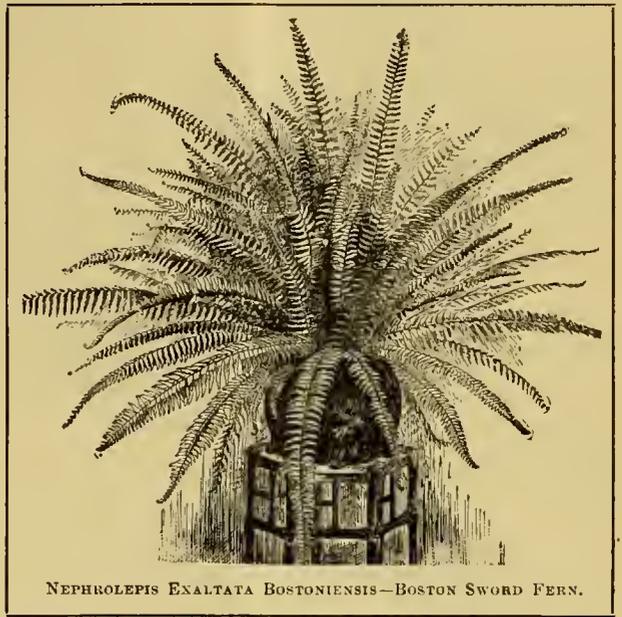
Special Low Prices on Ferns in lots of 2000 or more.

NEPHROLEPIS EXALTATA BOSTONIENSIS

(Boston Sword Fern.)

We have a fine stock of this most popular variety.

2 1/4-inch pots 75c per dozen; \$ 5.00 per 100; \$40.00 per 1000
7-inch pots \$9.00 " 75.00 "



NEPHROLEPIS EXALTATA BOSTONIENSIS—BOSTON SWORD FERN.

General Collection of Fine Ferns

	Inch pots	Per 100	Per 1000
Adiantum Emulum.....	2	\$ 5.00	\$40.00
Aneitense.....	3	12.00	
Bausei.....	3	12.00	
Capillus-Veneris Mariesii.....	4	15.00	
Concinnum.....	2	4.00	
Cuneatum.....	2	4.50	30.00
".....	3	6.00	50.00
" Variegatum.....	2	3.50	30.00
".....	4	15.00	
" Grandiceps.....	2	4.00	35.00
Decorum.....	2	4.00	35.00
Formosum.....	2	5.00	50.00
Farleyense.....	3	15.00	
".....	5	70.00	
Gracillimum.....	2	4.00	35.00
".....	4	15.00	
Legrandi.....	2	5.00	
".....	5	15.00	
Bellum.....	2	5.00	40.00
Mundulum.....	2	5.00	
Pubescens.....	2	3.50	30.00
Rhomboidum.....	3	10.00	
".....	4	15.00	
Rhodophyllum.....	2	5.00	
".....	3	8.00	
".....	2	5.00	40.00
Wiegandi.....	4	12.00	
".....	2 1/4	8.00	
Alsophila Australis.....	3	8.00	
Asplenium Obtusilobum.....	2 1/4	4.00	35.00
Blechnum Occidentale.....	3	6.00	
Rubrum.....	2 1/4	4.00	35.00
Cyrtium Falcatum.....	2 1/4	4.00	35.00
Fortunei.....	2 1/4	4.00	35.00
Caryotidium.....	2 1/4	5.00	40.00
Davallia Fijiensis Plumosa.....	3	15.00	
Strica.....	2 1/4	4.00	35.00
Dicylogramma Japonica.....	3	10.00	
Japonica Variegata.....	3	15.00	
Dicksonia Antarctica.....	2 1/4	6.00	
Gymnogramma Sulphurea.....	2 1/4	5.00	

	Inch pots	Per 100	Per 1000
Lasrea Aristata Variegata.....	2 1/4	\$4.00	\$35.00
Chrysoioba.....	2 1/4	4.00	35.00
Opaca.....	2 1/4	4.00	35.00
Lomaria Ciliata.....	2 1/4	4.00	35.00
Gibba.....	2 1/4	4.00	35.00
Lygodium Scandens.....	2 1/4	6.00	
".....	4	15.00	
Dichotomum.....	3	10.00	
Microlepia Hispida.....	3	6.00	
Nephrolepis Pectinata.....	5	15.00	
Nephrodium Hertipes.....	2 1/4	4.00	35.00
Niphobolus Lingua.....	4	15.00	
Onychium Japonicum.....	2 1/4	4.00	35.00
Platyoma Falcata.....	2 1/4	5.00	40.00
Polypodium Aureum.....	2 1/4	4.00	35.00
Polystichum Coreaceum.....	2 1/4	6.00	50.00
Setosum.....	2 1/4	5.00	40.00
Pteris Adiantoides.....	2 1/4	3.00	25.00
Argyrea.....	2 1/4	3.50	30.00
Cretica Albo Lineata.....	2 1/4	3.50	30.00
" Mayii.....	2 1/4	6.00	50.00
" Magnifica.....	2 1/4	3.50	35.00
" Wimsetti.....	2 1/4	4.00	35.00
Drinkwateri.....	2 1/4	4.00	35.00
Hastata.....	2 1/4	3.50	30.00
Internata.....	2 1/4	3.50	30.00
Leptophylla.....	2 1/4	3.50	30.00
Ouvrardi.....	2 1/4	3.50	30.00
Serruata.....	2 1/4	3.00	25.00
" Voluta.....	2 1/4	3.50	30.00
Sieboldi.....	2 1/4	3.50	30.00
Palmata.....	2 1/4	3.50	30.00
Sitobium cicutarium.....	2 1/4	6.00	
Selaginella Emiliana.....	2	3.50	30.00
MIXED FERNS, " selection.....	2 1/4	3.00	25.00
".....	3	6.00	50.00

For a full line of DECORATIVE PLANTS and other SEASONABLE STOCK see our current QUARTERLY TRADE LIST, of which a copy will be mailed on application, if you have failed to receive one.

Invitation. Florists attending the Convention in New York are cordially invited to visit our establishment at Riverton, N. J. Our representatives will be found in Convention Hall, and will gladly give information as to the best way to reach Riverton.

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world. Now ready to ship; a splendid stock of plants in four true colors, red, white, pink, and white with carmine eye, from 2 1/4-inch pots, \$5.00 per 100; \$40.00 per 1000; from 3-inch pots, \$7.00 per 100, \$65.00 per 1000. 250 at the 1000 rate.

SPECIAL OFFER. CINERARIA HYBRIDA MAXIMA GRANDIFLORA and Maxima Grandiflora Nana. strain superb in every way, transplanted from flats, strong plants, \$1.50 per 100; \$12.50 per 1000. 250 at the 1000 rate.

CHINESE PRIMROSES. (ready Aug. 15th) in the finest market varieties, including blue, double white and red, from 2 1/4-in. pots, \$2.50 per 100.

ALL STOCK GUARANTEED A NO. 1.

PAUL MADER, East Stroudsbjrg, Pa.

Schmidt's Pansies have no equal. New crop now ready; no matter what you pay, you cannot get a better strain; 1/2 ounce, \$1.25; 1/4 ounce, \$2.00; one ounce, \$4.00
J. C. SCHMIDT, BRISTOL, PA.

CHINESE.... PRIMROSES

50,000 finest large flowering fringed.....1000, \$17.00; Per 100, \$2.00
Obconica grand., fimbriata, rosea and Forhesi " 2.00
Obconica grandiflora and rosea, ready Sept 1st.
Asparagus { Sprengeri.....\$3.00 per 100 Pansy Seed, large flowering,
Plumosus..... 4.00 " ounce, \$4.00
Cinerarias, August 20.....\$2.00 per 100.

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St. Chicago

Cinerarias.

Superb strain, large plants in flats, ready for 2-in. pots, \$1.50 per 100. Cyclamen, 3-in., ready for 4-in., \$4.00 per 100. Coleus, newest fancy colors, large plants from flats, \$1.00 per 100. Heliotrope, field grown, the best dark blue, large plants full of cuttings, \$1.25 per dozen, \$10.00 per 100.

Sam'l Whitton, 15-17 Cray Av., Utica, N. Y.

Please mention the American Florist when writing.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 87 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Chicago.

The following scores were made in practice on Friday evening, August 3, Degnan bowling with his left hand because of a sore thumb on the other:

Player	1st	2d	3d	4th	5th	6th	7th
Winterson	208	190	132	178	143	148	118
Balluff	152	138	164	137	139	122	111
Kreitling	120	186	129	153	115	172	99
F. Stollery	142	153	137	160	157	126	201
Hauswirth	184	126	140	130	142	161	157
Shaw	117	117	108	109			
Degnan	52	51	140				

At Boston.

On Friday evening, August 3, the bowling enthusiasts were electrified by the performance of Wm. Martin, who made a score of 220 in his second game. If he had saved that for New York he would have become a bigger man than either McKinley or Bryan.

Player	1st	2d	3d	4th
F. J. Norton	142	152	133	125
Rough	96	122	146	
Rough, Jr.	85	115	119	102
Martio	117	220	154	124
Hannan	121	155	123	117

At Detroit.

The score at the practice game on August 6 shows that Detroit will be in the running at New York later in the month:

Player	1st	2d	3d	4th	Av
Breitmeyer	161	232	161	192	186
Watson	162	169	140	148	155
Holznaple	151	121	188	149	152
Duna	163	155	115	168	159
Pickworth	168	152	142	129	148
Pantke	104	129	188	142	141
Beard	119	142	171	115	137
Taylor	133	134	143	132	136
Davis	135	115	155	121	132
Flowerday	110	153	130		131
Sullivan	158	117	103	95	118
Shaw	96	99	107	106	102

J. F. S.

At Flatbush.

There was a full attendance at the games last Thursday evening. Riley let himself loose on the last round just to see what would happen and a score of 224 to his credit was the result. There were a number of other good scores reached, as the following tables will show:

Player	1st	2d	3d
Raynor	141	131	148
E. Dailedouze	153	116	129
P. Dailedouze	180	166	128
Thennis	107	134	125
Schmutz	160	130	146
Riley	114	153	224
Woecker	133	157	150
A. Zeller	162	165	158
H. Dailedouze	143	94	127
Schmutz, Jr.	130	191	115
Le Mout	95	72	
C. Zeller			112
Laagjuhr			109

At Philadelphia.

The fourth and last of the matches on outside alleys was played last Monday evening, the final game being bowled on the North Broad street alleys. Each match was played on a different alley and, as the prize was a place on the convention team, the entire contest was almost as nerve testing as the national

tournament games. The following are the total scores of the twelve games in the order in which the men finished:

Player	Player
Moss.....1896	Baker.....1578
Anderson.....1795	Watson.....1565
Walker.....1700	Kift.....1541
Connor.....1691	Gibson (six games). 761
Harris.....1684	Westcott (six games) 755

The first eight men constitute the team and substitutes. The average of the first six men in the twelve games is 143½. This is about fifteen pins less to a game than their collective average would be on our own alleys and shows what a difference strange alleys make to some bowlers. There will now be a match or two between the convention team and a picked six from the associate members, who will try to draw them out a little.

At New York.

On Monday evening, August 6, scores were made at the bowling club as follows:

Player	1st	2d	3d	4th	5th
Traeddy	111	145	128	132	113
Siebenheller	106	124	132	163	131
Roehrs	173	117	147	156	155
Donaldson	116	191	187	140	195
Thielman	135	212	145	195	
Manda	159	128	133	165	
P. L. Walters		129	104	112	
Burns		135			
O'Mara		152			

As the great event for which all have been preparing is now at hand, the following records and averages made by the New York bowlers for the months of June and July will be interesting:

Player	Points	Games	Average
Traeddy	2856	20	143
Schenck	1739	12	145
O'Mara	1828	12	152
Roehrs	2346	17	138
T. J. Laug	2603	17	153
Burns	3253	24	136
Thielman	1840	12	153
Manda	3111	22	141
Marshall	2310	15	154

To the Bowlers.

As Mr. Schenck, of the New York Florists' Club's bowling committee, is quoted in last issue of the Florists' Exchange as saying that he could not reply to the question asked him several times, apparently by would-be contestants, as to whether any entrance fee would be required for the national tournament, I think it best to again state that as far as the National Florists' Bowling League is concerned there is no fee of any kind except for the sweepstake prizes, which, of course, are only open to the clubs which contributed to this fund. It cannot be determined just how the fund is to be divided or prizes purchased with the money until the representatives of the contributing clubs get together in New York, as the league committee has not been able to get sufficient data to enable them to go ahead in the matter. ROBERT KIFT, President N. F. B. L.

A Hint to Conventionites.

ED. AM. FLORIST:—The comments of "W." in your issue of August 4 are timely. The bowling is all right when it is arranged for, as at New York, so as not to conflict with the work of the convention. No one who does not enjoy those things is compelled to attend the contests, much less to enter into them. Business and pleasure is a winning combination to play, but too much pleasure is, of course, had for business. It has seemed to me—I venture the opinion with fear and trembling—that some few of those cups and other trophies for the bowling contests, which have been men-

tioned so constantly in the past weeks, might well have been given for contests more strictly horticultural. It wouldn't have made any difference you know, really, if one or two of the boys didn't get a prize. W. N. RUDD.

The "hint to conventionites" is so practical that it strikes at the very heart of the work of the "conventionites," but it seems to me that the writer of a good thought should never be ashamed of his name; "W" is nothing except a letter down near the end of the alphabet. His finger, too, is directed to the bowlers and indicates that those who are developing their muscle and perfecting themselves in rolling might possibly exhaust their vital forces before they reach the convention, and then, being spent balls, as it were, have little influence in setting up wise thoughts and suggestions when they should be most needed. It is the bowlers, practically or figuratively, who are the best workers, the best thinkers, and who achieve the best results. I approve the suggestions of "W." I have always endeavored to encourage thoughts upon improvement in the methods of building, in growing and the cultivation of taste and judgment in the selection of what to grow. I have tried to study the building from the foundation, the plant from seed, and to have ideas of my own, but there is never a time when I cannot be benefited by the consensus of opinion, the accumulation of ideas, and the practical suggestions which originate with the thinkers of our organization, whether they be bowlers, delvers, experimenters or amateurs. I love the art, and I believe that there is not one, in the society or out of it, engaged in it who does not regard it with a certain amount of affection and fascination, as well for the pleasure it affords as for the profits which result from it. Wm. F. GUDB.

New York Hotels.

At the request of Walter F. Sheridan, chairman of the reception committee, we herewith present a list of the hotels of New York for the information of those who will attend the approaching convention of the Society of American Florists:

EUROPEAN PLAN.	Rates		Miles to Hall.
	per day.	per day.	
Savoy, 59th st. and 5th av.	\$2 00		1
Netherland, 59th st. and 5th av.	2 00		1
Metropole, Broadway and 42d st.	1 50		¼
St. Cloud, Broadway and 42d st.	1 50		¼
Manhattan, Madison av. and 42d st.	2 00		¾
Marlborough, Broadway and 37th st.	1 50		¼
Murray Hill, Park av. and 40th st.	1 50		¼
Grand Union, Park av. and 42d st.	1 00		near
Imperial, Broadway and 33d st.	1 50		¾
Imperial, Broadway and 31st st.	1 50		¾
Victoria, 5th av. and 27th st.	1 50		¾
Ashland, 4th av. and 25th st.	1 00		¾
Continental, Broadway and 20th st.	1 00		1½
Union Square, Union sq. and 15th st.	1 00		1½
Everett, Union sq. and 17th st.	1 50		1½
St. Denis, Broadway and 11th st.	1 00		1½
Cosmopolitan, W. Broadway and Chambers	1 00		3
Astor House, Broadway opp. General P. O.	1 00		3
Holland House, 5th av. and 30th st.	2 00		¾
AMERICAN AND EUROPEAN PLAN.			
	Am.	Europ.	Miles.
May's, 50 West 28th st.	\$1 50	\$1 50	¾
Broadway Central, Broadway opp. Bond	2 50	1 00	2
Plaza, 58th, 59th and 5th Av.	5 00	2 00	1
AMERICAN PLAN.			
	Per day.	Miles.	
Fifth Avenue, 5th av. and 23rd st.	\$5 00		1
Sturtevant, Broadway and 28th st.	2 50		¾

Visiting members may have rooms reserved at any of the above hotels by applying direct, or through the chairman of the hotel committee, S. S. Butterfield, P. O. Box 1697, New York, specifying grade of accommodation desired.

NEW CROP PANSY SEED.

Vaughan's International Mixture.

This mixture is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. It has been made up and sold by us for ten years, and has been improved upon every year, until now it cannot be beaten. Every florist knows Vaughan's International Mixture. Price, per oz., \$10.00; 1/8 oz., \$1.50; trade packet, 50c.

Vaughan's Giant Mixture.

This mixture is made up specially for those whose trade demands large flowers. It contains all the separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and other special strains which cannot be had any other way. Price per oz., \$4.00; 1/8-oz., 60c; trade packet, 25c.

GIANT TRIMARDEAU.—Mixed, per oz., \$1.00; 1/8 oz., 20c; trade packet, 10c.

CHICAGO PARKS BEDDING.—Mixed, per oz., \$1.00. 1/4 oz., 30c; trade packet, 10c.

Send for our "BOOK FOR FLORISTS" for list of separate colors of pansies.

MIGNONETTE "BISMARCK".—Our Machel has a very good reputation, and is the best strain in existence. This new sort is an improvement on it, both in color and size of flower, and we want every florist to try it. Pkt. 15c.; 1/4 oz. 50c.

NEW CROP.

CYCLAMEN PERSICUM GIGANTEUM.—This seed is grown for us by an expert in Europe. We have taken his entire crop for the past four years, and find it to be the finest strain we have ever seen. 100 seeds, 1000 seeds.

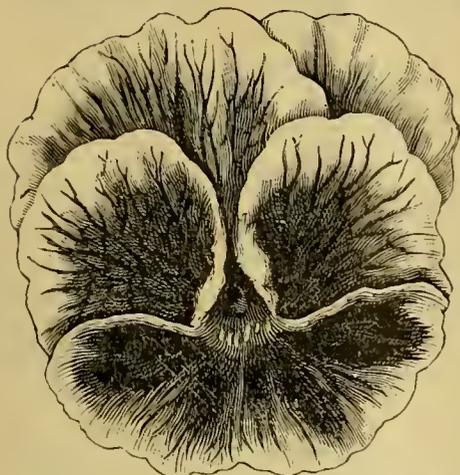
GIGANTEUM ALBUM.—Mont Blanc, pure white..... .75 \$5.00

DEEP CRIMSON.—Very large..... .75 5.00

ROSA VON MARIENTHAL.—Splendid pink..... .75 5.00

WHITE, CARMINE EYE..... .75 5.00

GIANT FLOWERED SORTS.—Best mixed..... 1/8 oz., \$1.50; .50 4.50



ASPARAGUS SPRENGERII.—50c per 100; \$4.50 per 1000 seeds.

SMILAX.—New crop, trade pkt., 10c; oz., 30c.

CHICAGO, 84-86 RANDOLPH STREET. VAUGHAN'S SEED STORE, NEW YORK, 14 BARCLAY STREET.

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

WRITE FOR SPECIAL QUOTATIONS ON WIRE WORK DURING SUMMER MONTHS.

42 and 44 E. Randolph St., CHICAGO.

They are Fine; None better. We offer if unsold on receipt of order.

2100 Bridesmaid.....in 4 -in. pots	100	1000
1000 "....." 3 1/2 "	\$4.00	\$35.00
1720 "....." 3 "	3.00	25.00
500 "....." 2 "	2.00	20.00
300 Brides....." 4 "	4.00	35.00
200 "....." 3 1/2 "	4.00	35.00
3500 "....." 3 "	3.00	25.00
1200 "....." 2 "	2.00	20.00
3000 Meteors....." 3 "	2.50	25.00

500 Mme. Chatenay...in 4 -in. pots	100	1000
100 "....." 2 "	2.00	
125 Mme. Cusine....." 4 "	3.50	
250 Lady Dorothea...." 4 "	4.00	
150 "....." 2 1/2 "	2.50	
2000 Golden Gate....." 2 1/2 "	2.50	25.00
700 Maid of Honor...." 4 "	3.00	
700 "....." 2 1/2 "	2.00	

5000 Brides and Maids in 3 and 4-in pots. These are carried over stock; they are good. We offer them at \$12.00 per 1000.

Latania Borbonica.....3-in. pots	\$12.00 per 100
Areca Lutescens.....4 "	20.00 "
Cocos Weddelliana.....3 "	12.00 "
Asparagus Sprengerii...6 "	25.00 "
"....." 4 "	8.00 "
"....." 3 "	6.00 "
"....." 2 "	3.00 "

Ficus Elastica, 6-in. pots.....75c to \$1.50 each.
Boston Fern, 8-in. pots....\$25.00 to \$35.00 per 100
Plants are vigorous and unusually fine. Will be carefully packed, and we guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

THE Gardeners' Chronicle.

A Weekly Illustrated Journal.
ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, \$4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—

41 Wallington St., Coven Garden, London, England.

Carnations SURPLUS STOCK

Field Grown, Heavy and Stocky.

TRIUMPH, MRS. JOOST, ARGYLE, MELBA, GLACIER, FLORA HILL, \$5.00 PER HUNDRED

JOY & SON, Nashville, Tenn.

Always mention the.....

American Florist

when writing advertisers.

ASSORTED FERNS,
In flats, ready for potting, \$2.00 per flat.

BOSTON FERNS,
Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$20.00-\$25.00 per 100. Also five plants in 5 6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100, \$4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, \$8.00 per 100.
Asparagus Sprengerii, 2-in., \$6.00 per 100.
Kentia Belmoreana, 2 1/2-in. pots, \$10.00 per 100; 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00.

Send for Particulars.

BOBBINK & ATKINS
RUTHERFORD, N. J.

100,000 FERNS IN FLATS - - -

At One Cent.

Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Peris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginellas, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

Geranium America...

The QUEEN of all Geraniums. Come and see. 3000 plants in full bloom. Good, strong stock plants from 4-inch pots,

\$2.50 per doz., \$20.00 per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

AGALYPHA SANDERI

2 1/2-inch pots, \$8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY, West Grove, Pa.

Cold Storage for Bulbs.

ED. AM. FLORIST:—Please inform me of the best way to build a cold storage house for bulbs. INQUIRER.

I regret to say that I am not able to answer above query, as I have no cold storage house for my bulbs, but put them outside in the old fashioned way. I have a piece of ground convenient to the greenhouses plowed and harrowed and then make beds about six feet wide and about six feet deep by throwing the soil out on each side. The beds are then filled with flat boxes containing compost into which the bulbs are planted, and then the fine soil that was removed to make the beds is put back over the bulbs. They are then given a thorough soaking with water to keep them moist, but before they are watered the beds are also covered with a few inches of hay. Nothing more is done to the beds until the latter part of November or the fore part of December, when more covering is added, to prevent the bulbs being frosted. A. N. PIERSON.

A question, practically the same as above, was asked at the Providence, R. I., convention of the Society of American Florists, August, 1897, to which Wm. Scott, of Buffalo, N. Y., replied as follows: "I cannot by any means be considered a very large grower of bulbs. I am forcing possibly 50,000 or 60,000 tulips and hyacinths in a year. Living, as I do, in a northern climate, that of Buffalo, where it is liable to freeze as hard almost as anywhere, I have never found a better storage house than out-of-doors. Dutch hyacinths, I consider, should be in a cold frame, and I like them to be covered with glass and on a dry bottom so that they may not get soaked with the rain. Tulips I have tried in a cellar, but I have never found them as successful as those I have boxed, put on the surface of the ground in boxes. We cover them with two inches of earth, after thorough watering, and leave them in that position until severe weather is due. We then cover them with five or six inches of litter or manure from the stable, or some such material, or leaves; and with the help of the snow we do not find any difficulty in getting them in. I have found that the quality of the flowers that are forced is so much superior to those that have been in a root house or a cellar that it pays to adopt the plan, even if it is a little labor to get in the boxes. Sometimes, however, the manure in the soil that covers the bulbs is frozen, but the manure you can always get off; and if you have to take into your greenhouse for twenty-four hours the two or three inches of soil that covers them, until it is melted, it even pays then. My idea of a root house or bulb house would be a common frame building, and I thought once of constructing one. I would have the sides so that they would be perfectly open and would have the air coming in until the very last moment when hard winter set in. That would be my idea of a bulb house. But you will find that the rain we get, the natural element outside, is so beneficial to the bulbs that they are gaining strength all the time. It is a natural condition for them to be frozen. Where do you put a tulip bulb? If you plant it in November to look beautiful in the flower garden in May, where is it? Why, out in the flower garden to be frozen hard, and that is where your forcing bulbs should be. So that, to answer this question, so far as my opinion is concerned, I say I would build no root house at all, but would have half an acre of good open ground."

25,000 Carnations 25,000

FIELD GROWN PLANTS OF THE FOLLOWING VARIETIES:

15,000 Flora Hill.....	\$ 5.00 per 100	2,000 Eldorado.....	4.00 per 100
4,000 White Cloud.....	8.00 "	1,000 Wm. Scott.....	4.00 "
1,000 Mrs. Bradt.....	10.00 "	1,000 Daybreak.....	5.00 "
1,000 G. H. Crane.....	10.00 "	500 Emily Pierson.....	4.00 "
1,000 McGowan.....	4.00 "		

These Plants are all in first-class condition, good size and healthy stock. Write me if you are in need of a large quantity.

CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

A Rose Bargain.

We offer the following price inducement to clear the balance of our stock at once:

- 5000 METEORS, Extra fine;
- 4000 BRIDES, Up to our usual grade.

All 2 1/2-inch Stock, \$20 per 1000, \$135 for the lot. Speak quick if you want them all.

J. A. BUDLONG,
37-39 Randolph St.,
CHICAGO.....

Please mention the American Florist when writing.

Field Grown CARNATIONS

Orders booked now for fall delivery.
GEO. HANCOCK & SON, Grand Haven, Mich.

ROSES

	2 1/2-inch.	3-inch.
	Per 100	Per 1000
Brides.....	\$3.00	\$25.00
Maids.....	3.00	25.00
Cloth. Souperl....	3.00	25.00
Meteor.....	3.00	25.00
Am. Beauty.....	.....	.....

	Per 100	Per 1000
Mixed Jardinere Ferns, mostly pteris varieties.....	\$3.00	\$25.00
Asparagus Sprengerii, 2 1/2-in. Plumosus.....	4.00	35.00
Adiantum Farleyense, fine stock, 6-in. pots, 50c each	6.00	55.00
Smilax, 3-inch.....	.....	\$ 4.00
Dracæna Terminalis, 4-inch.....	.....	15.00
Phœnix Canariensis, elegant stock, 4 1/4 to 5-inch	.....	20.00
Chamærops Excelsa, 5-inch	.....	25.00
		20.00

J. B. HEISS,
The Exotic Nurseries,
DAYTON, O.

Rose Plants.

First class, healthy plants. To close out we quote the following low prices:
500 Beauties..... 3-inch, \$4.00 per 100
1000 Perles..... 3 " 3.00 "
1000 Meteors..... 3 " 3.00 "
800 Bridesmaids..... 3 " 3.00 "
400 Brides..... 3 " 3.00 "
A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago.

ELECTROS

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock. Our collection includes the leading

- ANNUALS
- BIENNIALS
- HARDY PERENNIALS
- POT PLANTS
- FLORISTS' FLOWERS
- TREES AND SHRUBS
- Also PARK AND GARDEN SCENERY.

PRICE FOR CASH ONLY 15 CENTS PER SQUARE INCH

THE AMERICAN FLORIST CO.

.....324 Dearborn Street, CHICAGO, ILL.

Roses for Florists

OUR Rose Plants are all grown for the trade. We do not grow cut flowers. Such plants, we claim, are well worth more money than ordinary surplus stock.

Our Roses are all shifted from 2-inch pots and equal to most stock usually sold as 3-inch.

	2½-in., per 100	3½-in., per 100
American Beauty.....	\$6.00	\$12.00
Brides.....	3.00	8.00
Bridesmaids.....	3.00	8.00
Perles.....	3.50	9.00
Kaiserin.....	4.00	10.00
Meteor.....	3.00	7.00
Wootton.....	5.00	
Golden Gate, 2-in.....	3.00	
Sunset.....	4.00	10.00

Bedding Roses, in 2-in. pots, strong stock, in variety, \$2.50 per 100, \$20 per 1000.

Vaughan's Seed Store,

CHICAGO, NEW YORK,
84-86 Randolph St. 14 Barclay St.

60,000 FIELD-GROWN Carnation Plants

Argyle,	Flora Hill,
Pingree,	Triumph,
Tidal Wave,	Scott,
Evelina,	McGowan,
Gold Nugget,	Armazindy,

Per 100 \$4.00; per 1000 \$35.00.

ROSE PLANTS.

METEOR }
BRIDESMAID } From 2½ and 3-in. pots,
BRIDE } Per 100, \$3.00; 1000, \$25.00.

AMERICAN BEAUTY, 3-inch pots, per 100, \$5.00; per 1000, \$45.00.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO,

ROSES

Bride and Bridesmaid, strong 3-in., \$5.00 per 100.

VIOLETS

Marie Louise, strong field grown, \$2.50 per 100.

CARNATIONS

From field; Scott, Meteor, Victor, Mrs. Jas. Dean, White Cloud, Flora Hill, etc., at market prices.

E. M. & H. N. HOFFMAN, Elmira, N. Y.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA.

We like to have you tell our advertisers that you read our paper

10,000 American Beauty Plants,

FINE STOCK, FROM 3-IN. POTS,

\$5.00 per 100 * \$40.00 per 1000.

	Per 100	Per 1000
Kaiserin, 3-inch pots.....	\$4.00	\$35.00
Golden Gate, 2½-inch pots.....	4.00	35.00
Bridesmaid, Perle, Meteor, 3-inch pots.....	4.00	35.00

PETER REINBERG, 51 Wabash Ave.,
.....CHICAGO.

FIRST QUALITY FORGING ROSES.

REDUCED PRICES
TO CLOSE OUT.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

AMERICAN BEAUTY, METEOR, KAISERIN, SAFRANO, BRIDESMAID, BON SILENE, PERLES, MAID OF HONOR, BRIDE.
3-inch pots, \$5.00 per 100. 4-inch pots, \$8.00 per 100.

GRAFTED ROSES. Maid of Honor, Golden Gate, 3½-inch pots, \$15.00 per 100. Liberty, 4-inch pots, \$8.00 per dozen, fifty plants for \$24.00.

J. L. DILLON, BLOOMSBURG, PA.

STRONG SELECT 3-INCH ROSES.

	Per 100	Per 1000
10,000 MAIDS and BRIDES.....	\$4.00	\$35.00
3,000 PERLES, extra good.....	5.00	45.00
400 BEAUTIES.....	5.00	

In growing condition; sure to give you satisfaction and make you money.

W. H. GULLETT & SONS, Rose Growers, LINCOLN, ILL.

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100 MAID, BRIDE, PERLE, 3½-inch, \$8.00; 4-inch, \$10.00. Also SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, GRAFTED BRIDE, \$20.00 per 100, large 4-in. ASPARAGUS PLUMOSUS, all sizes. MARIE LOUISE VIOLETS, SMILAX.

A. S. MacBEAN, LAKEWOOD, N. J.

Carnations...

Plant them early. Extra strong, healthy plants READY NOW, of the following standard sorts:

Mrs. Bredt, Mary Wood, White Cloud, Triumph, Daybreak, Scott, Meyer Pingree, Jubilee, Flora Hill, Empress, \$5.00 per 100; \$40.00 per 1000.

LAMPRECHT BROS., Ashland, O.

TO CLOSE OUT.

500 American Beauties 2½-in., \$5.00 per 100, or \$20.00 for the 500.

2000 Kaiserin, 2000 Golden Gate, 2000 Bridesmaid, 1000 Meteor, 500 Garrett, 500 Bride, 500 Perle, 500 Mermet, 3 and 3½-in., \$3.00 per 100, or \$25.00 per 1000.

These are Fine Plants. Cash With Order.

MRS. J. W. CROUCH, Chattanooga, Tenn.

ROSES

CLEAN, HEALTHY PLANTS, FROM 3-INCH POTS.

American Beauty and Kaiserin..... \$5.00 per 100
Perle and LaFrance..... 5.00 "
Meteor, Albany, Sunset, Golden Gate, Bride, Bridesmaid, Wootton..... 4.00 "
Perle, Sunset, LaFrance, Bride, Bridesmaid, Meteor, Kaiserin and Golden Gate, from 2-inch pots..... 2.50 "
JOSEPH HEINL, Jacksonville, Ill.

Surplus Stock Roses.

175 PERLES
250 BRIDES
300 MAIDS
100 METEORS

First-Class,
Strong 3-inch,
\$4 per 100.

LEROY L. LAMBORN, Alliance, O.

MIGNONETTE.

Allen's Deliance, seed from selected spikes, 2c per pkt., \$1.00 per ounce.

J. C. SCHMIDT, BRISTOL, PA.

Meteor Roses

METEOR, 3½-inch pots..... Per 100 Per 1000
\$4.00 \$37.50

Potted and repotted four times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, Chicago, Ill.

WE STILL HAVE TO CLOSE OUT Cheap

2500 Maids, 2½-in., 500 La France, 2½-in.,
1000 Perles, 2½-in., 1000 Meteors, 3-in.,
500 Am. Beauties, 2½-in., 500 Kaiserin, 2-in.

Boston Ferns now ready for 5 and 6-in. pots.

WRITE FOR PRICES. Geo. A. Kuhl, Pekin, Ill.

ROSES



1800 Brides, } 3-in., \$4 per 100
300 Maids, }

CASH WITH ORDER, PLEASE.

ALBERT F. AMLING, Maywood, Ill.

CARNATIONS!

F. Dorner & Sons Co.,

LA FAYETTE, IND.

Please mention the American Florist when writing.

BOSTON FERN ...A...

L. H. FOSTER, 45 King St., Dorchester, Mass.

Water Tank and Boiler.

ED. AM. FLORIST:— Will a tank 6x8 feet, elevated twenty feet, supply water power sufficient to syringe roses? What size of pipe should be used to conduct water to faucet? We use a No. 16 Hitchings hot water boiler, and would like to know the best method of heating the water in tank from same to 50°? The tank is in a barn forty feet distant from boiler. Would also like to know whether this boiler will maintain a temperature of 50° to 60° in two houses 25x90 feet.

SUBSCRIBER.

If the bottom of the tank is twenty feet above the floor of the greenhouse, the pressure will answer for syringing, although an elevation of fifteen or twenty feet more would give a much better pressure. One-inch pipe is desirable for distributing the water, but in small houses 3/4-inch answers very well. The pipe leading from the tank should be at least 1-inch, and if more than two lines of hose are to be used at one time, it will be well to make it 1 1/4-inch. The simplest method of taking the chill from the water is to draw a small amount from the heating pipes. Use the water tank as the expansion pipe, connecting it to a return near the heater. If there is any danger that the tank or connecting pipe will freeze a vent pipe should be run from one of the flow pipes to a height above the top of the tank. Connection should then be made between the cold water pipes and one of the flow hot water pipes and, by means of valves upon both pipes, the temperature can be controlled the same as for a bath tub. Of course, heating pipes could be run to the tank or a water heater could be placed in the greenhouse. To heat the houses to 60°, a boiler should be rated for about 2400 square feet of radiation. This is about one-third more than the actual radiation.

L. R. T.

Petosky, Mich.

The weather has been very warm for this section, 84° in shade for four days, and the resorters are complaining about the warmth. A week ago it was the reverse, but the human family is never satisfied. However, our sweet peas, which are our main summer crop, are fine these warm days. Although they were two weeks behind time in blooming on account of the rains, they cannot now be beaten; stems fourteen to sixteen inches long, three and four blooms on a stem, and our muck soil produces the most gorgeous colors in the country. The resorters are shipping boxes of them daily to friends at home in almost every state in the Union. S. J. Long has four houses now, having just finished a new one 18x90. Mr. Long is ill at present with nervous prostration, and Mrs. Long is kept busy these days.

PROVIDENCE, R. I.—The annual exhibition of the Rhode Island Horticultural Society has been scheduled for September 18 to 20 and the chrysanthemum show for November 14 to 16. Prizes in the two exhibitions aggregate about \$600.

...FOR SALE...

1000 SPRENGERII PLANTS, 2 1/2-inch pots, very nice, bushy plants, at \$1.00 per 100. Also 2000 SMILAX, 2-inch pots, at \$1.00 per 100. Cash with order, or will exchange for Palms, such as Latania and Kentia Belmoreana.

E. J. BOLANZ & Akron, O.

Please mention the American Florist when writing.

BUY NOW PROPAGATING STOCK for Next Year.

	In pots	Doz.	100
New Hibiscus, Peachblow, double pink flowers.....	2 1/2	\$1.00	\$8.00
New Ageratum, Stella Gurney, dwarf blue.....	2 1/2	.75	5.00
New Salvia, St. Louis, extra large flower spikes.....	2 1/2	.75	5.00
New Silver-Leaved Geranium, Wm. Langguth, dbl. red flower, 2 1/2		1.50	10.00
Acalypha Sanderi chenille plant) 3		1.00	6.00
New Rose, Evergreen Gem, strong, 2		1.00	8.00
New Rambler Rose, Helene.....	2 1/2	1.00	8.00

BOSTON FERNS. We have the largest and finest stock in the West. All well-grown, bushy plants in all sizes. Write for prices.

Vaughan's Seed Store,
CHICAGO, NEW YORK,
84-86 Randolph St. 14 Barclay St.

GOOD ROSES

NOT SURPLUS.

10,000 Maids, Brides and Meteors, large, strong 3-in. stock, \$4.00 per 100. Very choice Perles, \$5.00 per 100. This stock is worth more money, and is large enough for late planting.

W. H. GULLETT & SONS, Lincoln, Illinois.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

Edward B. Jackson,
WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

New York Convention Number,
Of the AMERICAN FLORIST, AUG. 18.

It Will Be a Winner.
Send In your Advertisement NOW.

Orchids!

Arrived fresh from the woods in fine condition: Lælia anceps, L. autumnalis, L. Crispa, L. flava, L. grandis tenebrosa, L. Perrinii, Oncidium Varicosum Rogersii, Cattleya Percivaliana and C. Mossiae.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Please mention the American Florist when writing.

NOVELTIES IN PLANTS
That Can't Be Had Elsewhere.

Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Biddiellas, New Deutzias, Mr. Peter Barr's New White Lupin, The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Fern. Send for Catalogue of Novelties. Always in quantity—Asparagus Sprengeri, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices.

A. BLANC & CO., Philadelphia, Pa.

Imperial Violets,
Longest stems, largest flowers, darkest in color. All stock, fine large plants, \$5.00 per 100, \$45.00 per 1000.

M. LOUISE, LADY CAMPBELL,
\$2.50 per 100, or \$20.00 per 1000.
CASH WITH ORDER, PLEASE.

VAN AKEN BROS., Coldwater, Mich.

Chrysanthemums.

Now is the time to plant them. We offer extra fine, vigorous plants from 2 and 2 1/2-in. pots. Everybody likes them. They are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list:

EARLY.	Per 100	MIDSEASON.	Per 100
Ivory.....	\$3.00	Major Bonnaffon.....	\$3.00
M. Henderson.....	3.00	Wm. Simpson.....	3.00
Geo. S. Kalb.....	3.00	V. Morel.....	3.00
Merry Monarch.....	3.00	G. W. Childs.....	4.00
Willowbrook.....	4.00	H. W. Longfellow.....	3.00
M. de Montmort.....	3.00	Mrs. Murdock.....	3.00
Mrs. J. Whildin.....	3.00	Mrs. T. L. Park.....	6.00
John K. Shaw.....	5.00	Black Hawk.....	4.00
Golden Trophy.....	3.00	Mrs. C. H. Pierce.....	3.00
Glory of the Pacific.....	3.00	Mrs. H. Robinson.....	3.00
		Niveus.....	3.00
LATE.	Per 100	LATE.	Per 100
Mrs. J. Jones.....	\$4.00	Nagoya.....	6.00
Liberty.....	4.00	Xeno.....	6.00
Merry Xmas.....	4.00	Adula.....	3.00
Autumn Glory.....	3.00	Harry Balsey.....	3.00
E. Daillodouze.....	4.00	Mrs. Beer.....	8.00
Golden Wedding.....	4.00		

In addition to the above we have a large list of new and other leading standard sorts. Send for complete list.

H. WEBER & SONS, Oakland, Md.

Please mention the American Florist when writing.

Die Bindekunst

Einzig Special Zeitschrift der Welt für BLUMENBINDEREI.

Probennummern umsonst.
Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,
ERFURT, DEUTSCHLAND.

CHRYSANTHEMUMS. Nice, thrifty plants for planting, \$2 per 100; 25 at 100 rate. Mme. Bergmann, Golden Hair, Niveus, Mrs. L. C. Madeira, Pres. Smith, Mrs. Jerome Jones, Harry May, Ivory, Pink Ivory, Yellow Fellow, Vivand-Morel, Wansmaker, Harry Hurrell, Yanoma, Glory of the Pacific, W. H. Lincoln, Domination, Evangeline, Helen Bloodgood, Golden Wedding, Mrs. H. Robinson, White Swan, Autumn Glory, Queen, Eugene Daillodouze, Clara Goodman, Lady Fitz, Merry Christmas. Cash with order or satisfactory reference. JOHN J. ARNOLD, Homer, N. Y.

Please mention the American Florist when writing.

10,000 Chrysanthemums.

Thrifty, young plants, from 2 1/4-in. pots. To close out, \$2.50 per 100; \$20.00 per 1000. List of varieties on application.

Nathan Smith & Son, Adrian, Mich.
Please mention the American Florist when writing.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs. . . . \$2.00 Per Year. Sample Copies Free. Liberal terms to florists who take subscriptions.
THE GARDENING CO. Monon Bldg. CHICAGO.

THE EMERSON PATENT BINDER
Price postpaid 75 CENTS.
Address American Florist Co. CHICAGO.

Showing the appearance of the Binder when quite full of THE American Florist. Every subscriber should have one.

(COPYRIGHTED)

Sago Palms!

Fine Plants in all sizes. Well grown, and perfect leaves. One of the best summer and fall plants for retailing. They run from five to twelve leaves, in small size pots that can be shifted and save freight

5 to 7 leaves, \$ 6.00 per dozen.
7 to 9 leaves, 9.00 per dozen.
9 to 12 leaves, 15.00 per dozen.

Can be sent safely by freight. Cash please. Satisfaction guaranteed.

Cyperus Alternifolius,
3-inch, fine well-grown.
\$5.00 per 100.

Jasmine Grandiflora,
Very fine for cut flowers—always in bloom—4-in. pots, strong plants, \$1.50 per dozen.

CRITCHELL'S,
CINCINNATI, O.

Boston Ferns.

FINE PLANTS

From bench, ready for 6 in. pots, \$3.00 per doz.
From 2-in. pots, \$4.00 per 100.

CAREFULLY PACKED.

DAVIS BROTHERS,
MORRISON, ILL.

VINCA.... For Fall Delivery
VARIEGATA Two Sizes.
....VINES Prices on Application.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

JOSEPH HEACOCK,
WYNGOTE, PA.

GROWER ...OF... ARECA LUTESCENS, KENTIA BELMOREANA, PHOENIX RUPICOLA.

Asparagus Plumosus
Fine 3-in. Stock, \$5.00 per hundred.

==Smilax==

Fine 3-in. Stock, \$2.50 per hundred.

CASH WITH ORDER PLEASE.

VAN WERT GREENHOUSES,
.....VAN WERT, OHIO.

VIOLETS From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, \$2.50 per 100, \$20 per 1000. New Imperial, \$3 per 100, \$25 per 1000.

ROSES, fine plants of Meteor and Perle, from 3-in. pots, at \$3 per 100, or \$25 per 1000; also 3-inch Brides and Maids same price.

300 hushy **SMILAX PLANTS** at \$1.50 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz.
GERANIUMS, S. A. Nutt and others, 3-in., \$4 per 100.
NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.

ASPARAGUS PLUMOSUS, 2½-in., \$5 per 100, \$40 per 1000. **ASPARAGUS SPRENGERII,** 2½-inch, \$4.00 per 100; \$30.00 per 1000.

SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. **Carl Hagenburger,** W. Mentor Ohio.

PRIMROSES.

IMPROVED CHINESE, ready for 3-inch pots. Well known throughout the United States and Canada as the finest large flowering fringed varieties grown. **SINGLES,** named, \$2.00 per 100, \$17.00 per 1000; **DOUBLE,** named, \$3.50 per 100. Extras added liberally to help pay expressage. **PRIM-ROSE SEED** of best 15 varieties, single and double, mixed, 500 seeds, \$1.00; half pkt., 50c.

GIANT PANSY SEED.

The very best mammoth varieties, no finer ever offered; all the seed plants critically selected. **SOW THEM BEST.** Packet, 3500 seeds, \$1.00; half-pkt., 50c. A packet of the grand new Dwarf Forget-Me-Not "Blue Beauty" added to every seed order. Strictly cash prices.

THE HOME OF PRIMROSES.

JOHN F. RUPP, Shiremanstown, Pa.

NEW YORK CONVENTION NUMBER.....

Of the American Florist,
August 18.

It Will Be a Winner.
Send Your Advertisement NOW.

BOSTON FERNS ...A SPECIALTY.

N. EXALTATA BOSTONIENSIS, small plants, \$5.00 per 100 or \$40.00 per thousand; large plants, \$6.00 to \$8.00 per hundred; taken from the bench.

ARAUCARIA EXCELSA, 14 to 16-in. high, 4 to 5 tiers, 6-in. pots, \$1.00 and \$1.25 each; 20 to 24-in. high, 5 to 6 tiers, 6-in. pots, \$1.50 each. Larger size \$2.00 and \$2.50 each.

RUBBER PLANTS, 12 to 15-in. high, \$4.00 per doz.; 20 to 24-in. high, \$6.00 per doz.

WM. A. BOCK, N. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

Please mention the American Florist when writing.

Per 100

ASPARAGUS PLUMOSUS NANUS,
Fine young plants.....\$5.00

BEGONIA REX,
Strong, 3-inch pot plants, in good assortment..... 6.00

CYPERUS ALTERNIFOLIUS,
2½-inch pots..... 3.00

CYCLAMEN,
Dry bulbs, finest strain, mixed..... 6.00

CAREX JAPONICA VARIEGATA,
An excellent decorative grass. Extra strong plants from 2½ pots..... 5.00

NEPHROLEPIS CORDIFOLIA,
2½-inch pots..... 3.00

SMILAX, Field-grown, strong clumps..... 3.00
Extra heavy..... 5.00

NATHAN SMITH & SON, Adrian Mich.

225

Extra fine **Asparagus Plumosus Nanus,** from 3-inch pots, \$6.50 per 100.

80 Asparagus tenuissimus, fine bushy 3 inch specimens at \$5.00 per 100.

260 Ageratum Stella Gurney, bushy 2½-in. plants, full of healthy cuttings, \$3.00 per 100.

400 Smilax ready for planting, from 2-in. pots, 60c. per 100. Satisfaction or Money Back.

J. T. ELLIS, Box 340, Griffin, Ga.

1500 N. Cordata Compacta,

In 2-in. Pots, Strong Plants, at \$3.00 per Hundred.

Also Strong Plants from Bench, at \$2.00 per Hundred.

CHAS. SCHWEIGERT, Niles Center, Ill.

Remember us to our advertisers.

For Ten Days Only!

100,000 plants for sale at half price and less to make room.

Rosea—20,000 strictly A1 plants, 3½ and 4-in. (big fellows), Bride, Perle, Meteor, Maid and Golden Gate, only 4c; worth 10c. The same in 2½ and 3 in., only 3c; cheap at 6c.

Smilax—15,000 double extra, guaranteed as good as you ever planted, \$1.00 per 100, \$10.00 per 1000; as many as you want.

Geraniums—10,000 Bruanti (dbl. scarlet) and S. A. Nutt, the two best selling Geraniums of the age; Rose Geraniums and 10,000 other leading bedders; strong 2½ and 3-in., only \$1.50 per 100. Bear in mind this is only the price of Rooted Cuttings, and you can't buy them for double that in a month.

Dbl. Fringed Petunia and Coleus—In superb collection. Ageratum Princess Pauline and White Lady, only 1c.

Fuchsias—Strong 4-in., \$1.00 per doz.; 2 and 2½-in., \$1.50 per 100.

Calla Bulbs—Strong 8 and 10c size for 5c.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

A Point Worth Knowing.

At the **NEW YORK HOTEL** you are but two minutes' walk from the Exhibition Building. Large, light and well-ventilated rooms, one dollar per day and upward. Popular priced Restaurant. Special rates to Florists. Write early for accommodations.

E. H. NIES, Mgr.

THE MURRAY HILL HOTEL

Park Ave., 40th and 41st Sts.,

NEW YORK.

One block from Grand Central Station.

Two blocks from the S. A. F. Convention Hall.

AMERICAN AND EUROPEAN PLAN.

Coollest Hotel in the city, at special rates for S. A. F. Members.

Baggage transferred to and from Grand Central Station **FREE OF CHARGE.**

Herr's == ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment.

Plants only, and ready October 1st to January 1st.

FREE BY MAIL,

75c per 100, 250 for \$1.50; 500 for \$2.50.

By Express at Your Expense \$4 per 1000.

ALBERT M. HERR
LANCASTER, PA.

Peoria.

DOINGS IN THE SECOND CITY OF ILLINOIS.
—GROWERS HAVE THINGS IN GOOD
SHAPE.—RETAILERS BUNCHED.

J. C. Murray has his new houses finished and planted. There are two structures, 25x100 mostly in American Beauties, and one house, particularly, is very good. Of tea roses there are two houses 20x100, all in charge of O. M. Bourdy, formerly with the South Park Floral Co., of New Castle. Mr. Murray has 10,000 carnation plants which he is beginning to bench. Genevieve Lord is very early, the plants are full size and flowering freely.

Geo. A. Kuhl has moved across the street and Murray is now at 403 Main street, so that all the retail stores are in one block and on the same side of the street, which is not only neighborly but enlivening.

Cole Brothers have everything in excellent form about their place, but particularly Nelson Cole's race horse, which recently added a purse of \$500 to his numerous winnings.

Trade is dull, as is usual in August, and the material is of the ordinary summer character. There are some lilies and a few good roses. PEORIAN.

New Haven.

TRADE CONFINED TO FUNERAL WORK.—
LITTLE MATERIAL AVAILABLE.—
JOTINGS.

Trade has been rather quiet here for the last two weeks, except for a few small funeral orders, which is all that is expected for the next six weeks. Roses, both Brides and Bridesmaids, are very small and of poor color. Carnations are scarce and sweet peas were badly burned during the dry spell, so that all we are receiving is a few early asters. Pierson, of Cromwell, sent in some very fine Liberty buds during July.

Joe Hoogkirk, clerk for S. H. Moore, has returned from Litchfield, where he spent two weeks' vacation.

Everyone is talking of the S. A. F. convention and there should be a good showing from New Haven.

Fred. Horn, of Woodward avenue, is putting up a violet house 15x100.

John H. Slocombe has finished his new carnation house 28x146. G. H.

COLDWATER, MICH.—D. Vogt is making a specialty of roses and is building two houses 18x80 to accommodate increased plantings.

MADISON, N. J.—The fifth annual exhibition of the Morris County Gardeners' and Florists' Society will be held at the Assembly Rooms November 7 and 8. Schedules may be had of Secretary Chas. H. Atkins.

ADIANTUM FARLEYENSE

3-in. Pots, Ready for a Shift,

\$20.00 per 100.

WM. W. EDGAR, Waverley, Mass.

BEGONIA GLOIRE DE LORRAINE

Plants from 2-inch pots,

\$2 50 per dozen; \$17.50 per hundred.

Money Order Office,
Chestnut Hill,
Sta. H. Philadelphia.

EDWIN LONSDALE,
Wyndmoor,
Montgomery Co., Pa.

Going to the Convention



If so, your trip will not be complete without a visit to

M. RICE & CO.

LEADING FLORISTS' SUPPLY HOUSE IN AMERICA,

Who extend a CORDIAL INVITATION to ALL FLORISTS to the use of our facilities and to make our place their HEADQUARTERS while in Philadelphia.

YOURS VERY TRULY,

M. RICE & COMPANY,

No. 918 Filbert Street, PHILADELPHIA, PA.

TO CLEAN UP

5,000 Geraniums, mixed	2 1/4 in.	\$1.50
1,000 Red Veroon	2 1/4 "	1.50
1,000 Erfordi	2 1/4 "	1.50
2,000 Begonias, mixed	2 1/4 "	1.50
1,000 Fuchsias, mixed	2 1/4 "	1.50
2,000 Salvias	2 1/4 "	1.50

The Morris Floral Co., MORRIS, ILL.

Asparagus Plumosus Nanus.

TRANSPLANTED seedling plants for July and August delivery, ready for 2 1/4-in. pots, at \$3.00 per 100, \$25.00 per 1000; 500 at thousand rates, (free delivery).

CASH WITH ORDER, PLEASE.

R. ASMUS, New Durham, N. J.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

500,000 Celery Plants

Strong transplanted plants 25c a 100, \$2 a 1000; by mail 10 per cent more. W. Plume, G. Pascal, B. Market, Golden S. Blanching and Dwarf Red. Write for price on large lots. Do not confound these plants with cheap ones pulled up where they were sown. Try some of ours and see the difference. Good seedlings, 2 in. high, 25c a 1000. CASH PLEASE. Samples 10c.

R. KILBOURN, Clinton, N. Y.

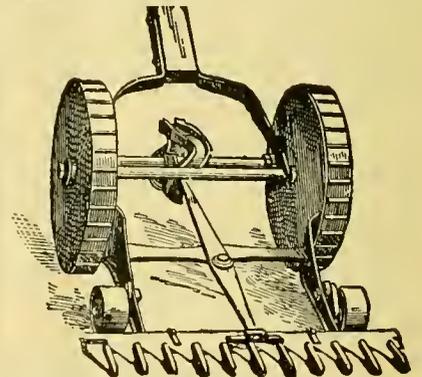
Beauties. Sprengerii.

AM. BEAUTY ROSES, good, 3-inch, \$6.00 per 100.
ASPARAGUS SPRENGERII, strong plants, ready for 3-inch pots, \$5.00 per 100, \$45.00 per 1000.

Robert F. Tesson, West Forest Park, St. Louis, Mo.

THE MOWER

THAT will KILL ALL THE WEEDS IN YOUR LAWNS. If you keep the weeds out so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. The Clipper will do it. Send for circulars and prices.



CLIPPER LAWN MOWER CO., Norristown, Pa.

CELERY AND CABBAGE.

CELERY. Pick Plume and New Rose (extra strong), Giant Pascal, Boston Market, White Plume and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Drumhead Savoy and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

KALE Dwarf, Green, Curled, Scotch, same price as Cabbage. If any of the above plants by mail, add 10c per 100.

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

KIFT'S PATENT Adjustable Vase Holders

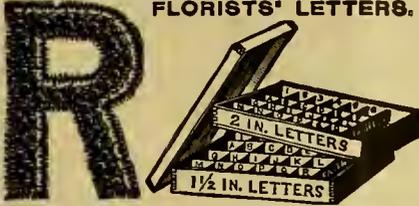
No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vase) \$2.50. No. 2.—Heavy 4 ft. rod braesed and nickled. With three clasps for 5 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

JOSEPH KIFT & SON, Florists, 1725 Chestnut St. Philadelphia, Penn.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

H. BAYERSDORFER & CO.

Cyos Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

Raw Cycas Leaves.

See last week's Florist for prices, etc.

UVA GRASSES, undyed,\$6.50 per 100
BIRCH BARK for plant boxes,7c per lb.
GALAX LEAVES, new crop,75c per 1000

All kinds of PALM LEAVES, already prepared or dried for preparing purposes.

FLORIDA NATURAL PRODUCTS CO.,

P. O. Box 273, Indianapolis, Ind.

Sigmund Geller, Importer, Jobber and Manufacturer of

Italian Bleached Wheat, Rush and Braids for American Manufacture.

Metal Goods, Moss-Wreaths, Cape Flowers, Immortelles, Chenille, Tinfoil, Doves, Baskets, Sheaves, Vases, Jardinieres, Fernishes, Novelties, etc.

108 W. 28th St., near 6th Ave., NEW YORK.

HEADQUARTERS FOR

COCOA FIBRE, SPHAGNUM and SHEEP MANURE, GREEN MOSS, BONE all grades, RUSTIC WORK, all kinds, IMPORTED SOOT, CLAY'S FERTILIZER.

DUNNE & CO., 34 West New York.

HORTICULTURAL SUPPLIES.

THE Regan Printing House

NURSERY SEED FLORISTS CATALOGUES

87-91 Plymouth Place,

CHICAGO

It Will be a Winner!

NEW YORK CONVENTION NUMBER

OF THE AMERICAN FLORIST, AUGUST 18.

Send Your Advertisement NOW.

PURE RAW BONE MEAL

Put up especially for our trade. For Roses and Carnations nothing equals it. Use it on Chrysanthemums and you will win the prize at your flower show for the best bloom. 10 pounds, 40c; 25 pounds, 75c; 50 pounds, \$1.25; 100 pounds, \$2.00; 1 Bag, 200 pounds, \$3.75.

THE VAIL SEED CO., Indianapolis, Ind.

"PLANT CULTURE" By GEORGE W. OLIVER.

Now Ready for Delivery.

A Working Handbook of Every-day Practice for the Florist, Gardener and Nurseryman. And all who grow plants and flowers in the greenhouse or garden. Contains separate chapters on all branches of the work.

12mo. 193 Pages, Price \$1.00 by Mail Postpaid. For full description see advt. in July 28th issue of this paper, page 1572.

or send for complete circular to THE FLORISTS' EXCHANGE, P. O. Box 1697, New York.

Glass For Sale

100 Boxes 16x24 double strength "A" at \$2.50 per box.

150 Boxes 16x24 single strength "A" glass at \$2.00 per box.

125 boxes 10x12 double strength "A" at \$1.75 per box.

160 boxes 8x10 double strength "A" at \$1.60 per box.

The prices are good as long as the glass lasts. It is all well packed and will be guaranteed to be in good condition. Address

QUEEN CITY WRECKING CO.,

Front and Broadway Sts., CINCINNATI, O.

NIKOTEEN
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN - CIRCULAR FREE - SKABCURA DIP CO. CHICAGO.

Kill AND SAVE THE BLOOMS the Bugs!
QUICKLY DOES IT.

REED & KELLER,

Manufacturers of Florists' Designs.

Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A., SADDLE RIVER, N. J.

Always mention the American Florist when you order stock.

"NICOMITE"

(PATENT)

Vapor Insecticide

POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

ALL GREENHOUSE BUGS.

SOLD BY SEEDSMEN.

The Tobacco Warehousing and Trading Co., LOUISVILLE, KY.

LIQUID PLANT FOOD
For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

Möller's Deutsche Gärtner-Zeitung

The most widely circulated German gardening journals, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for \$2.50. Without spraying valve, \$2.00.

The Hose Connection Co., Kingston, R. I.

Buffalo.

WEATHER SATISFACTORY BUT TRADE IS SLOW.—GOOD REPRESENTATION ASSURED AT NEW YORK.—NOTES AND VISITORS.

With good weather and enough rain to make it pleasant, things are moving along slowly. The death of a prominent city official gave Palmer, Adams and others a good lot of funeral work for Sunday. Active preparations are being made for the journey to New York, and it will take all the silver-tongued orators of other cities combined to head off Buffalo in the effort for the S. A. F. meeting of 1901. The people want to come to Buffalo, and we want them.

The bowlers had their usual game last week and the scores were good. Other teams at New York will have to hustle as there is new wood in the Buffalo team.

Mr. and Mrs. W. F. Kasting have returned from Crystal Beach.

Mr. and Mrs. S. A. Anderson are at Muskoka Lake.

Michael Bloy is again at Wm. Scott's. Recent visitors were: E. E. Pieser, of Kennicott Bros. Co., Chicago; Mr. Meredith, of the London Floral Company, London, Ont., and Mr. Thielow, manager of the Henry A. Dreer Company, Philadelphia. W. A.

TARRYTOWN, N. Y.—At the last meeting of the Tarrytown Horticultural Society C. P. Johnstone, Wm. Hyland and Albert Griswold were elected to membership and John Boschard made a fine showing of French gladioli. Wm. Scott and James Withers addressed the society.

TEWKESBURY, MASS.—The fellow-townsmen of M. A. Patten, with their ladies, surprised Mr. and Mrs. Patten on the evening of August 3, by invading their home in a body and presenting them with an elegant silver tea service. The occasion was the twenty-fifth anniversary of the wedding of Mr. and Mrs. Patten. The affair was a complete surprise to the recipients. Every florist who knows Mr. Patten will heartily second the kind wishes extended to him and his life partner for many years of happiness and prosperity.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

STEAM COAL FOR FLORISTS.

CHICAGO, April 7th, 1900.

HULL & COMPANY, 74 and 75 Traders' Building, Chicago, Ill.,

GENTLEMEN:—In reference to my opinion of your THACKER SPLINT COAL, will say I am very well pleased with it and think it is superior to any Coal of the splint grades we have yet used. Burns free, making an intense heat with very few ashes; no clinkers, and has the lasting quality of all high-grade Coal. I certainly consider it a very economical Coal to burn.

Yours very truly, J. A. BUDLONG, Wholesale Florist.

Write us for price on single carload orders or season contract, delivered at any point in the United States. 'Phone Har. 960.

HULL & COMPANY, 74 & 75 TRADERS BUILDING, CHICAGO.

GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

LANCASTER, PA., June 17, '99. MR. THERON PARKER, Brooklyn, N. Y.:

Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900. Very Respectfully, ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.,

226 North 9th Street, BROOKLYN, N. Y.

THE MODEL ROSE STAKE Looped and Pointed.

THE MODEL PLANT STAKE for Lilies and all Pct Plants.

THE NEW Standard Ventilating Machines.



Always reliable. Self-oiling. Four Styles. All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO., YOUNGSTOWN, O.

FLOWER POTS ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE. SWAHN'S POTTERY MFG CO., P. O. Box 78, Minneapolis, Minn.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A." Oilwell Nurseries - Nettis, England.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

...The American Florist.

BUGS ON ASTERS KILLED BY USING SLUG SHOT SOLD BY SEEDSMEN

WHILLDIN POTTERY CO.
STANDARD
PHILADELPHIA-PA.

BRANCH WAREHOUSE: S. Jersey City, N. J. Long Island City, N. Y.

ESTAB. 1765
A.H. HEWES & CO.
NO. CAMBRIDGE MASS
L.I. CITY N.Y.
CATALOGUE FREE

The Bottomless Pot

Pat'd,

MORE ESPECIALLY FOR VIOLET AND CARNATION CULTURE,

ALSO

THOSE RED POTS

"Standards."

Azalea Pots, Fern Pots, Bulb Pans.

DETROIT FLOWER POT M'F'Y,

Established 1853.

DETROIT, MICH.

P. O. Address, 490 HOWARD ST.

HARRY BALSLEY, Traveling Representative.

Please mention the American Florist when writing

STANDARD FLOWER POTS!

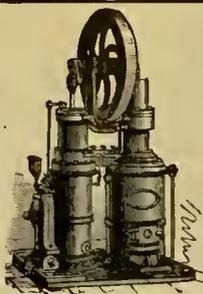
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate, \$4.88		120 7-in. pots in crate, \$4.20	
1500 2 1/2 " " " " 5.25	60 8 " " " 3.00		
1500 3 " " " 6.00	48 9 " " " 3.60		
1000 3 " " " 5.00	48 10 " " " 4.80		
800 3 1/2 " " " 5.80	24 11 " " " 3.60		
600 4 " " " 4.50	24 12 " " " 4.80		
320 5 " " " 4.51	12 14 " " " 4.80		
144 6 " " " 3.16	6 16 " " " 4.50		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR... **FORT EDWARD, N. Y.**
AUGUST BOLKER & SONS, New York Agents
52 DEW STREET NEW YORK CITY.

We've thousands of readers and hundreds of advertisers. Each helps the other.



Water Every Day in the Year for Flowers and Lawns when

RIDER or ERICSSON HOT AIR PUMPS

are used. Nearly 25,000 sold during the past twenty-five years.

Send to nearest office for Catalogue "A 3."

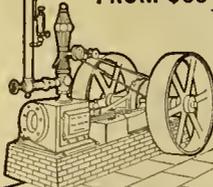
RIDER-ERICSSON ENGINE CO.

28 Cortlandt Street, New York. Teniente-Rey 71. 86 Lake Street, Chicago.
239 Franklin Street, Boston. Havana, Cuba. 40 N. 7th Street, Philadelphia.
692 Craig Street, Montreal, P. Q. 22 A. Pitt Street, Sidney, N. S. W.



MACHINERY and SUPPLIES at BARGAIN PRICES

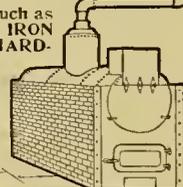
We have the largest machinery depot on earth. We secure our machinery from the various buildings and plants that we are constantly buying. We purchased The World's Fair, The Omaha Exposition, The Chicago Post-Office and numerous other noted structures. Our facilities for rebuilding machinery are unsurpassed. We cover all our sales with binding guarantees. **BOILERS FROM \$25 UP. ENGINES FROM \$35 UP. STEAM PUMPS FROM \$15 UP** - etc., etc.



We also carry a complete stock of general supplies, such as BELTING, SHAFTING, HANGERS, PULLEYS, IRON PIPE, VALVES and FITTINGS, IRON ROOFING, HARDWARE, PLUMBING MATERIAL, etc. Cut this ad, out and we will send you Free our 250 page Catalogue No. 7. We are constantly buying entire stocks at Sheriffs and Receivers Sales.

CHICAGO HOUSE WRECKING CO.

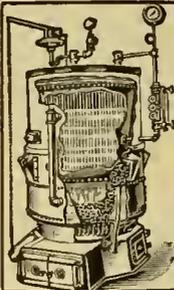
West 35th and Iron Streets, CHICAGO.



CYPRESS WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

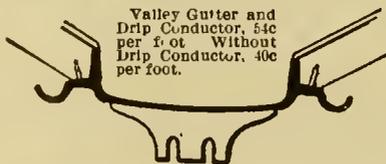


THE GORTON SIDE FEED BOILER

Is specially constructed so that it will maintain a steady fire all night without attention, which is a very important item to be considered in selecting a greenhouse boiler.

Send for Catalogue and investigate for yourself.

GORTON & LIDGERWOOD CO., 96 Liberty St., NEW YORK.



Valley Gutter and Drip Conductor, 54c per foot Without Drip Conductor, 40c per foot.

Jennings Bros., GREENHOUSE DESIGNERS & BUILDERS.

Mfrs of and dealers in Greenhouse Specialties.

Patent Iron Bench Frame Fittings, Improved Cast iron Gutters and Plates.

Send for Catalogue. **Jennings Bros.,** Olney, Philadelphia, Pa.

When writing please mention American Florist.



GEO. KELLER & SON, MANUFACTURERS OF Flower Pots.

Before buying write for prices. 361-363 Herndon Street near Wrightwood Ave., CHICAGO, ILL.

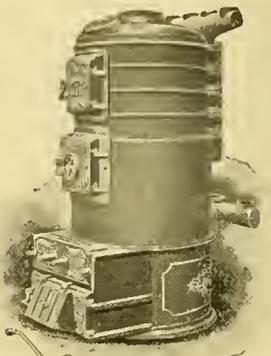
Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST, 28th and M Streets N. E. WASHINGTON, D. C.

Index to Advertisers.

Advertising Rates	32	Witt Jos & Son	48
Allen J K	37	Kilbouro R.	48
American Rose Co.	34	r schell Bros Co.	1V
Amiling Albert F.	45	Kuehn C A	36
Amman G C	35	Kuhl Geo A	46
Arnold John J.	46	Laker & Harrell	46
Asmus R	48	Laker's Rose Garden	43
Barnard W W & Co.	1	Lamb r n sroy l	45
Bart S Alfred	1	Lamprecht B.	45
Bassett & Washburn	35	Lang Judas	37
Bayerdorfer H & Co.	49	Ley John H.	43
Bentley & Co.	36	Limprecht S J.	37
Berker H H & Co.	38	Localand Lum Co.	51
Berning H O	36	Long D B	11
Biedeknat Die.	46	Lonsdale Edwin.	48
Blair A & Co.	46	Lord & Burnham Co.	1V
Bobbitt & Atkins	43	Lucas J & Co.	52
Bock Wm A	47	Lynch W B	35
Bolanz E J.	46	McCarthy & Co N F.	36
Boston Letter Co.	49	McColgan & Co Jas	49
Brant & Nee	4	McGrawden E C.	38
Brown Peter	11	McKellar & Winterson	36
Budwig J A.	35	MacBean A S	45
Bunyard H A	84	Mader Paul	41
Burpee W Atlee & Co.	11	Meyer John C & Co	11
California Nursery Co	11	Millang & Co.	37
Carmody	44	Model Plant Stake Co.	50
Chadwick Cha.	44	Muller's Gartner Zel	49
Chicago Lamination Co	36	tung	49
Chicago House Wreck-		Muninger J C Co.	51
ing Co	51	Monte n Fertilizer Co.	11
Cincinnati Cut Flo Co.	36	Moon Samuel C	49
Clark Wm A & Son.	47	Moore Wm H.	49
Clipper Lawn Mower	48	Moore, Hentz & Nash	37
Co	48	Morris Florist Co.	48
Cohen J M	56	Miss Geo M.	36
Coord & Jones Co.	43	Murphy Wm	45
Conroy John & Son.	49	Murray Hill Hotel	45
Cottage Gardens	1	Myers & Co	52
Craub & Hunter	47	New York Hotel	47
Craig Robt & Son.	47	Niessen Leo	36
Critchell's	45	N Y Cut Flower Ex.	37
Crouch Mrs J W.	45	N Y Cut Flower Co.	37
Cunningham Jos H.	41	Peacock Sam I S	36
Cunningham D O		Pierce F O Co.	1V
Glass Co	111	Polishing Cut Flo Co.	34
Davis Bros.	47	Polworth C C Co	34
Deamond J B.	33	Prince A G & Co	35
Detroit Pot Pot Wks.	51	Onaker City Wrecking	111
Dexter Lillian Allen	34	Co.	49
Dinason Co Albert.	1	Bandall A L.	35
Dietch A & Co.	1V	Baynor J L.	37
Dixon J L	45	Basd Glass & Paint Co	1
Dorner Fred & Sons Co.	41	Reed & Keller	49
Dreer H A	52	Began Printing House	49
Duane & Co	49	Beloberg Geo.	35
Eastern Chemical Co.	49	Reinberg Peter.	35
Edgar W W.	48	Reizer Walter & Co	41
Eichholz Conrad.	11	Rice W & Co	48
Elmer Henry	43	Rider-Ericsson Egg Co	51
Ellis J T.	51	Ruders Alex	11
Ernest W H	51	Rooker A & Sons	11
Ferguson John B.	36	Rose Mfg Co.	11
Finley Lawn Make Co.	52	Rupp John F.	47
Florida Nat Prod Co.	49	Sander & Co	1V
Florists Exchange	49	Schultz & Cham.	1V
Ford Bros	37	Schmidt J C	45
Foster Lucius H	45	Seawelger Chas.	47
Gardens Chronicle	43	Scholey John A.	111
Gardening Co The.	46	Sheridan W F.	37
Garland Geo M.	111	Siebrecht & Son	37
Geller Sigmund.	49	Sinclair's & Wams.	33
Ghormley Wm	37	Skabara D Co.	49
Gibbons W W	1V	Smith Nath & Son.	46
Giblin & Co	45	Sittau C.	11
Gorton & Lidgerwood	51	South Side Floral Co	47
Gullett & Sons W d	45	Stahl Chas B.	36
Gunther Wm H.	37	Stearns Lumber Co.	111
Gurney Heater Co.	52	Stoothoff H A & Co.	11
Haxenbarker Carl.	47	Storrs & Harrison Co.	40
Hall Ass'n	49	Sutherland Geo A.	36
Hammond Benj.	5	Swahn Pottery Mfg Co.	50
Hancock Geo & Son	44	Tessoo Robt F.	48
Hathaway B F.	40	Thorburn J M & Co.	38
Heacock Joseph.	47	Tobacco Warehousing	
Helal Jos.	45	and Trading Co.	49
Helas J B	44	Tresandly & Schenck	37
Hennecke Co.	53	Vall Seed Co.	49
Hersendson Mfg Co.	1V	van Aken Bros.	46
Herr Albert M.	47	van Wert Greenh'ea	47
Herrmann A.	49	Vaughan's seed store	1
Hews A H & Co.	51	Vick's Sons Jas	11
Hilger Bros.	51	Vincent & Son	48
Hill E G & Co.	51	Vredenburg & Co.	38
Hippard E.	59	Wabsah R R	1
Hitzings & Co.	1V	Watson G C.	11
Hoffman E M & H N.	45	Weathered's Sons	111
Houton & Hunkel Co.	34	Thos W	46
Hooker H M Co.	111	Weber H & Sons	11
Ho p s Bro & Thomas	46	Weber & Don.	11
Horan Edw C	37	Welland & Risch	35
Hort Adv.	5	Weich Bros.	36
Hose Connection Co.	49	Whilldin Pot Co	51
Hull & Co.	50	Whitton Samuel.	41
Hunt E H	35	Wielor Bros.	35
Invalid Appliance Co.	50	Witold The Geo Co.	1
Jackson & Perkins Co.	40	Wood Bros.	46
Jackson E B.	46	Woodroffe & Bern-	
Jacobus A & Sons.	1V	helmer	36
Jennings E B.	11	Wrede H	11
Jennings Bros.	51	Young Jno	37
Johnson & Stokes.	38	Young & Niscent	37
Joy & Son	14	Young Thos Jr.	37
Kastling A F.	36	Zirngelbel D	11
Keller Bros	59		
Keller Geo & S.	51		
Kellorz Geo M.	36		
Kennedy Bros Co.	43		



GURNEY "400 SERIES" HOT WATER HEATER.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

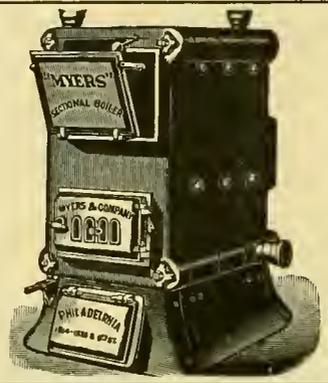
We manufacture Boilers capable of heating any size Greenhouse.

RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.



Exclusively A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., PHILADELPHIA, PA. (ESTABLISHED 1849.)

Finley Rotary Lawn Rake.

Something New.



"PAPA! WE CAN RAKE YOUR LAWN."

THIS IS A CUT SHOWING THE FINLEY LAWN RAKE IN OPERATION

The mower and reaper succeeded the scythe; the thrasher succeeded the fall—but never until now has a machine been invented to take the place of the antiquated hand rake. The machine has arrived. This is it. YOU NEED IT.

A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves and small loose litter of any kind. stones included, that a HAND rake would not touch. A man can rake three times as fast as with a hand rake. A CHILD can run it. Just the thing to fight crab grass. It will save its cost in 60 days on any good lawn.

Send for Particulars.

FINLEY LAWN RAKE CO.,

PRICE \$12 00. JOLIET, ILLINOIS.

WINDOW AND PLATE GLASS JOHN LUCAS & CO. PHILA.

When corresponding with advertisers mention the AMERICAN FLORIST.

New York Convention Number Of the... AMERICAN FLORIST, August 18. It Will Be a Winner. Send Your Advertisement NOW.

Holds Glass Firmly FULL SIZE No 2 See the Point The Van Keyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid. HENRY A. DREER, 714 Chestnut St., Phila., Pa.

Please mention the American Florist to our advertisers.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, AUGUST 18, 1900.

No. 637.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. SREWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August 21 to 24, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., secretary.

New York Hotels.

At the request of Walter F. Sheridan, chairman of the reception committee, we herewith present a list of the hotels of New York for the information of those who will attend the approaching convention of the Society of American Florists:

	EUROPEAN PLAN.		Miles to Hall.
	Rates per day.		
Savoy, 59th st. and 5th av.	\$2 00		1
Netherland, 59th st. and 5th av.	2 00		1
Metropole, Broadway and 42d st.	1 00		1 1/2
St. Cloud, Broadway and 42d st.	1 50		1 1/2
Manhattan, Madison av. and 42d st.	2 00		1 1/2
Marlborough, B'dway and 37th st.	1 50		1 1/2
Murray Hill, Park av. and 40th st.	1 50		1 1/2
Grand Union, Park av. and 42d st.	1 00		near
Imperial, Broadway and 32d st.	1 50		3/4
Grand, Broadway and 31st st.	1 50		3/4
Victoria, 5th av. and 27th st.	1 50		3/4
Ashland, 4th av. and 25th st.	1 00		3/4
Continental, Broadway and 20th st.	1 00		1 1/2
Union Square, Union sq. and 15th st.	1 00		1 1/2
Everett, Union sq. and 17th st.	1 50		1 1/2
St. Denis, Broadway and 11th st.	1 10		1 1/2
Cosmopolitan, W. Broadway and Chambers.	1 00		3
Astor House, Broadway opp. Gen-eral P. O.	1 00		3
Holland House, 5th av. and 30th st.	2 00		3/4
AMERICAN AND EUROPEAN PLAN.			
	Am.	Europ.	Miles.
May's, 50 West 28th st.	\$1 50	\$1 50	%
Broadway Central, Broadway opp. Bond.	2 50	1 00	2
Plaza, 58th, 59th and 5th Av.	5 00	2 00	1
AMERICAN PLAN.			
	Per day.	Miles.	
Fifth Avenue, 5th av. and 23rd st.	\$5 00		1
Sturtevant, Broadway and 28th st.	2 50		%

Right for Right's Sake.

According to the veracious calendar of Puddenhead Wilson it is easier to do right than make a maxim. However that may be, there's certainly great diversity in the way some maxims are applied. We say "Honesty is the best policy," but the man who is honest only because of the policy of it is but indifferent honest, and would, according to that logic, be dishonest if that were the best policy. Then, again, there's "Do as you would be done by," a very different maxim in the positive than in the negative, and many are willing to do a bad thing to others because they think others are just as likely to do a bad thing to them. The Confucian or, we may say, negative sense is "Do not do unto others what you would not like to have them do unto you." The positive or Christian philosophy goes further and says "Love thy neighbor as thyself," or, put in another way, "Do unto others as you would have them do to you, and do it first."

Thus a proper idea of what the Golden Rule is becomes necessary when we consider how deficient in logic the average human being is unless he puts himself through a course of hard thinking, which he is usually averse to doing, because, like Corporal Shiach, "it makes him sweat." I am a firm believer in the idea that most men are good at heart, and their wrong doing is mostly caused by their inability to think correctly—that is, logically.

All this leads up to the question of whether the next convention should go to Chicago or Buffalo. We should consider what it is right to do, and do it for right's sake. Do not be honest because it is good policy, but be honest because it is honest and you could not be anything else if you tried. Do right for right's sake, as you would be honest for honesty's sake. Do not say let's go to Chicago because you like Mr. Rudd. Do not, on the other hand, make up your mind to Buffalo because of your friendly feeling for Mr. Scott. To my mind the only point to be decided is whether either place has a right to the next convention.

As far as I have been able to make out, Buffalo does not care anything about the convention except as an adjunct to her world's fair. That, of course, is largely selfish and not at all a convincing reason. On the other hand Chicago seems to be sincere in desiring the convention for the convention's sake, and as it is a long time since the society met there, I think she

has a right to be considered ahead of Buffalo. In other words, how would you decide if Buffalo had no world's fair, did not ask you to come, and Chicago sent you a cordial invitation?

Let us see how the rotation of localities stands according to the records:

Cincinnati.....1885	St. Louis.....1893
Philadelphia.....1886	Atlantic City.....1894
Chicago.....1887	Pittsburg.....1895
New York.....1888	Cleveland.....1896
Buffalo.....1889	Providence.....1897
Boston.....1890	Omaha.....1898
Toronto.....1891	Detroit.....1899
Washington.....1892	New York.....1900

If Chicago gets it in 1901 fourteen years will have elapsed since she had it before, which seems a reasonable wait for the second largest city in the country. To be quite fair this (1900) should have been Chicago's year if we had held strictly to rotation. As Chicago gave place gracefully to New York last year she seems, therefore, to have a double claim for just consideration this time.

The idea of giving each large horticultural center a periodical visit is a good one and has borne excellent fruit, as the present vitality of the sixteen-year-old society testifies. If some other city develops enough interest in horticulture and wishes the convention it should be added to the list, all other claims being equal. But to add merely because it has a world's fair and an eloquent advance agent, as was the case with Omaha, for instance, is, to say the least, doubtful wisdom. It sounds like the familiar soup story. The keeper of the soup shop, according to this tale, "socked" his customer a large round dollar for a plate of particularly thin and watery bouillon. On the said customer making a mild remonstrance he was told that that was the correct charge, and that although it might appear a little high he would excuse it because the house really needed the money. The world's fair "because" sounds just about as reasonable as that to an outsider.

The right of Baltimore, for instance, to a visit from the society is disputed by no one. She is important enough horticulturally, and if the trade there were to go the right way about it they could beat both Chicago and Buffalo this year. Only once, I believe, did Baltimore ask for the S. A. F. meeting, and, on the face of it, even this looked like a one-man invitation and was worded in a manner which, though well meant, offended many earnest workers for the welfare of the society, and so the ancient and beautiful city of Baltimore has never yet

had a visit from the S. A. F. during the sixteen years of its existence. Whether she will ever have depends, in the first instance, on Baltimore herself. Personally I would be glad to see the trade there wake up, as, unlike the unkind critics I have often heard, I consider Baltimore well worth visiting horticulturally, and the florists there compare favorably with those of any other horticultural center of equal size. There is no doubt whatever but that they could rise to the occasion in magnificent style if they once made up their minds to that effect.

When I say this, I do not refer particularly to local entertainment in the way of eating, drinking and other recreations. That should always be given second place to horticultural interests. The best flower growing establishments, both commercial and private; the public parks and conservatories, the flower shops, the nurseries, the best landscapes, all these things are interesting to S. A. F. visitors and should not be lost sight of. The visitors can always get some good points wherever they go, and the largest possible opportunity should be set before them. Entertainment committees are prone to devote themselves too much to providing an eating and making merry, rolling ten pins, shooting and gallivanting around sort of programme. While that is all right in its place, it should not predominate. The visitors desire first of all to attend the business sessions of a convention, secondly to become familiar with local horticultural matters, and, if there be any time left, to enjoy a good dinner or a game of ten pins. Is there anything in that to scare Baltimore or any other horticultural center? I trow not.

Speaking of recreation reminds me that some one was hitting at our friend, the

don't know their man. John Westcott is not only a grower, but he was a retailer, too, a quarter of a century or more, and any one who spends an hour or two in his company at conventions will find out, if he cares to, whether John has any ideas outside of recreation.

That, however, is wandering somewhat from the text. Let us return to our onions. The latest advocate of Buffalo, I observe, brings forward the plea that to have a good attendance at the convention Buffalo is the only place, because people cannot afford to go to both exposition and convention if in different cities. That is asserting a good deal without any special effort in the way of demonstration. An assertion is not a demonstration by any means. The eastern florists should not find it so very difficult to stop off at Buffalo a day or so in going to or coming from Chicago, if they wished especially to see the exhibition. The florists of the west would not be put to any inconvenience if they went to the exhibition at Buffalo after first having attended the convention in Chicago. As for the south, that section of the country is relatively unimportant from the greenhouse men's standpoint, on account of its favored climate, and would not count much in an argument for or against either place.

Again, this same advocate says the world's fair city "would secure a larger attendance and incite more interest," but why it would do so he does not state. One would naturally think that this counter attraction would detract rather than add to the interest in the convention. That was the idea that made the society go to St. Louis rather than to Chicago the Columbian Exposition year. He further says "the degree of success of a society is in a measure indicated by its

basis we might elect our president and other officers for 1902 also.

I am glad Buffalo wants the convention. I would like to see every city wanting it. But I think Chicago has the best motive and the best right this year. Chicago doesn't want it as a tail to a world's fair kite, and we must not forget that we once chivvied her out of it just because she had a world's fair. I believe the convention would be a success at either place in 1901. But that is not the point. Let us do right if the heavens fall. That's what wins in the long run. Policy never had a ghost of a show with right since the world began, and never will have, and Buffalo needn't worry. Her world's fair is an assured success without the convention, and it will be a respite to her hustling citizens of the florist trade to take a week off for Chicago in 1901. G. C. WATSON.

History of the S. A. F. Medal.

At the meeting of the executive committee in Washington, D. C., January 12, 1892, the subject of a suitable medal for award by the society was discussed and Messrs. Manda, Hunt, Falconer and Hoitt were appointed a sub-committee to formulate a plan and report later. This committee reported on the afternoon of the following day, recommending the adoption of three medals, of gold, silver and bronze, to be awarded to the originators of new hybrids or varieties raised from seed, or the discovery and introduction of new species or varieties raised from seed, or the discovery and introduction of new species or varieties that are decided improvements over existing kinds, the awards to be made in accordance with the following rules:

"No award shall be made for any plant that has not been grown at least two years in this country and exhibited at least twice before some recognized horticultural society, where it shall have received a first-class endorsement in writing by said society. Further, that it have the endorsement in writing of three members of the executive committee before it shall be considered by the full executive board, and then only shall such award be made by a two-thirds vote of the committee, such species or variety to be shown in plant form and cut state where practicable. Not more than one medal shall be awarded in each class, and not more than three in all in each year."

At the meeting of the executive committee at St. Louis, Mo., on January 17, 1893, the subject was again brought before the executive committee, with the result that a special committee consisting of Messrs. Manda, Hunt, Trelease and Hoitt was constituted with full power to adopt designs and procure dies for medals as previously recommended. At the convention in St. Louis in August following, Mr. Manda reported to the society on behalf of this committee. He stated that the committee had prepared a die for the medals, but unfortunately it had been broken in the hardening process and that it would be two or three weeks before another die would be ready. Mr. Manda had proofs of the design with him, which were examined by many members and universally approved.

At the next meeting of the executive committee, held in Philadelphia, Pa., February 13, 1894, a vote was passed instructing the secretary to have one medal of gold and three each of silver and bronze struck off for the society's



THE S. A. F. MEDAL.

Commodore, in a recent issue. Since then others have followed this up in a tone that seems to me more serious than the occasion warrants. If a close observer of events during the past ten years were to be asked what one influence outside of the officers did most to make the conventions a success I am sure a large majority would answer "John Westcott." His motto, "If you are to keep school you must have the scholars," is sound sense, his idea being to get the crowd there by all the wiles which his generous and sport-loving heart could suggest to his shrewd and practical mind. But if any one has run away with the idea that our Commodore thinks that the recreation matter is anything more than a means to an end, let him dismiss the notion forever from his thoughts. They

membership list," as if quantity rather than quality should be the true measure of success. It is true, however, that the membership list indicates success if it be representative of the best men in the trade from all sections of the country, but such men do not require the inducement of a world's fair trip to make them join the S. A. F. If it had there never would have been any S. A. F.

This gentleman then winds up his unsupported assertions and assumptions with this: "Would it not be good policy for Chicago to withdraw her claim for 1901 under promise that she can have the convention in 1902?" That's a pretty good one! Hope Chicago will appreciate this naive effort to console her with a promise of last year's snow. How can 1900 legislate for 1902? On the same



MT. EQMONT, NEW ZEALAND.

use. This was done, and in the programme for the convention at Atlantic City in August of that year, announcement was made of the offer of these medals by the society under the rules as previously adopted by the executive committee; but no entries were made in competition therefor. A similar announcement was made in the programme for the Pittsburg convention the following year, but also without result.

It appearing that on account of the stringency of the rules governing the competition, or for some similar reason, members were disinclined to enter into competition, the question of offering the medals under more liberal conditions was discussed at the executive committee meeting in Providence, R. I., March, 1897, with the result that six medals of silver and six of bronze were set apart to be competed for in accordance with the recommendations of the local clubs of Newport and Providence at the convention in Providence the following August. The result of this offer was the award of silver medals at Providence as follows:

To Oakes Ames, of North Easton, Mass., for display of aquatic flowers; to Swan Point Cemetery, Providence, for collection of conifers; to Swan Point Cemetery, Providence, for American grown rhododendrons and azaleas. And bronze medals to H. A. Dreer, Philadelphia, for display of aquatic flowers; to Sam. W. Lewis, Olneyville, R. I., for a collection of conifers; to W. A. Manda, of South Orange, N. J., for collection of fancy caladiums, and to Alex. McLellan, Newport, R. I., for a group of rare greenhouse plants. At the convention in Omaha the following year, the medals were again offered for special exhibits and silver medals were awarded to Geo. Gibbs, Orcas, Washington, for American grown bulbs and to D. B. Long, Buffalo, N. Y., for floral photographic designs.

By vote of the executive committee twelve silver and twelve bronze medals are in the hands of the New York Florists' Club's exhibition committee to be competed for at the horticultural exhibition in connection with the convention at the Grand Central Palace and they will, no doubt, be worthily awarded. The design for the medals was drawn by the prominent artist and flower painter, Miss Ellen Robbins, who is a cousin of H. H. Hunnewell, of Wellesley, Mass. Its artistic beauty is a subject of frequent admiring comment

Plant Life of New Zealand.

New Zealand has aptly been termed "the wonderland of the earth" and this proud title has been earned by its scenes of unrivalled grandeur. Its volcanos, hot lakes, boiling mud holes and geysers. Its fjords, which rival those of Norway, and its Alps and glaciers, which challenge comparison with those of Switzerland. These beautiful islands may also claim the title on account of the beauty and diversity of plant life, embracing the immense kauri forests and the impenetrable jungles of ferns and palms which fringe the river banks of the North Island.

Tree ferns, principally *Dicksonia Antarctica*, *Cyathea*s and *Alsophilas*, abound everywhere, sometimes attaining a height of eighty feet. The Maoris used to eat the pulp of the stems and the trunks of these ferns are often utilized by pioneer settlers to build huts, just as log cabins were built in the early days of America.

New Zealand has 130 different species of indigenous ferns and lycopods, which grow luxuriantly in the semi-dark bush. In some districts *Adiantum Cunninghami* covers the ground to a height of

two or three feet for miles and is so dense that special scythes are manufactured for the purpose of clearing the land of it. Through the jungles, especially up the reaches of the Wanganni river, which has a world-wide reputation for the beauty of its scenery, are many fine specimens of the ringed nekan palm, *Areca sapida*, thirty and forty feet high, the fronds of which are used by the natives to thatch their huts. The straight stems of the aralias furnished the natives with spears, which were hardened with fire at the tip and dipped in a poisonous solution to make a wound fatal.

The bush is extremely interesting; here a lordly kauri 200 feet high and forty feet in girth, rears its stately head high above the forest, its growth unchecked by the hundreds of cupplejacks that reach and twine around the lower branches or the orchids and other parasitic plants which cling to its trunk. In the gloom beneath, *dracenas*, *aralias*, *doodias*, *lomarias*, *davallias*, *adiantum*s, *hibiscus*es, etc., grow in an impenetrable mass and enjoy summer weather the year around. Miles of swampy ground is covered with the New Zealand flax, *Phormium tenax*, which grows densely ten and twelve feet high, and the writer remembers being lost for several hours in one of these flax swamps. This flax is thrashed and exported in large quantities for making rope. The Maoris make their nets and baskets with its strands and collect the large quantities of honey contained in its flowers with calabashes.

In dryer districts the cabbage palm, *Dracena Australis*, is found in great numbers, many of the trees being over 100 years old, gnarled and twisted and in some cases are enveloped by the native *ipomoeas* and *clematis*. Throughout New Zealand the plains and plateaus are rendered beautiful by the plumes of the pampas grass, *Arundo Australis*, called by the Maoris the "Toi Toi," which grows in great profusion.

Some very fine private grounds are to be found in the neighborhood of Auckland. *Camellias*, *hydrangeas*, *boronias* and countless varieties of flowers and shrubs bloom in the borders in exquisite profusion and the outhouses and verandas are festooned with *Bougainvilleas*



FLOWERS AND FOLIAGE OF DRACÆNA (CORDYLIN) INDIVISA IN NEW ZEALAND.

and *Plumbago Capensis*. In the orchard, oranges, lemons, citrons, bananas, etc., grow with ordinary fruits and an aquatic garden of great beauty usually adorns one corner of the grounds.

The South Island is not so rich in plant life, although the *Kentia Canterburyana* is found there, but for all that is beautiful, all that is impressive in the vegetable kingdom, visit the home of the plant that blooms and grows underground and the edible boiling mud spring—the North Island of New Zealand. J. H. McH.

Midsummer Notes on Aquatics.

August is the banner month for aquatics, for when many beds of flowers are suffering from heat and drought, water lilies are in their element, and one turns from the parched and heated ground to the verdant green of the ponds, with the dainty lilies of all hues, fragrant, cooling and refreshing. Some of the hardy nymphæas are nearing the end of their season, but as they decrease the tropical lilies increase in number, size and brilliancy of color, and will continue on until the end. The *nelumbiums* are admired for their gigantic foliage and flowers as they are now to be seen in all their oriental splendor. As this is the season when we can spend a few days, combining pleasure and business and attend the convention, no better time can be found to visit different grounds and make comparisons and notes.

The general work in and around a large water garden at this season of the year is to keep the grass mown, the ponds filled with water, the few dead leaves picked off, and, in natural ponds, a few perennial weeds pulled out. The hoeing, cultivating and other laborious work is outside the water garden. Ponds that are still under construction may yet be planted with such occupants as hardy nymphæas, but this work should be completed at an early date. Nymphæas planted during August will become established before fall and will start early in the spring and escape a check and delay in flowering which spring-planted stock receives more or less.

Where seed is not wanted the dead flowers should be picked from such varieties as produce seed; it saves the plants much energy and, again, if the seed is ripened and should be deposited in the pond, the result will be a host of seedlings that in most cases will be no better than weeds, in fact worse in the case of some hybrids, as the seedlings seldom come true and the young plants will be more vigorous and would soon supplant the original variety. Where seedlings are now in evidence it will be better to weed them out unless they show especially marked variation in foliage or have already shown a distinct flower. Nothing is worth saving as seedlings unless of a species, and true, or from selected flowers carefully hybridized. No better time than the present will be found to examine all plants and be positive that they are true to name, and where there has crept in a plant by accident, or otherwise, see that such is rightly named, or, better still, planted in the right place or group.

Where aquatics are grown in tubs many will now feel the benefit of frequent waterings of liquid manure; or fertilizer may be put in the tubs previous to filling up with water. *Nelumbiums*, especially, need it; they should not be suffered to become starved or take on a sickly yellow-green hue of foliage, or their

flowering is at an end for the season. These plants will bear heavy stimulants, but begin with moderately weak applications, adding stronger doses afterward.

Where *Euryale ferox* has established itself, plants should not be allowed to crowd each other, but thin them out early. This also applies to *Victoria Trickeri*. The *euryale* is very subject to attacks of *cercospora*, and after two or three days of warm, humid weather look out for spot. If not checked at once it will soon spread to every plant in the pond, with serious result. Leaves so affected will shrivel up with the first bright, sunny day and the leaves soon die, badly crippling the plant, reducing the size and number of leaves and flowers. The only remedy is Bordeaux mixture in any of its forms, but use it diluted fifty



CLEMATIS INDIVISA IN NEW ZEALAND.

per cent, that is, as per formula or directions given for most plants.

An excellent formula is five pounds of sulphate of copper and three pounds of caustic potash. Dissolve the copper and potash in separate wooden pails, then mix and add fifty gallons of water. As the caustic potash varies considerably in strength it will be necessary to test it before general application; dilute as above stated and use it on a few leaves first. The spraying should be done with a fine spray nozzle, in the afternoon after the flowers are closed, and the effect will be magical. In the test case, if the Bordeaux mixture is too strong the leaves will appear scalded in spots on the surface. As fifty gallons of Bordeaux mixture will be more than is required in most cases, unless there is need of such in other departments, a smaller quantity may be made, but it retains its strength a considerable time. The ammoniacal solution is also very effective and convenient to handle, especially where but few plants

are grown. This can be purchased of dealers, ready for use; the same caution about using it too strong is necessary here; whatever the directions may say, be careful. The water should only be light blue in color. Experience alone will decide the proper proportions.

Where aphides are in evidence, either on nymphæas, *nelumbiums* or *Victorias*, the safest and surest remedy, and by no means affecting the plants, as is often the case with insecticides, is to see that a colony or two of lady bugs are in evidence. If not at hand, hunt some up and see that they settle where wanted; there will be no need to worry about the black flies; they will soon disappear and the plants will be clean and healthy.

WM. TRICKER.

The Classification of Sweet Peas.

As stated in a previous letter, it was the intention of the classification committee at the recent sweet pea conference to make a selection of the best types of the various shades of color on the morning of the second day of the show, but, as so many varieties had curled up, owing to the excessive heat and dry atmosphere, it was impossible to carry out this object. I believe most of the best and decided types will be found in those selected from Hurst & Sons' collection and I shall append a list of the sorts which were adjudged the most distinct. I also give a list of those which have received awards from the Royal Horticultural Society.

Eckford's Bronze Prince appears to be the first to receive distinction, a first-class certificate being awarded it on August 8, 1882. In 1883 first-class certificates were awarded for Orange Prince, Eckford; Carmine Rose, Hurst; Invincible, carmine, Laxton; Invincible, striped, Carter; and Blue-edged, Carter. It was not until 1889 that another award was made. In July of that year Mr. Eckford exhibited a collection to which an award of merit was given for the strain. Mr. Walker also received a similar award. I may here mention that between the above dates a change was made in the name of the recognition bestowed, the award of merit being the highest distinction accorded to florists' varieties, unless a distinct hybrid; consequently the award of merit is equal to the former first-class certificate. In 1890 Dorothy Tennant and Stanley received that distinction, both being from Eckford. In 1891 Lady Penzance, Mrs. Eckford and Venus, and in 1892 Lady Beaconsfield, all from Eckford, were honored, and since that date the following have been adjudged worthy of the same distinction: Aurora, Blanche Burpee, Countess Cadogan, Countess of Powes, Cupid, Eliza Eckford, Emily Henderson, Golden Gate, Lady Grisel Hamilton, Lady Mary Currie, Mars, Prince Edward of York, Queen Victoria, Salopian and The Belle.

It will be seen from the above that the floral committee of the R. H. S. does not debar the hooded varieties, Lady Grisel Hamilton being one of the most decided of that type, though in discussing this point at the conference it was decided not to recognize hooded varieties as a separate class, the hood practically being considered a deformity. The list selected by the classification committee will also be found to include some hooded varieties and they certainly should be distinguished in some way from the upright standard varieties, so that those objecting to them could avoid including them in their selections.

The list of varieties selected from the collection of Hurst & Sons is as follows:

Emily Henderson	Oriental
Blanche Burpee	Gorgeous
Sadie Burpee	Chancellor
Sensation	Lady Mary Currie
Mrs. Eckford	Prince Edward of York
Queen Victoria	Prince of Wales
Coquette	Her Majesty
Lemon Queen	Coloist
Hon. F. Bouverie	Splendor
Lady Skelmersdale	Mars
Mrs. Gladstone	Salopian
Prima Donna	Captivation
Royal Rose	Fashion
Mrs. Dugdale	Dorothy Tennant
Triumph	Black Knight
Little Dorrit	Shahzada
Blanche Ferry	Duke of Clarence
Earliest of All	Captain of the Blues
America	Countess Cadogan
Pink Friar	Emily Eckford
Coronet	Princess of Wales
Countess of Powes	

It will be seen that this list, though rather a long one, does not include all that deserve notice. Lovely, which took a first prize and was very conspicuous in many collections, is one example, and of newer varieties, Snowdrift, Cream of Brockhampton and Wideawake may prove valuable. Baden Powell, by the same raiser, Foster, seems too much like America. Stanley is left out in favor of Black Knight, but I should strongly recommend Stanley for pot culture. Duchess of Westminster and Maid of Honor may have been included in the selection from Hurst & Sons' but they are not marked in my list. H.

New Rose Pink Pearl.

This latest of W. A. Manda's hybrids is a very beautiful rose and has received high honors wherever exhibited. It is a cross between Wichuraiana and Meteor. The buds are salmon pink, changing to clear pink when fully expanded, the flowers being much larger than those of either of the parents.

Summer Work in the Greenhouses.

That the early summer is a busy season in the greenhouses is a remark that has long ago lost its novelty, and, with the experience gained in successive years, many of us make good resolutions at the beginning of the season that we will so arrange and plan our work that the worst of it shall be completed by the Fourth of July, and that the remainder shall be well in hand before convention time. But then there is a certain house or range of houses that needs rebuilding, or a boiler that cannot be relied upon for another winter, and possibly some piping to be altered or added to, and then the material does not arrive on time; thus delay sometimes follows delay and that anticipated vacation period slowly vanishes into thin air.

It would be easy to accumulate material for all these repair jobs if we only knew beforehand just what would be required, but it often happens that the tearing out of an old bench discloses the fact that many of the posts that carry the side walls are rotten and must be replaced if a collapse is to be avoided when that heavy snow comes next winter. Of course such a state of affairs does not often confront those happy growers who possess brick-walled houses, with iron plates and frames, or iron gutters set upon iron posts, and iron-framed benches with slate or tile bottoms.

Such things as these are like a good suit of clothes, in being very nice to have, but there are, unfortunately, many men who are unable to have the best in clothing, and there are likewise many growers



MANDA'S NEW HYBRID ROSE PINK PEARL.

in our business who have not capital enough to build houses at the rate of \$25 to \$30 per running foot in length. These growers are fully capable of appreciating the beauty and utility of a first-class, modern greenhouse, but to them it is "out of sight" in more ways than one. But this state of affairs may not always exist, and sometime in the happy future the structural iron trust may be dissolved and the poor but honest grower be enabled to buy for a reasonable price some of those new iron gutters that are to be rolled out in lengths of twenty feet.

In the meantime certain repairs must be made, and for the walls of a wooden house I prefer to use good red cedar posts, those of southern growth preferably, the red cedar being much easier to work than locust, besides being more readily procured in even sizes, and also being among the most durable of woods. Plates and gutters may be made from either cypress or yellow pine, though it becomes more difficult each year to get prime yellow pine plank that is free from sap and season cracks. And when used for a plate or for the bottom of a gutter a badly seasoned, cracked yellow pine plank is liable to give trouble no matter how carefully it may be puttied and painted.

For the better preservation of the wood

it is preferable to have as little of the plate exposed to the weather as possible, this being managed by keeping the larger portion or long slope of the angular plate within the house, and then carrying the glass down as far as convenient toward the eaves. After this patching of the woodwork there is more or less painting and re-glazing to be done, and in this department the very best material is likely to prove the cheapest in the end, for there is no class of work that is more trying to poor putty and poor paint than to be used on a greenhouse roof, where it is not only exposed to all the force of the elements on the exterior of the house, but inside is also tested by a continual exposure to warmth and moisture.

Wooden benches are a continual expense and source of annoyance, though a majority still use them on account of the small first cost, the framework of scantling and the flooring of hemlock or Virginia pine boards, it being a matter of doubt as to which wood is most durable. The average life or period of usefulness for a bench of this description floored with boards one inch thick, of good, sound hemlock, is three to three and a half years, when used for pot plants only, and if only used for small stock we sometimes have them last four years. These

benches have a heavy coat of whitewash when built, and last rather better if the framework is also given a good coat of of the same material before the flooring is laid.

Some growers maintain that 2-inch plank is more satisfactory for flooring benches, and possibly if the benches are to be used for planting out roses, carnations or chrysanthemums this may be correct, but for growing pot plants it seems doubtful if there would be enough difference in the lasting qualities of the 2-inch stuff to cover the difference in price, and the first cost of lumber is a very considerable item now, ordinary hemlock costing nearly fifty per cent more than it did a year or two ago.

For heating pipes, of course we all use black iron, this radiating heat much more freely than is done by galvanized pipe, but for the water supply through the houses galvanized piping is superior from the fact that it is less likely to fill up with rust, and thus wears much longer. In laying water pipes, or repairing them, it is good practice to have them out in the open just as much as possible, in order that any leakage may be at once detected, and also to have gate valves in various places so that one house or range of houses may be cut off at any time it is necessary to make repairs. If it should be found

necessary to bury a water pipe, do not cover it up with coal ashes, the latter material being more corrosive toward iron pipe than ordinary earth is.

While these repairs are being made to the houses the stock of pot plants particularly must be kept in order, for this is the season in which we hope to transform the half dollar plant into the dollar specimen, a process that may readily be accomplished with some species between the first of June and the first of October, providing the plants are not neglected during the repair campaign. Fortunately many of the useful foliage plants may be handled advantageously in frames outdoors at this season, though I prefer not to put such tender subjects outside before the middle of June unless they are well established in their pots.

Araucarias do better in the open air, with protection from full sunshine, a lath shelter serving the purpose best, while the ever popular *Ficus elastica* grows well in the full sunshine, forming tough leaves with those reddish midribs that are so attractive, these outdoor grown plants being more enduring for house decoration than those that have always been grown under glass. Many of the dracenas and crotons grow remarkably well under frame culture during the summer, though needing frequent syringing in dry, hot weather, this

method of culture not being noted here as a novelty, from the fact that it was practiced with considerable success in the vicinity of Boston fully twenty years ago.

And, speaking of Boston, reminds us that the Boston nephrolepis may also be grown out in the frame, in a rich open soil and moderately shaded, but, like all other ferns that are given the same treatment during the summer months, this one must not be neglected in the matter of watering. But possibly the most of your readers have all these minor matters in good shape and properly arranged for the summer, and in that case they will be more interested in the problem of transportation as applied to trains and routes that shall land them to New York on or before the morning of August 21. W. H. TAPLIN.

Campanula Isophylla Mayii.

The accompanying illustrations show a new plant, *Campanula isophylla* Mayii, which is said to possess much merit for pot and hanging basket culture. It is introduced by H. B. May, of Upper Edmonton, London, England. The flowers are of a light blue shade and produced very freely. This novelty was given an award of merit by the Royal Horticultural Society of England.

Dahlia Notes.

The present season, in many sections, has been marked by extreme drought and heat, conditions which are distinctly unfavorable to the dahlia grower, and it becomes desirable to use all possible means to counteract them. The natural impulse is to resort to the use of water. To be of value, enough should be applied to saturate the ground three or four inches deep, and to do this takes time, labor and a large quantity of water. In a dry time a heavy rain of some duration will often leave the earth quite dry a little way below the surface and a few minutes' sprinkling from the hose cannot be expected to accomplish more. A mere surface application will pass into the atmosphere before it has had time to accomplish anything beyond a temporary cooling of the ground. Even when the application is thorough, it can be much more effectively employed in connection with a mulch as referred to later. When the area is extensive, the use of water becomes impracticable without a regular irrigating plant.

Two methods based upon practically the same foundation can be employed under all circumstances and will be always productive of benefit. Keeping the surface of the soil thoroughly stirred to the depth of two or three inches prevents evaporation from the lower levels and retains for the use of the plants that moisture already present. This treatment presumes that there has been regular and thorough previous cultivation. To break up and pulverize ground which had been allowed to become dry, hard and compact, might be a remedy as bad as the disease.

The other method is to cover the surface of the ground three or four inches deep with straw or similar material. Manure from the stable serves a good purpose and supplies plant food as well as protection. Such a mulch keeps the ground cool and moist, both desirable conditions. The sun's heat does not penetrate it and the persistence of moisture beneath it, even in the hottest and dryest weather, is surprising. Moreover,



CAMPANULA ISOPHYLLA MAYII AS A POT PLANT.

the soil beneath does not pack and harden but remains in fine condition without cultivation. Light showers pass through to the surface of the earth below and the moisture is retained there; if artificial watering is resorted to, half the usual amount will produce thorough saturation and there is the least possible loss from evaporation. H. F. BURT.

CARNATIONS.

SOLID BEDS VERSUS BENCHES.

ED. AM. FLORIST:—I should be pleased to read of Mr. Herr's experience with the standard and newer carnations grown on solid beds. What sorts will do best in solid beds? What sorts will do equally well in solid beds or benches? What sorts will do best on benches? It is to be understood that the houses are modern, well heated, with large glass and well ventilated. M. E.

Solid beds will not produce as many flowers as benches in most cases and sometimes the solid bed will be from five per cent to fifty per cent behind the bench, this difference in results being largely due to soil, sometimes to culture and frequently to the variety.

Where the construction of solid beds will entail considerable expense, benches might as well be built, as results are more sure. Where a solid bed can be made, the same as I make mine, by simply setting up six-inch boards on the solid ground, for sides, and filling in four inches of soil for planting, the difference in cost of benches over this system of solid beds is quite enough to make a loss of ten per cent of flowers less than the original extra cost and maintenance of the benches. With most varieties I have found that my cut will not vary more than ten per cent in favor of the benches.

My soil has naturally good drainage and this makes the watering of solid beds an easy job, whereas, with a stiff subsoil, it becomes quite an art; it also has much to do with my success with the solid bed system and if it were not for the natural advantages that I have I suppose that I would be using benches.

To a beginner I would advise the bench system for the larger part of the establishment and a thorough trial of the solid bed system under the same conditions, keeping a careful record of results and cost of production. It is of this latter item that most of us gain wrong conclusions, as we too often look only to apparent results, whereas the difference in cost often entirely reverses the general results.

Last winter I visited a grower who had a solid bed of Triumph and in the same house some on benches. The difference between them was fully seventy-five per cent in favor of the bench at that date and later on, by the look of the plants, I suppose the difference was at least fifty per cent in favor of the soil bed. Here is where many growers run against a snag. I often do it, myself, with a new variety. The habits of the variety must be well known to get good results from solid beds and it must be grown accordingly. There is so much difference in results in different soils that it would be folly to attempt to lay down any rules to be followed.

It is almost impossible to arbitrarily select certain varieties for benches and certain others for solid beds, on account of this great difference in results in different soils, but one rule can be followed with pretty sure results and



CAMPANULA ISOPHYLLA MAYII AS A BASKET PLANT.

that is to plant on benches all varieties that are inclined to be late in coming into full bloom and also any varieties that are inclined to run more to foliage than to flowers. Such varieties as come into bloom quickly and are pretty free with their flowers can be planted on solid beds with an assurance of pretty good results and, if everything is just right, there ought to be a few more dollars from the solid beds than from the same varieties in benches, as the flowers ought to be better in quality and stem, with much less expense in the way of feeding and petting them up, and the season of good flowers in the spring runs considerably later than with a bench.

There is another point against the solid bed, and that is the fact that you cannot force the flowers for a certain date without doing the plants serious injury, and this makes the success of a Christmas crop entirely a matter of knowledge of the variety and how to handle it. Here, again, comes the difference in soils as an obstacle to giving advice, but a little study will soon enable you to know just how to top the plants to get a big crop in for a certain date and it is in the topping that the whole secret lies.

The fact that carnations in solid beds cannot be forced to any extent without

permanent injury to the plants makes them, in my estimation, better stock for propagation than plants grown in benches, as their growth is more natural and consequently more healthful.

ALBERT M. HERR.

CHRYSANTHEMUMS.

GULF COAST NOTES.

The chrysanthemum grower in this part of the world has had an object lesson this season. For years it has been preached to him to avoid planting in flat ground; to use raised beds as a safeguard against heavy rains. Since May 28 we have had scarcely a day without rain; some days a foot of it. The consequence is, where the plants are not dead they have that yellow, sickly look which I have found well described by calling it indigestion. They look as a man feels with that complaint. Of course some few growers have planted properly, with ample drainage, and the plants look fairly well, but they are soft and suffering terribly from the sudden change to dry and torrid days. Summing up, I should say that the outlook for choice chrysanthemums in the extreme south this fall is not promising.

Where the plants have suffered in this

way I have found it beneficial to scratch the surface of the beds with a fine rake and give a good coating of soot. Where the soil seems to be very slow in drying out, equal parts of air-slaked lime and soot have given good and quick results. The treatment of the plants with us from now until flowering time is much the same as that advised by our friends farther north. I would suggest, however, to keep shy of liquid chemicals, and even liquid manures of every kind. A good mulching will give ample nourishment through the process of watering, and the strength will be sufficiently out of it not to effect the flowers when they come. Even this mulching should not be given to the reds and dark colors.

It is a common thing to hear of Fisher's Torch, Childs, Black Hawk and such colors being "scorched by the sun." Avoid too much nourishment after September 1 and the sunburn will not occur. Some of the chemicals are death to the colors of the lighter shades of pink. I have used sulphate of ammonia and nitrate of soda on Mrs. Hill, Glory of Pacific and Vivian-Moreland they came immaculate white. Of course the chemicals were assisted by shade, which is absolutely necessary to any kind of success.

It must be remembered that long after our friends north of us are warming their houses at night, our plants are burning up with tropical heat. Our average first frost is about November 15.

F. P. D.

ROSES.

DISEASED BRIDES AND BRIDESMAIDS.

ED. AM. FLORIST:—I have been greatly troubled by club root in my rose houses, the Brides and Bridesmaids being the greatest sufferers. The roots thicken at the extreme ends and then the foliage assumes the sickly, yellow appearance which is familiar to most rose growers. What is the cause of club root? Has the soil of certain localities anything to do with it? What is the best method of prevention and cure?

W. J.

After all the discussion in the horticultural press it seems remarkable that there should be ignorance as to the cause of club root. Eel worms are at the bottom of the trouble. These are very small worms which under a strong glass very closely resemble the common eel. These worms are much more abundant in some soils than in others, but, judging from reports from nearly every section of the country they must have greatly increased in number in the last few years. In many sections of the country where the ordinary monthly or bedding roses would have made fine, large bushes in one season twenty years ago, they now grow hardly at all and at best are very little larger at the end of the season than when planted in the spring. Many of the plants may die and all the trouble is due to the effect these little worms have upon the root action. In bulletin No. 55 issued by the Hatch Experiment Station, of the Massachusetts Agricultural College, in 1898, a very exhaustive description is given of various methods for destroying these pests, but there is one statement which seems to me a little inconsistent (see page 61) where it is stated that the nematodes and their eggs are destroyed by severe freezing. If that were the case why do they inflict such damage in the open air on plants in parts of the country where the frost penetrates four or five feet deep. During winter

they are exceedingly troublesome to roses, violets, etc., when planted in the open ground which has been so frozen. That the ordinary greenhouse temperature and treatment is very conducive to the welfare of eel worms is amply demonstrated all over the country, and the only safe method of prevention is to sterilize the compost thoroughly before using any of it. W. N. Rudd gave a detailed description of how this can be done in Vol. 13, page 1483, of this paper.

JOHN N. MAY.

A Hint to Conventionites.

ED. AM. FLORIST:—In your issue of August 4 appeared a short, sensible, well written article signed "W" and headed "A Hint to Conventionites." In it the writer expressed a hope that the bowlers about attending the convention had given a few hours' thought to improved methods in building, in growing, etc.,



PETER REINBERG.

and further said, "let us not drive all our enthusiasm down the alley lines with the balls, but keep some for other thoughts and other uses."

Being somewhat of a bowling devotee, I was struck very forcibly with our unknown friend's remarks. Having been associated with and a close observer of the men who follow the game, I know that they, as a rule, are the busy and successful ones, not the laggards. They give time, thought and care to their business, being equally as enthusiastic over it as over their play, knowing from the teachings of the game that to make many strikes in business or on the alleys it is necessary to give thought, care and attention to the same.

The great point about this bowling or other recreation at the conventions is that it brings the crowd together and furnishes a chance to meet one another and talk over just such business problems as "W" refers to. I have got many a pointer myself in these side talks, and I suppose I must have given some to the others in the same way. I do not place recreation at conventions first on the list except as a means to an end. The first thing to be considered is the regular business of the society, secondly such points of horticultural interest as the locality furnishes, and if any spare time remains

a little fun or recreation when business is done will brighten everybody up.

The fact that there has never been more than one day for howling, and that held after the session was finished, is answer enough to the suggestion that perhaps we have been neglecting more serious and important affairs in our devotion to the good old game, and "pushing our best enthusiasm down the alleys with the balls."

JOHN WESTCOTT.

WITH THE GROWERS.

PETER REINBERG, CHICAGO, ILL.

It isn't often that a florist visits Chicago and doesn't go out to Reinbergs'; certainly the sights there are worth the trip. If Prof. Galloway, who is being told that his recently published estimates of the extent of commercial floriculture in the United States fall short of the mark, had recently inspected the Reinberg establishments he might have been sufficiently impressed to have doubted the accuracy of his own figures, for let it be recorded that the Reinberg brothers own far more glass than is exposed to the elements at any other one spot in America and that Peter Reinberg individually has more rose and carnation plants on his benches than are to be found in any other floricultural establishment in the world.

Those who have not enjoyed Mr. Reinberg's hospitality can hardly realize the extent of over 600,000 square feet of glass, or almost fourteen acres. It seems incredible that one man's investment just for the glass alone, at the current rates per box, amounts to over \$40,000. Who, unacquainted with this one grower's range, would suppose that to keep it warm in winter thirty-two boilers would be required, twenty-four supplying hot water and eight making steam? In these thirty-two boilers Mr. Reinberg expects to next winter burn about 6,000 tons of Pocahontas coal, upon which the lowest price yet quoted is that announced by the Chicago Florists' Club's committee, \$3.35 per ton. On the place there are the equivalent of eighty 300-foot houses, each twenty-six feet wide, and in the houses there are seventy-two miles of heating pipe; those who have recently bought 4-inch pipe can reckon the investment there. There are 184 of Evans' ventilators in the houses, sixteen of which are new this year and are equipped with Garland's iron gutter. There are fifty men regularly employed under foreman George Collins. Is it any wonder that such a mammoth place turns out a supply of stock which practically imposes no limit on the selling department, which is entrusted to the management of A. C. Spencer?

The figures as to the plantings give something of an idea as to what sort of a cut there will be from these houses this winter. Of Beauties 40,000 plants have been benched. There are 17,000 young plants of Bride and 6,000 which have been rested for three or four weeks and cut back for a fresh start. There are 18,000 young plants of Bridesmaid and 9,000 which will be carried another year. Of Meteor there are 15,000, of Golden Gate 14,000, of Liberty 6,000, and a few hundred plants of Mmc. Testout have been benched, Mr. Reinberg believing that there is a limited demand for this rose at prices which will make it pay, and, by the way, he says it costs twice as much to grow Testout well as it does for Bride or Bridesmaid. He also says



PARTIAL VIEW OF PETER REINBERG'S GREENHOUSE ESTABLISHMENT AT SUMMERDALE, ILL.

that Meteor is an expensive rose to grow as he finds that the section of Meteor houses consumes nearly double the coal required for sections which may be kept 10° cooler. Last year Mr. Reinberg was about the only local grower of Golden Gate; he had 4,000 plants. This year he has benched 14,000, which shows what he thinks of it. All his roses are healthy and strong but the grafted plants of Liberty are quite a step in advance of the own root stock.

Mr. Reinberg's carnation field, a moist, friable soil, has contained 300,000 plants this season, and the stock is very vigorous. He has already benched a great many thousands and intends to house 140,000 altogether, as against 60,000 last year. He has dozens of varieties in the field to keep up the assortment for his trade in cuttings and plants, which is an important part of his business, but his principal varieties for cut flowers, aside from such new sorts as The Marquis, Mrs. Lawson, Genevieve Lord, Ethel Crocker and Peru, will be Mrs. Joost, Triumph, Evanston, G. H. Crane, Cerise Queen, America, Flora Hill, White Cloud, Armazindy and Mrs. Bradt. Mr. Reinberg thinks Mrs. Joost the best money maker of the lot and has benched it heavily. Last season he tried 500 of the bottomless pots for carnations and his experience was so similar to that of Fred. Dorner, published in a recent issue, that he has 6,000 of the pots on hand for this year's use.

One of the things which Mr. Reinberg shows every visitor is a new red carnation of which he expects great things. It is an unnamed sort which originated in 1897 with Leopold Ine, at the National Bohemian Cemetery. The flower somewhat resembles G. H. Crane in color and form but the size, while not small, is not large. However, Mr. Reinberg says he can cut three blooms to one from Crane or America. Mr. Ine has been sending it to a local commission house where it has sold right along with the high priced reds. The stock has now been worked up to 8,000 plants and Mr. Reinberg will grow them and put the cuttings on the market next year. In the meantime he is looking for a catchy good name for it.

The accompanying illustration of Mr. Reinberg's range of glass at Summerdale is from a photograph taken before this year's addition of 150,000 feet was

built adjoining the houses in the foreground. This picture does, however, afford a partial view of George Reinberg's glass, which adjoins his brother's on the west. In the range which Mr. Reinberg put up this year he was enabled, by the use of the iron gutter, to secure four benches as against three by his former method of construction and the arrangement of gutters is such that the water is carried off with the greatest possible expedition.

Clematises for Pot Culture.

There are few hardy plants which are better adapted for early spring flowering in pots than are some of the varieties of the patens type. These flower from the previous year's growths, and when ripened off early in the autumn, they require very little forcing to have them in flower early in March. From one-year-old plants to large specimens may be grown, according to the accommodation that can be given. Where vines are started early in the year, there is no better place for starting the clematises, and as the flowers begin to open they may be removed to a cooler house. With good treatment, the same plants will last in good condition for fully a fortnight, and by starting a few plants and adding to them from time to time, a succession may be kept up throughout the spring. Greenfly is sometimes troublesome, but if fumigated before they are started there will not be much risk of further trouble before they are in flower.

The large specimens often seen at exhibitions are very beautiful, and show what can be done with these hardy plants in pots; but I think the younger plants are even more effective, and well adapted for grouping with other plants, there being few flowering plants of the same shades of color. One-year-old plants may be grown on single sticks, say about three and one-half to four feet high, and older ones should have three or four sticks tied together at the tops, and the growths wound around; the tall plants are more effective than those trained around broad, balloon-shaped trellises. The same plants may be used for several seasons but they should be well cared for after they have done flowering and should be trained as they advance in growth, for after the wood is ripened it is very brittle. If repotted

after they have done flowering they will not require any further potting until the following season. After potting they may be kept under glass until we are quite free from frost and cold winds. During the summer and autumn they will make better growths in the open than they will under glass.

The clematises are easily propagated by grafting. The earlier in the year this can be done the better. When large quantities are grown, one-year-old seedlings of *C. Vitalba* are used as stocks; but where only a limited number of plants are wanted, roots can be taken from the plants that provide the scions (or grafts); it is the soft young wood that is used—the root may be split, and the graft cut of a wedge-shape. After grafting they should be potted, keeping the union just below the soil. If plunged where there is a good bottom heat and a rather cool surface, they will soon unite and should be removed as soon as they begin to start into growth; if left only a few days too long, they will make long, spindly growth, which it is most desirable to avoid. After removing them to a cooler house, they may require a little shade for a few days; but after they are hardened off a little, they should be fully exposed to the sun. After they have made a good start they may be potted on into 5-inch pots; using a good, rich, loamy compost. Plenty of light and air will ensure short-jointed growths, which will flower well the following season. They should remain in the open until well ripened off in the autumn but those intended for early flowering should be protected from severe frosts. It is also advisable to avoid excessive moisture at the roots.

Of the varieties belonging to the type referred to above, Albert Victor, Miss Bateman, Mrs. Quilter, Sir Garnet Wolsely, etc., are good examples.—*Gardeners' Chronicle*.

OWATONNA, MINN.—Lord & Johnson are erecting a new house in which they propose to grow the standard carnations and try a few novelties.

PAXTON, ILL.—Victor A. Johnson has bought an interest in the Paxton Greenhouses, and his partner, Andrew Peterson, has purchased and taken charge of the only greenhouse establishment at Hoopeston.

Cool Rooms for Florists' Use.

[A paper read before the Florists' Club, of Philadelphia, by H. C. Geiger, of the Floral Exchange, Philadelphia.]

In opening a discussion as to "the best methods of building cool rooms for florists' use," we are launching our boat upon a comparatively unknown sea; for while much space in our trade journals has been devoted to the important subject of the heating of our houses for the production of fine flowers, but little, so far, has been printed about the best mode of caring for the product. Much depends upon the cutting and packing of flowers in order that they may reach the hands of the retailer and his customer in good order, but it is equally important that the storage room, in which the cut bloom is kept until shipment, should be built in as perfect a manner as can be devised.

The subject divides itself into two departments, that of the retail store and that of the grower; and though the use of the words "cooling rooms" seems to imply that this paper should refer chiefly to what is needed by the grower, let me say a word, in passing, about the retail store. Unhappily we have not as yet in practical use any other than the one designation for "ice box"—a name that is chilling and rather repellent in many ways. The great advance in our profession and the critical taste of our customers make it quite essential that a handsome flower case shall be the chief attraction of every store. I have in mind what is, to my taste, the ideal store—one in which all the fixtures are of white marble, the walls of white tiles and the ceiling colored in pale Nile green, pink and silver. In this store the flower case is of white marble, lined with white tiles and is large enough for a salesman to walk into it. But as such a box is beyond the means of most florists, let us consider one of more modest pretensions.

"Many men, many minds," but it seems to me we can all concur in one thing, that the practical cooling box should be of plain but good design outside, should have several compartments for displaying flowers and at least one large compartment for keeping stock, not to be visible. The glass doors must be of double glass with an air space between, the glass to be hermetically set, else moisture will collect between the panes. Many fine cases are mirror-lined but to my taste white tiles are preferable, as they show the flowers to better advantage and are free from the objection to the mirrors, of clouding in time.

I cannot better illustrate my meaning than by describing a handsome case which was built in our city last summer and has given good service. It is of oak, four feet wide, sixteen feet long and about nine feet over all in height. It is divided into three show compartments separated by plates of glass, and has a fourth compartment closed from view by a mirror door. The rear wall is lined with mirrors, the ceiling and floor of white marble. Under each compartment is a deep drawer, zinc-lined, used for greens. This drawer receives its cool air from the compartment over it by means of some holes pierced in the marble floor. There are three ice chambers on the top, and the ice is put in from above. The lighting of this box is effective. The electric globe is placed in the vent for hot air along the front; and while it sheds a glow over the whole box, it also serves to make an upward draught for the warm air to the ice chamber. The temperature of this case is, in summer, 50°, with one and a half tons of ice weekly;

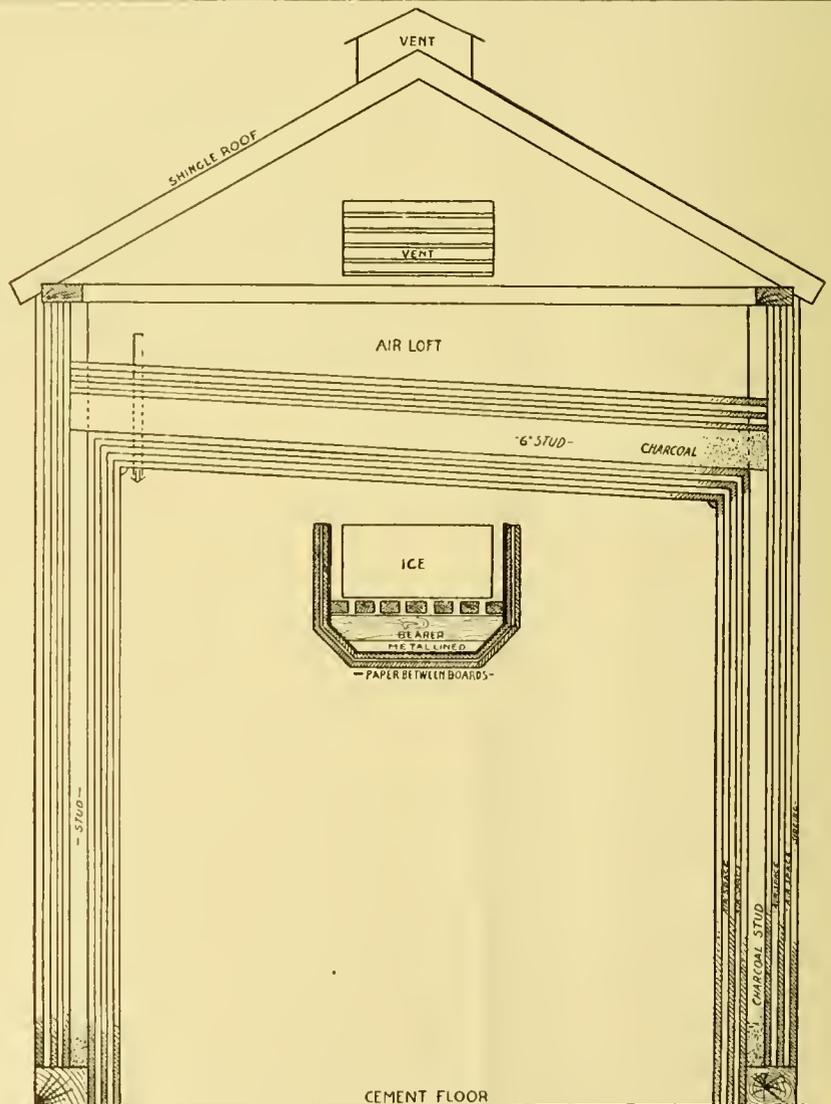
and in winter 45°, using one ton of ice weekly.

In passing to the second part I have several plans to offer you, which have the merit of having been tried and found successful and some of which are simple enough to build from by any handy man. Though very careful in every statement made here, I am only an amateur in this line, my sole experience having been obtained in the building of the successful room at Edgely. In building a cooling case or a larger cooling room, it will be money saved if the matter is placed in the hands of an expert builder, one who has studied the subject carefully, for, if the box is not built in accordance with scientific principles, it will be a source of constant expense and annoyance.

A very effective cool room now in operation in Chicago is similar to a root house, no ice being used. The details have been kindly furnished by Kennicott Bros. Co. They are as follows: Size, thirty-four feet long, eleven and one-half feet wide and seven and one-half feet high; cost, \$800. The walls are of stone, twenty-four inches thick and cemented on both sides to keep out the frost. The walls are stripped with 1x2-inch strips, and the floor and ceiling with 2x4-inch strips; the spaces filled with asbestos; two layers of strong building paper put

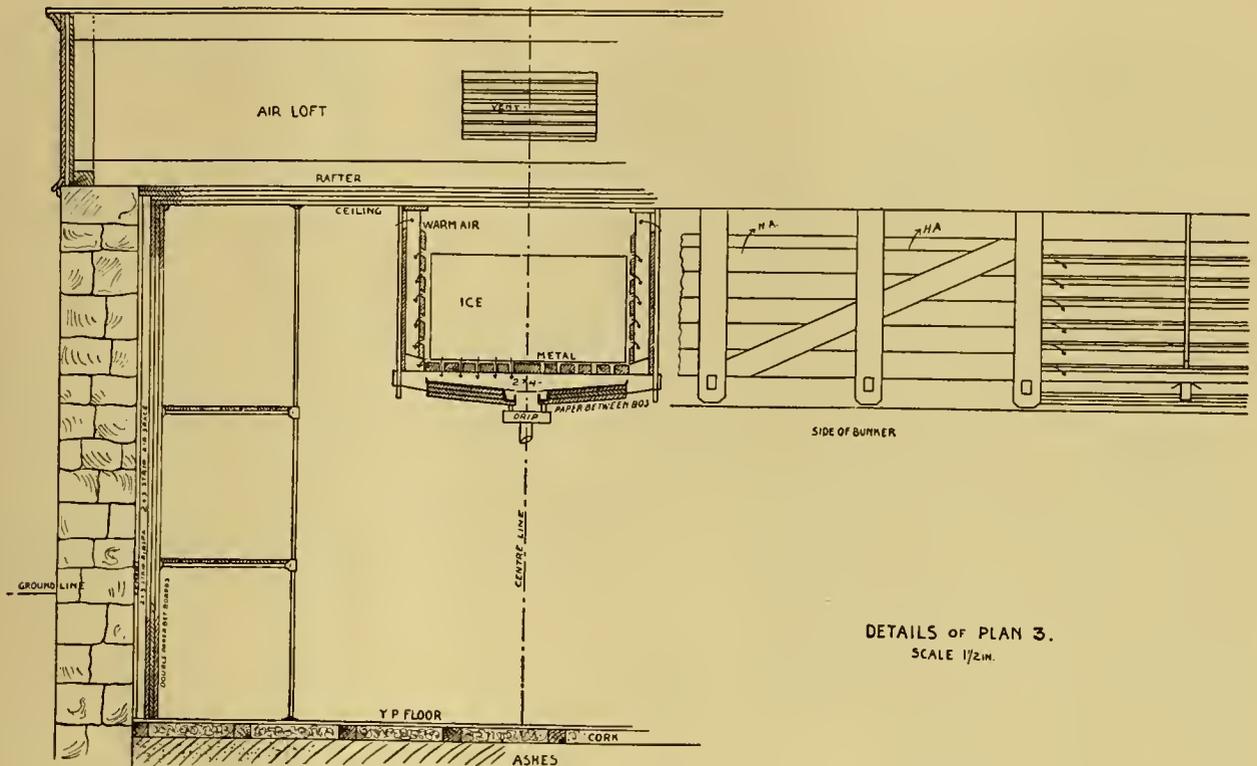
on and then the inside boarding. The walls come twelve inches above ground and have a window on each side, six inches high and thirty inches long, so that two or more windows can be opened to allow circulation of air. The windows must not be opened on the side on which the wind is blowing, as dust will come in. By watching this room you can keep roses for from one to three weeks in winter and from four to eight days in warmer weather. The room is in service from October 1 to June 1, when recourse is had to regular ice-boxes. If this room is entered direct from outdoors, a storm door must be built and the outside door must always be shut before the inner one is opened. This plan seems to recommend itself for its simplicity. Doubtless many growers have a cellar that could be turned into such a room without much expense.

Now, we will turn our attention to the plan of a room which has been caring for the cut of some 50,000 feet of glass, devoted to roses alone, near Philadelphia, and is recommended for its simplicity. The size of the finished room is about 8x12 feet and eight feet high. The side walls have 3x4 studs, put the three-inch way, then a lining of one-inch boards, the space between filled with powdered charcoal, one ton being used. Next



·DETAIL PLAN 2·
SCALE 1/2 IN.

PLAN OF A COOLING ROOM IN USE NEAR PHILADELPHIA.



DETAIL SKETCH OF COOLING ROOM OF THE FLORAL EXCHANGE, EDGELY, PA.

comes, on each side, an air space of one inch; then a lining of boards; another one-inch air space and a final lining of boards inside; then on the outside the drop siding, making a wall thirteen inches thick over all, with four air spaces, each one lined with building paper, sides as well as ceiling, and six linings of boards. The ceiling is made in a similar way except that the rafters are six inches deep, giving a six-inch space to be filled with charcoal. The ceiling is made to have a slight rise and two one-inch pipes are run through the ceiling, at the highest point, to allow escape of hot air. These pipes have a metal cap in the cool room, to control the outlet. The floor is of cement, with a link of terra cotta pipe, set upright, with the bell of the pipe flush with the floor. At the bottom of the pipe, which is three feet long, is a French drain, so that surplus water can be disposed of without carrying it out.

The ice bunker is made large enough to receive cakes of artificial ice, is lined with galvanized iron and runs the entire length of the box, where the drip runs off in an iron pipe to a small barrel, from which an overflow pipe runs outside. This bunker, into which the ice is put from outside, works well; but it seems feasible to assume that it would give off more cold air if openings were made on the sides low down, the only opening at present being all along the top, which must do duty as an escape for cold air and an intake of warmer air. This box was always quite dry when seen by me, and the flowers sold from it speak for themselves. The owner offers the suggestion that an air-loft with a shingle roof be built over it to keep off the sun and to give air circulation. The ice bill is \$2 per week in summer and \$1 in fall; and often there is none in winter. The room is entered from the packing shed; the door is made as thick as the walls and rebated in regular refrigerator style. I am not able to give the cost of this box,

but any carpenter can supply the figures, as it is of simple construction.

A letter just to hand from the owner of the box contains the following: "While any carpenter can build this box, it is a broad question with us whether it would not be economy, in the first place, to employ a practical refrigerator builder; in other words, while the expense at the first off-start might be greater, would there not be economy, in the long run, by the saving in the consumption of ice and the consequent less expenditure on that item? It takes practical knowledge to build cooling rooms for roses as well as it does to grow roses." All of which agrees with my remark in a foregoing part of this paper.

In constructing the cooling room which we find very successful at the nurseries of the Floral Exchange, Edgely, we had at hand an icehouse 14x18 feet, adjoining our packing room, which we used as a basis. We first stripped the stone walls with 2x3-inch strips, then put on two linings of one-inch boards and four layers of heavy paper, the inside lining being of poplar. The sub-ceiling had four linings of boards and four layers of paper. It is important to let the paper lap around the corners of the box and to use a quarter-round bead to cover the joint after the lining is up. The floor had a bed of ashes, then three inches of granulated cork, in which were laid the sleepers to receive the yellow pine flooring. This plan was adopted by the builder, owing to the damp nature of our ground at that point. One small window, double glazed, opens to the north. The ice bunker, well designed for its purpose, runs across the center of the box, the ice being put in from the outside. The size of the bunker is five feet wide over all, three feet nine inches high and twelve feet long, holding two tons of artificial ice. Cold air is emitted from the lowest point and also from six openings, one and a half inches wide, running the whole

length of both sides of the bunker. The warm air strikes the covered sides of the bunker and finds its way to the top. For fuller explanation see detail sketch. The drain is run off in a metal pipe covered with wood to avoid moisture. Overhead we have an air loft three feet high, with openings on three sides and a vent in the roof. The racks for the shelving are made of three-quarter-inch pipe, and the shelves are of poplar, this being the best wood to use for all inside work.

The size of the room is fourteen feet long, twelve feet wide and ten feet high. We can put in it 10,000 roses at one time if necessary. We have tested the keeping quality, with the result that roses kept for two weeks, provided they were not sprinkled before they were placed in the room. The temperature varies from 50° with an outside temperature of 97°, to 45° in winter. In extreme weather, when the thermometer was 10° above, the temperature got as low as 28°, as we were running the room without any ice at all; but upon our placing some ice in the bunker, the temperature rose to 42° and we had no further trouble. The weekly requirement is two tons in summer and one-half ton in winter, but from this same supply we get all the ice that is used in packing roses for shipment. This room is free from moisture, and one can light a match on any part of it. Its cost was \$300, this being only for the interior work, as the walls and roof were already in place. Letters patent cover the design of the bunker used in this room. Any one wishing to use it will please address the Thackara Refrigerator Co., Philadelphia.

At Hinsdale, Ill., we may study what has been called "the best cooling room in the west." The details have been kindly furnished by Bassett & Washburn, who write that the house was designed for them by the general superintendent of the Armour Refrigerating Company and that he has spent much time in perfecting

the plans for it. This is a large affair, being fifty feet long, twenty-four feet wide and twenty-eight feet high from basement floor to the eaves. It cost, a few years ago, \$1,500, but Bassett & Washburn think it could not be duplicated now for less than \$2,500. The size is larger than is needed by most of us, but the construction can be applied to smaller houses. The basement, of stone, is eight feet high, and the walls are cemented on both sides. The floor is four feet below the ground level, is made of cement and drained by two 3-inch drains. Two small double-glazed windows give light. The upper walls are built as folls. The uprights are made of 2x6 inch joists, sheathed on the outside with 1-inch boards; with then a layer of heavy wax paper, on which are nailed 1x2 inch strips, to form an air space and to take the drop siding. On the inside first comes the sheathing of 1-inch boards against the studs, then a layer of best 1-inch hair felt, fastened in place by 1x2-inch strips and covered with a layer of wax paper. Over this comes the last line of 1-inch sheathing boards, on which are nailed 2x2-inch strips to keep the ice from bruising the lining, making a wall thirteen inches thick, exclusive of the 2x2-inch strips. A sub-ceiling (details not sent) separates the ice chamber from the air loft, which has a high pitch, shingle roof with vents in the ends and two in the peak. The frame sides above the stone basement are twenty feet high to the eaves, and on one side is provided a door through which ice may be put in. The house will hold 150 tons, but ordinarily only 125 tons are put in; and when once filled the house is not re-opened until the next year's supply is secured.

The cooling of the flower room is accomplished in this way. Beams 4x12 inches, placed eight inches apart, run across the ceiling, to support the weight of ice above. A zinc floor is then laid over the beams, covering the entire space, with a "V-shaped" gutter formed between each beam. In this gutter is collected the drip from the ice-chamber, cooling by contact the air of the storage room. During warm weather moisture forms on the gutter, caused by the frequent opening of the door to bring flowers in. This has been overcome by making small gutters of wood under the zinc, to catch the drip, which is slight at any time and only occurs in hot weather. All drips are collected in closed drains and run outside. On the zinc floor of the ice-chamber are placed 2x4 inch joists, six inches apart, to receive the ice and protect the zinc floor from injury. Warm air vents run independently from the ceiling of the flower room to outdoors to remove warm air. What moisture is needed is obtained from the pots of water in which flowers are placed. Bassett & Washburn recommend that a large vestibule be built in front of the door to the cool room, to prevent the rush of hot air every time the door is opened. It is also an excellent place in which to keep carnations, lilies of the valley, sweet peas, violets and *Harrisii* lilies, by hanging a curtain in front of the door to keep the air off. While this house was costly to build, the owners write that they would not be without it for ten times its cost and if it gives them the same comfort that ours gives us, we can very easily believe them.

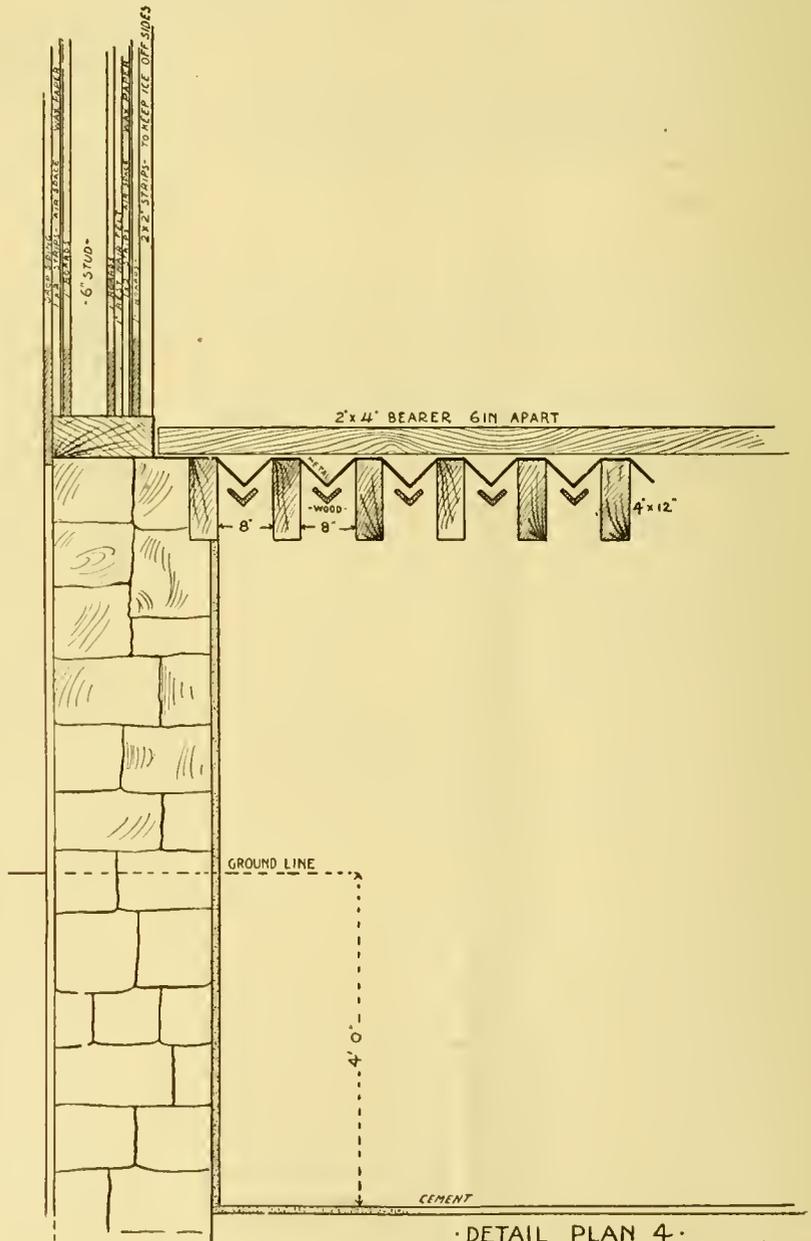
Many of us hope that the day of ice is passing away and that we may find it to our advantage to put ammonia plants in large places. I am indebted to Samuel S. Pennock for the following description

of his successful plant, and beg to read his letter in full.

"The cost of plant, including compressor, electric motor, condenser, belting, shafting, piping, cooling tank, small outfit for making fifty pounds of ice daily, placing all machinery, piping, etc., in position, also including insulation of two rooms, each twenty-one feet long, ten feet wide and eleven feet high, with shelving and two patent doors, was about \$2,700, not including the outside wall of the building. Each room gives us about 450 square feet of shelving area. The temperature is kept at about 50° in summer and at 40° to 45° in winter. When the thermometer outside is 40° or less, the machine does not have to run, as we open the windows and admit the cold air from outside. The windows are tripple-glazed and have an adjustment of "daylight" prisms to give service in the day and save electric light. During warm weather the machine has to be run about four to five hours a day, at a cost of 30 cents an hour. Of course if the doors are being opened and shut with

unusual frequency, then the machine has to be run longer. The running of the machine requires very little time and attention, any careful, level-headed man being able to run it. Ten to fifteen dollars' worth of ammonia is needed in a year.

"Our system is the direct expansion ammonia system, which is preferable in small plants, and was installed by the Remington Machine Co., of Wilmington, Del. We have been very much pleased with the results so far, for, besides being a great help and convenience to us in our business, it is much cheaper in cooling a space of the same size than with ice, and gives a more satisfactory air. The air is drier, and for carnations there is no comparison, as it keeps them two or three times as well. The rooms are so arranged that one may walk in. They have a tier of shelves around the sides and a tier in the middle with alleyways between, access being had to every part. The pipes are all overhead, with drip pans underneath to carry off the water when the frost on the pipes melts. The cold



DESIGN OF BASSETT & WASHBURN'S COOL HOUSE AT HINSDALE, ILL.

air opening runs down the center of the room, and the warm air intakes on the sides. The cold storage people are very particular to have the room well insulated, and in ours the insulation, which was put in by the Ridgway Co., consists of the following: First, a coat of asphalt paint on the brick walls; then a 2-inch space filled with ground cork; then two 7/8-inch yellow pine boards, tongued and grooved, with layers of brown building paper between them. Next come five layers of paper with 1/2-inch air space between each; then two more 7/8-inch boards, t. and g. yellow pine, with two layers of paper. The floor rests on brick arches coated with asphalt, then a good layer of locomotive breeze, finished off with a layer of cement. The cooling apparatus is directly under the floor. The entrance door (made by Stephenson, of Chester, Pa.,) is very satisfactory, as it does not bind and the latch works easily with one hand."

The letter of Mr. Pennock is surely to the point and I recognize that we are all indebted to him for the most valuable part of this paper.

In conclusion I would like to call your attention to an article that is worth a trial by those of you who are troubled with damp air in your cool rooms. It is a preparation of the Pennsylvania Salt Manufacturing Co., which can be had at groceries and drug stores at a cost of 25 cents a package, and is named "Humidine." My attention was called to it by one of our wholesale dealers, who had tried it for two months with the result that his box was perfectly dry and he could then keep carnations and sweet peas where formerly the drip and moisture in the box were quite detrimental to them. One package was enough for two months in a box 4x10 feet.

Celosia Pyramidalis.

Get a good strain of *Celosia pyramidalis* of either the crimson or yellow variety, and you will find them most useful for the conservatory, bedding, or as market plants for decorations. During the last week I have used a number of plants of the crimson variety for three successive decorations and they came home looking none the worse for their outing. Unfortunately they come in a little late for the season when such material is most in demand, but they compensate for this by the fact that they last such a long time, and when trade is intermittent this is a decided advantage, for they will brighten the store and may be depended upon for any emergency.

Now with regard to their culture; the seeds should be sown early in February, the young plants to be grown on in heat and as close to the glass as possible. They should be kept in the small pots until the flower spikes show, when they may be potted on, using good, rich compost and potting firmly. They may be kept in heat until the feathery spikes of the inflorescence are well developed, after which they may be exposed to cooler treatment or planted out. Fully exposed to all the light and sun the crimson variety will be very bright and the same plants will last in good condition well on through the autumn. Plants with the feathery portion well developed and few flowers last much longer than those upon which the real flowers are plentiful. A liberal supply of manure when the pots are filled with roots will materially aid in the development of the flower heads.

H.



NEPHROLEPIS WITTBOLDII.

Wittbold's Nephrolepis.

The George Wittbold Company will next month begin the distribution of plants of the fern which they have registered with the Society of American Florists as *Nephrolepis Wittboldii* and to which reference has been made in these columns from time to time during the past three years. It was in 1897 that the parent plant of their stock appeared in a bench of the Boston fern. It was so distinct that it was set aside, but little attention was paid to it for a year or so; then the patronymic of the firm was attached to it and its ultimate introduction to the trade decided upon. It is a rapid, robust grower and the stock now numbers more than 4,000 plants. The illustration shows the general character of the plant. The Wittbolds claim for it all the merits of the Boston fern, with added grace and fronds three times the width of those of equal length on the Boston fern. The convolutions of the pinnae are one of its distinctive characteristics.

When in Doubt—Send Flowers.

"When in doubt, lead flowers"—such would seem to be the cardinal rule in the social game. The flower, in fact, has come to be an established factor in the economy of society—an important part of its subsidiary coinage, so to speak. It congratulates, it concedes, it acknowledges; therefore its uses and misuses and abuses are well worth a moment's consideration.

In Mr. Aldrich's well-known verses three roses, plucked from the same bush (or sold over the same counter—for the blight of "business" is upon the whole floral kingdom), meet three diverse destinies. What would have been the fate of a fourth? Would it have withered in the hot, vitiated air of a ballroom, or frozen during a late November constitutional from house to office, or—worst of all—have been forced to adorn the tri-

umph of some alderman-elect? For the flower has finally been pushed into politics; it cooperates with other flowers to compose "tributes." May the very excesses that have followed its advent into the municipal council chamber lead us back presently to the region of sense and propriety! When the chaste hands of Alderman Hooligan's supporters "bring lilies" to celebrate the return of the crime-broker-in-chief to his honored post, or when Alderman Casey's "Indians" jubilate over the success of toughness by means of a seven-foot chieftain done, tomahawk and all, in red carnations—then, surely the pathway toward reform should invite us, nor invite us in vain.

Essentially the carnation Indian is no worse than the "broken column" or the "wedding bell;" the results form the same idea pushed a little further, and denote a like perversity of thought and a like falsity of taste. Let us banish the incongruous, which is often only another word for the over-ingenious. In the case of flowers, a little right feeling is worth all the ingenuity and "appropriateness" in the world. Let us revolt from the rule of the professional florist, whose taste is usually as bad as that of the professional hairdresser, and whose virtuosity, when allowed its way unchecked, is as far-fetched and intolerable.

And along with incongruity, let us banish lavishness. Mass, bulk, mixture, pressure—all these are death to the flower. Try, with the Japanese, to consider the flower as an individual, and treat it with the sentiment that an individual may inspire; nobody can care for a mob—not even a mob done up in a flounce of lace paper. If a bouquet is really imperative, then let it follow the slow suavity of an *andante*; between a scramble of sound and a jumble of color there is but little choice. Avoid both. Give each note, each flower its chance. In brief, the flower asks of us only what the material employed in every art and metier may ask from the shaping and

directing hand. The rules are but two—moderation and harmony. "Do not heap us up, do not join us together; such excess is vulgar. Do not wire us on toothpicks and force us into the similitude of all the 'appropriate' objects to be encountered in the heavens above or in the earth beneath; such misplaced and misjudged ingenuity is heinous—a stout negation of any claim to taste, to sentiment, to respect for nature's finest handiwork."—*Saturday Evening Post*.

A Simple Bench Support.

The accompanying illustration shows a simple device which John D. Twombly is using as a bench support at Winchester, Mass. It is just a rough casting made to fit down over the end of a piece of pipe; it just sits on and is not screwed. The upper part is fitted to hold up a cross pipe of the same size. This suggests a good use to which old, discarded pipe may be put, one of its best features being that it can be taken apart in a moment.

Canadian Horticultural Association.

The third annual convention of the S. A. F. of the Dominion was convened at Natural History Hall, Montreal, Can., on Thursday, August 16, the acting-mayor of the city delivering an address of welcome in the unavoidable absence of Mayor Prefontaine. The convention was a success from the moment of coming to order, the attendance being satisfactory and the interest very much alive.

The welcome to the city was responded to by F. C. Miller, of Toronto, who was followed by President James McKenna, who made his annual address. Secretary A. H. Ewing presented his annual report, in which he related the work of the Association during its brief career, and particularly since the Ottawa convention a year ago, and Treasurer John H. Dunlop reported upon the financial condition of the organization, which has \$36.50 in the bank.

A resolution of condolence was adopted and ordered sent to the family of the late first vice-president of the society, H. Dale, of Brampton. A resolution was adopted requesting the federal government to have Canada represented at the Pan-American Exposition in 1901.

The evening session on Thursday was opened by the president, who introduced Dr. Campbell, who spoke a few words in favor of wild flowers. S. S. Bain, of Montreal, read his paper, "The Advantages of Organization in Our Business," and J. H. Dunlop, of Toronto, discussed "Roses Up-to-Date." G. Robinson, president of the Montreal Gardeners' and Florists' Club, addressed the association on the subject, "How to Make a Private Place Most Attractive." Each paper was followed by a lively discussion.

The second day's session of the society was favored by very fine weather and showed increased attendance. The essay of Prof. James Fletcher came by mail and was read by H. Simmers; it was followed by a lively discussion of insecticides and plant diseases. T. Manton, of Eglinton was then heard on the subject of "Herbaceous Plants," and made his remarks decidedly interesting. A gentleman from Nova Scotia talked on conditions in his district, and then the question of wages for greenhouse employes came up for discussion. S. S. Bain, J. H. Dunlop and others spoke and Wm. Scott, of Buffalo, contributed not a little to this and other debates.

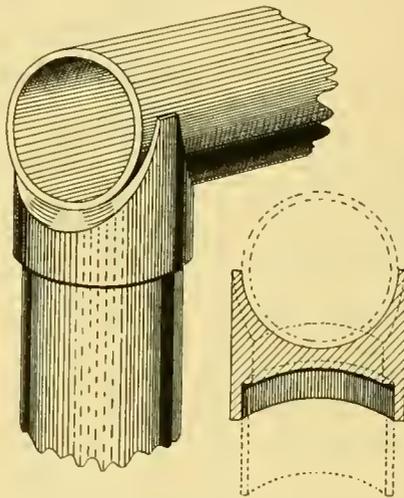
Wm. Gammage, who is some times called the father of the Canadian Horticultural Association, invited the society to meet at London next year, and the vote in favor was unanimous.

The various recreative features of the programme were conducted as planned and the convention was pronounced by far the best in the history of the organization. G. V.

New York.

ROUSING MEETING OF THE FLORISTS' CLUB.—CONVENTION PRELIMINARIES PRONOUNCED COMPLETE.—ORATORY AND MUSIC AMID SMOKE.—BUSINESS CONTINUES AT THE USUAL SUMMER LEVEL.—NOTES.

The meeting of the Florists' Club on Monday evening, August 13, was a rouser. Nearly seventy-five members were present and if the S. A. F. convention should confer no other benefit on New York than making possible the harmonious, fraternal atmosphere that pervaded this club meeting it has in this alone paid well for all the effort and anxiety involved in the preparations. As to business, most of what was done was in connection with the final details of convention preparations, and, as by the



DEVICE FOR BENCH SUPPORTS.

time this meets the eye of our readers the machinery of the big event will have almost commenced to move, further account of this feature is not necessary, more than to say that there is no lack of either money or enthusiasm and no hitch of any kind in the arrangements now perfected to make this an event in every respect worthy of New York and her honored guest.

A letter was received from Superintendent Scott of the Pan-American Exposition offering to all who should apply, diagrams and complete information relative to the horticultural department of the exposition. J. N. May was appointed a committee to express in the form of a club resolution the sympathy extended by every member to Edwin Lonsdale and family in the sad bereavement that has recently overtaken them. Daly Bros. exhibited their beautiful pink sport from Geranium Contract, named 'Lounpeck', and a favorable report on same was made by the exhibition committee.

All regular business having been attended to the meeting resolved itself into

a "smoker" under the care of the entertainment committee. John Westcott, of Philadelphia, responded to a call for a speech by saying that after seeing the scores made at New York that afternoon his faith in Philadelphia's ability to capture all the convention trophies had been rudely shaken. Sam'l Henshaw, just returned from Europe, gave an entertaining account of his visit to the Crystal Palace rose show and the sweet pea exhibition at London, also a very guarded narrative of what he saw in Paris. Harry May, home from Richmond, Ind., on a visit, endorsed the advice of the late Horace Greely and told why he liked the west better than the east. Mr. Philcox, late of St. Louis, Mr. Atkins, fresh from a foreign trip, and others were drawn upon for pleasant remarks, and Messrs. Plumb, Cleary, Butterfield, Wallace, Stewart, Le Moul, Schmutz, Birnie and Herrington contributed with great success to the musical department of the affair. A talk on the Chinese question by Alderman Morris and a dance by Mr. Hogan were received with unbounded enthusiasm. Altogether it was a royal good time.

Business continues at the regulation summer notch and very little worthy of record has transpired during the week. A hail storm on Sunday afternoon took some of the Long Islanders by surprise, smashing glass more or less severely about Woodside, but that was nothing compared to the astonishment created by the tour of a certain Fifth avenue florist through Twenty-eighth street one morning this week endeavoring to get a \$60 check cashed. It might as well have been \$60,000, the Twenty-eighth street people say.

Dunne & Co., who have come to be strong factors in the sheep manure market, have just installed a mill at their factory with capacity for pulverizing fifty tons a day.

Lena Hart's store on Madison avenue was burned out on Friday, August 10.

Philadelphia.

TRADE CUT DOWN BY EXTREME HEAT.—SOME GOOD STOCK AVAILABLE BUT PRICES ARE LOW.—MINGEY LEAVES THE PARKS.—MICHELL'S NEW STORE.—FINE PALMS AT HARRIS'.—OTHER NOTES.

As the hot weather continues, and the glass now registers 100° or over in the shade daily, it certainly has a quieting effect on business. Things now seem to be at the lowest ebb. The peddlers who go the rounds every morning have a tired, dejected look that comes from the oft repeated remark, "No; nothing to-day." As a consequence, prices are away down. Very fine Kaisers are offered at \$2 per hundred by these gentry, as good in fact, as the commission man from his ice box demands \$4 to \$5 for. There are more of them about now, as the summer houses all appear to be in full crop. Some very fair LaFrance are seen; the color is better and the few inches of extra stem they have attained make a great difference in their appearance; \$3 to \$4 per hundred is high. Adolph Fahrenwold is sending some very fair new crop Beauties to S. S. Pennock. Hydrangea paniculata is in and is a great help to the white design artists. Asters are getting scarcer, particularly white stock.

Thomas Minge, who has had charge of Horticultural Hall and grounds in Fairmount Park for the past twenty-five years, has resigned. Mr. Minge has

displayed great ability in the management of this portion of the park grounds and conservatories. The bedding about Horticultural Hall has always been attractive and often unique. The city press has frequently commented favorably in its editorial columns on its appearance and the long, depressed flower bed or plateau at the west end of the hall has almost a world-wide reputation. All this has been kept up under his supervision and untiring attention, as the appropriations have been often, if not always, very meager for the maintenance of this portion of the work. Here is an opportunity for a public pleasure ground or large private estate to get a good superintendent, as Mr. Minge, who is just now in the prime of life, with the knowledge derived from such long experience, is open for such a position.

Henry F. Michell has the alterations to his warehouse and storerooms, 1018 Market street, well under way. When finished there will be a fine basement 20x190 and five floors each of the same dimensions. A freight elevator at the rear and an electric passenger lift in the center will make all but the top floor, which is reserved for grass seeds, available for wholesale and retail business. It is a great improvement and when finished will certainly make a grand store, which we will take pleasure in further describing.

As convention week draws near, time seems to fly and the day of departure will surely find some with work still to do before they can get away. The greater number of the delegates will go Tuesday afternoon, but there are many who say that Tuesday morning will suit them better. When they do all get away there will hardly be a corporal's guard left to make up the funeral designs and attend to the watering. It should certainly be the banner visiting delegation.

W. K. Harris has of late years been making a specialty of specimen decorative plants. The particular stars of his collection this season are some \$75 arecas. They are certainly dandies and well worth the figure, and more, to anyone desiring such fine stock. Boston ferns are now favorites and divide interest with the rubbers. "Wm. K." was quite a while finding out the Boston fern but he now has it in all sizes and whole houses full of each.

The Floral Exchange trophy, the Queen of Edgely cup, together with the Detroit cup, have been displayed in Pen-nock Bros.' window the present week. They make a fine show and attract considerable attention from the passers by.

K.

Chicago.

STATE OF THE MARKET.—COOL, RAINY WEATHER SUCCEEDS THE HEATED TERM.—STOCK GRADUALLY RECOVERING.—GOOD FLOWERS SELL WELL.—SURPLUS OF OUTDOOR MATERIAL.—WHAT GROWERS AND BUILDERS ARE DOING.—VISITORS FROM AFAR.—NOTES HERE AND THERE.

Things are a little better this week but Chicago has not yet fully recovered from the heat of the preceding period. In those eight scorching days before rain fell forty-four people died of the heat and the total death record of the city reached the unprecedented total of 577. Of course there was no trade so long as the high temperature held, not even funeral work despite the many deaths, for they were largely among the poorest class. With the first cool breath business picked up,

and it has been increasing ever since, but stock has suffered so greatly under the fierce rays of the sun that there was nothing left to do business with. A few days of reasonable summer weather have served in a measure to restore normal conditions but there are now too few good roses and carnations and too many that are distinctly bad. The demand for short Beauties is more nearly up to the supply but low prices still rule. The general average of all sales is also low because of the fact that very little can be done with the indifferent material which predominates. Sweet peas are not so plentiful but asters, gladioli and other summer flowers are still too many, cheap and slow sale. Of asters, particularly, the overstock is decided. There is considerable good stock but a great deal more that is almost unsalable at any price. It is facetiously related that some of the retailers who are occasionally favored with funeral orders now procure their material by standing in the door of some wholesaler's singing "Annie Rooney" or "Two Little Girls in Blue" until they have accumulated the required number of bouquets of asters, which doesn't take long but isn't always pleasant, for frequently some of the stock is pretty old.

The Wittbold Company is in the midst of a very considerable improvement to their place. They have added a long, high show house on the Buckingham place side, to the east of the store, and have built two houses in the rear, each house equipped with five benches, one of them being elevated, over the center aisle. This elevated bench has also been put in all the old houses which would allow it, and thereby they have gained the bench room of another house. A new boiler is being put in, a 60-foot stack is in course of erection and various other improvements are under way.

B. J. Blameuser, of 718 Wells street, married Josephine Gerbel a few months ago and the sea of matrimony has been so rough of late that last week he caused Josephine to be confined in the Detention Hospital, but Dr. Hunter, of that institution, after four days of her society, decided that she was not insane and induced Mr. Blameuser to withdraw the charge, with the result that his wife is now at the home of her relatives.

As an indication of the prevalent feeling of prosperity, it may be cited that the Moninger Company has this year built more greenhouses than during any similar period in its history and is now greatly rushed, so busy, in fact, that their Mr. Rupp will miss the convention for the first time in years.

U. J. Virgin, one of the leading members of the trade in the south, came up from New Orleans on Monday, taking advantage of the merchants' excursion which brought so many southerners to Chicago. He was enroute to the convention and will be here again for a few days on his way home.

H. Schiller's new conservatory on West Madison street, will be a great improvement over the old place, being one of the best in the city, and will put him in a position to do a big business there next season.

The Art Floral Co. has rented the J. B. Seward place, Forty-seventh street and Greenwood avenue, for a term of years and the managers contemplate building a store and range of greenhouses.

Mrs. E. H. Hunt returned this week from the lake resort at which she has been resting. At the same time C. M. Dickinson resumed the cares of business.

John Brod, who bought the Schiller greenhouses at Niles Center, now has two stores in town, having opened one at 616 Wells street and purchased F. Kitzinger's place at 867 Milwaukee avenue.

C. L. Washburn's family is summering near Muskegon, Mich., with a party of Hinsdale people, and Mr. Washburn goes over nearly every week to spend Sunday and perhaps a few other days.

George M. Garland, whose iron gutters are a feature of nearly all important greenhouse establishments in the west, will attend the convention and exhibit his specialty.

A. L. Randall is still at St. Joseph, Mich., where he went early in July, and is feeling foot loose and fancy free, with C. H. Fisk assuming the cares of the business.

John Blanck, at 160 Forty-third street, has renovated his establishment and is now resplendent in a new dress of white paint. He had a good season and expects another.

S. Garland, father of the iron gutter man will attend the convention. He was a western grower long before the war, when the population of Chicago was 30,000.

Daniel Branch has two big sago palms in front of his place on Indiana avenue, a sign which he who runs may read that an up-to-date flower business is close at hand.

Out at Washington Park Fred. Kanst has the geraniums and cannas in most attractive form. The latter advanced rapidly in the recent hot weather.

Walter Retzer is busy repairing the two high pressure boilers which heat his place and getting things into shape for a cold winter.

W. L. Palinsky is building a new and modern store at 66 Palmer avenue, with a palm house 18x75.

Vaughan's Seed Store and W. W. Barnard & Co. are now showing fine lines of seasonal bulbs.

McKellar & Winterson have just received a carload of fine new designs in metal wreaths.

E. Hobbs, out on Indiana avenue, is remodeling and modernizing part of his glass.

Mrs. Horton, of Bassett & Washburn's, leaves to-day for two weeks in Colorado.

Visitors: Albert Haish, of the Memphis Floral Co., Memphis, Tenn.; Wm. N. Campbell, secretary of the Park Nursery Co., Pasadena, Cal.; Emil Glauber, of Glauber & Webb, Denver; Chas. Siegl, Joliet, Ill.; H. C. Peterson, Lake Geneva, Wis.

WESTBORO, MASS.—Arthur George has purchased the greenhouse on the Brigham estate and will remove it to his own place.

MILWAUKEE, Wis.—John Mender has just installed a Furman boiler, purchased through Riemer & Radmer, who are working the greenhouse trade thoroughly.

BANGOR, ME.—Bangor's floral parade on August 9 was very successful. Many of the carriages, especially those decorated by Carl Beers, received favorable mention from the press and people. Among the many elaborate decorations the six-horse coach occupied by the Tarratine Club and decorated in yellow and white, proved very attractive. The float owned by Louis Kirstein, representing Real Estate, was very artistic.



THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

AMERICAN FLORIST CO., CHICAGO.

THIS ISSUE 76 PAGES WITH COVERS.

CONTENTS.

New York hotels.....	53
Right for right's sake.....	53
History of the S. A. F. medal (illus.).....	54
Plant life of New Zealand (illus.).....	55
Midsummer notes on aquatics.....	56
The calcification of sweet peas.....	56
New rose Pink Pearl (illus.).....	57
Summer work in the greenhouses.....	57
Campanula isophylla Mayii (illus.).....	58
Dahlia notes.....	58
Caruations—Solid beds versus benches.....	59
Chrysanthemums—Gulf coast notes.....	59
Roses—Diseased Brides and Bridesmaids.....	60
A hint to conventionites.....	60
With the growers—Peter Reinberg, Chicago, Ill. (illus.).....	60
Clematises for pot culture.....	61
Cool rooms for florists' use (illus.).....	62
Celosia pyramidalis.....	65
Wittholds' nephrolepis (illus.).....	65
When in doubt—send flowers.....	65
A simple bench support (illus.).....	66
Canadian Horticultural Association.....	66
New York.....	66
Philadelphia.....	66
Chicago.....	67
Fragrant mignonette.....	68
Society of American Florists.....	68
The white fly.....	68
Greenhouse building.....	68
Obituary—Father Langlois.....	69
—Louis Menand.....	69
—David G. Yates.....	69
The seed trade.....	74
—Onion sets.....	74
Juries at the Paris Exposition.....	74
The nursery trade.....	76
—At the Douglas nurseries (illus.).....	76
Our pastimes—At Detroit.....	78
—At Flatbush.....	78
—At Philadelphia.....	78
—At Chicago.....	78
—At New York.....	78
—Convention trophies.....	78
St. Louis.....	78
The Pan-American Exposition.....	80
Worcester, Mass.....	88
Grand Rapids.....	90
About novelties.....	92
Seeds and temperature.....	96
Helpful reminders.....	98
Denver.....	100
Baltimore.....	100
Washington.....	102
Buffalo.....	108
Seattle.....	114
Doronicums.....	116
Northern seeds.....	118

THERE has been a slight reduction in the price of double strength glass, except on greenhouse sizes.

ALL convention visitors are requested to add the letters "S. A. F." after their names on the hotel registers.

THE price of iron pipe, which has been soaring, is again within reach of a man with a moderately long pocketbook.

THERE may be some delay in starting the glass factories September 1 because of a difficulty over the question of wages.

MICHAEL WINANDY, the veteran greenhouse builder, says that by the use of iron gutters he can save ten per cent in the cost of construction.

THERE will be a supply of New York souvenir postal cards at the AMERICAN FLORIST stand in the convention exhibition hall. Ask the man for one.

THE American Florist Company's Directory supplies the only complete list of florists, nurserymen and seedsmen of America. It is invaluable to wholesalers.

THE first session of the New York convention of the S. A. F. will be called to order at 9:30 a. m., Tuesday, August 21, instead of at 10:30 as announced in the preliminary programme.

GENISTAS plunged outside should be partially lifted two or three weeks before taking in and the overlapping roots cut about one-half, thus inducing the plants to make fibrous roots in the pot and guarding against a sudden check in taking them in.

THE next issue of the AMERICAN FLORIST will contain a complete report of what cannot fail to be the greatest convention of the S. A. F. It will be a particularly valuable advertising medium. Send copy at once.

In view of the present scarcity of large sizes of Easter lily bulbs, renewed interest attaches to the illustrated article showing what Robert Craig & Son accomplished in 1899 by planting three 5-7's in a 6-inch pot. The article appeared on page 146 of the AMERICAN FLORIST for September 2, 1899.

THE late Benjamin Cant, the famous English rose grower, who died at Colchester recently, made his first great hit with roses in 1853, when he secured Gloire de Dijon, Jules Margottin and General Jacqueminot. In the course of his life he won 2080 silver cups, pieces of plate and first prizes for roses.

Fragrant Mignonette.

ED. AM. FLORIST:—Please state which variety of mignonette is the most fragrant? Size of spikes is a secondary consideration. H. N.

The most fragrant mignonette, all things considered, is the true Miles' Hybrid Spiral, but there are several factors which affect the fragrance of mignonette and if it is grown under unfavorable conditions, the odor is very materially damaged. To produce the sweet, refreshing fragrance it should be grown cool, with an abundance of air in all favorable weather, and when cut and put in water it should never be allowed to stay in the same water over twelve hours, but should be changed at least twice daily, cutting a small piece off the bottom of the stem each time the water is changed. Then mignonette can be kept sweet in an ordinary dwelling room temperature for six or eight days. JOHN N. MAY.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The Geo. Wittbold Co., Chicago, Ill., registers Nephrolepis Wittholdii, originated in 1897. Fronds two and one-half to three feet long and ten to twelve inches wide; pinnae undulating or wavy in all growths; texture leathery.

WM. J. STEWART, Sec'y.

The White Fly.

ED. AM. FLORIST:—I am troubled with a white fly in the greenhouses during the winter months and wish to know of a remedy. Unlike many other greenhouse pests, this one flies. It seems to favor the heliotrope, tomato and cucumber. It is very plentiful toward the latter part of spring and hard to destroy. Tobacco smoke appears to have no effect on it and I have used slug shot, tobacco dust and fir tree oil without success. About a month ago I cleaned out one house and gave it a thorough fumigation with sulphur; but now I find a few of the pests are making their appearance again. W. D. T.

There is only one sure remedy for the white fly that infests tomatoes, etc. It is the x1 all fumigating compound. This is costly apparently, but not really. Try a sample 2-ounce bottle and use according to directions. It will kill all aphides, thrips and mealy bugs. E. O. ORPET.

Greenhouse Building.

Blackington, Mass.—Geo. H. Phelps, one house.

Westboro, Mass.—A. H. Brown, two houses.

Westerly, R. I.—S. J. Reuter, six houses.

No. Beverly, Mass.—C. Morrissey, one house.

Newport, R. I.—E. J. Berwind, range of houses.

Lynn, Mass.—Smith & Dolanski; carnation house 18x100.

Minneapolis, Minn.—John Monson, five houses 16x150, one 30x50.

Malden, Mass.—Ed. Kaulback & Son, two houses 20x100.

Des Plaines, Ill.—Warren Garland, two houses 27x250.

Melrose Highlands, Mass.—J. Walsh & Son, house 35x90.

Saugus, Mass.—A. Rhodes, house 20x75.

Lapeer, Mich.—W. H. Watson, range of 30,000 feet.

Waukesha, Wis.—Andrew Butchart, one house.

Coldwater, Mich.—D. Vogt, two houses 18x80.

Carlinville, Ill.—Browne Bros., one carnation house.

Iola, Kans.—Mrs. Geo. Waite, two houses 20x60. A. L. Harmon, two houses 20x85, one 20x70.

Wausau, Wis.—Chris. Lund, carnation house 20x50.

Arlington, Md.—E. A. Seidewitz, range of houses.

Danvers Centre, Mass.—B. F. Arnold, violet house 25x60.

Washington, D. C.—Geo. A. Leissler, two houses 18x100.

Owatonna, Minn.—Lord & Johnson, carnation house 10x100.

Rossville, Ill.—Jos. Culbert, house 16x106; one 16x80.

Sudbury, Mass.—Geo. Hemingway, one house.

New Haven, Conn.—F. G. Horn, violet house 15x100.

Albany, N. Y.—L. Menand, house 24x100.

OBITUARY.

FATHER LANGLOIS.

Father A. B. Langlois, an authority on Louisiana botany, died at Martinsville, La., August 1, aged sixty-nine.

LOUIS MENAND.

Louis Menand, the veteran florist of Albany, N. Y., died at his home August 15, aged 93. The late Mr. Menand's name is quite familiar to our readers, more especially on account of his autobiographical notes which appeared in these columns some years ago. Mr. Menand's entire life was devoted to horticulture. He was a native of Burgundy, France, and arrived in this country September 7, 1837.

DAVID G. YATES.

David G. Yates, a prominent nurseryman of Germantown, Philadelphia, died suddenly at Holland Springs, Maine, on Saturday, August 11, in his 64th year. The nursery was formerly conducted by Miller & Yates. Charles Miller, who is landscape gardener of Fairmount Park, sold out some years ago to Mr. Yates, who has since conducted the business under the firm name of David G. Yates & Co., although he was the sole owner.

BRAMPTON, ONT.—It is estimated that the Henry Dale estate is worth \$55,000, of that sum \$15,000 being in personal property.

SPRINGFIELD, O.—McGregor Bros. have incorporated with \$50,000 capital stock. The incorporators are Frank, David, Harold, Roy and Allan McGregor.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.
Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV (situations only) free to be used at any time during the year.

SITUATION WANTED—By reliable all-around gardener and florist; 12 years with orchids; English; worker. Address FLOREST, care Am. Florist.

SITUATION WANTED—By a sober, industrious man, an experienced florist and gardener. I prefer a small place. Address W H, care Am. Florist.

SITUATION WANTED—As manager or head gardener on private estate; good all-around man; German, married, no children. Best of references. Address C N C, care American Florist.

SITUATION WANTED—As foreman; successful grower of cut flowers and plants; capable of taking charge; single; age 33; 24 years' experience. References. Address 27 Beckwith Ave., Cleveland, O.

SITUATION WANTED—As foreman, by a first class grower of roses and cut flowers; general plantman; single, age 33. A first class place wanted. Best of references. Open for engagement now or later. Address GROWER, care American Florist.

SITUATION WANTED—As foreman by a first class grower of roses, carnations, mums, violets and decorative plants and forcer of bulbs. Only a first class place where good wages are given. Good references. D P N, 249 N Tenth St, Philadelphia, Pa.

WANTED—Man as assistant in carnation and rose houses. Call or write GEO. REINBERG, 301 Balmoral Ave., Chicago, Ill.

WANTED—Address of Louis Truxler, a practical and ornamental florist
THOS B. BULL, Bakersfield, Cal

WANTED—Florist for roses and general stock. State wages with board, and send references. Address I. L. FILLBURY, Galesburg, Ill.

WANTED—The address of Wm Lyons, formerly of Richmond, Va. He will find it to his advantage to send it to C T, care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRoe Garden, Memphis, Tenn.

WANTED—Assistant rose grower and willing to do general greenhouse work. State wages wanted. References required. Address JOHN BROS., 349 W. North Ave., Chicago.

WANTED—Man who understands general greenhouse work on small commercial place near city. Ten dollars per week and room. Call or write Room 15 Tribune Building, Chicago.

WANTED—An experienced gardener, must understand growing ferns, palms and all decorative plants and good bedding stuff. Address ART FLORAL CO., 3307 Cottage Grove Av., Chicago.

WANTED—A competent man to grow roses, carnations and general greenhouse stock, to take charge and work. State wages wanted. Send references. Address M G, care American Florist.

WANTED—A girl of good appearance for flower store, forty miles from Chicago. Board with employer. State experience if any and wages wanted. Good home and steady employment. Address E B, care American Florist.

WANTED—A helper with experience, to propagate and do general greenhouse work; married man preferred, must be strictly temperate. State wages expected with house and coal furnished. Address THE MORRIS FLORAL CO, Morris, Ill.

WANTED—An up-to-date rose grower, to take charge of a block of houses at a large commercial place, where a good grower only is wanted. Wages \$35.00 and board, or \$50.00 without board. Address S T, care American Florist.

WANTED—A florist who can grow roses, carnations, mums and general greenhouse stuff; must be a good worker; none other need apply. State wages and reference; good salary to right party. Address J F M, care American Florist.

WANTED—Man with some knowledge of general greenhouse work, to take charge or assist owner in small greenhouse. State age, if any experience, wages with or without board, etc. References required. Lock Box 219, Sterling, Kansas.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds. Bargain. W. L. WINN, White Hall Ill.

FOR SALE—Pots, from 2 1/2 to 3 1/2-inch. Big bargain. Address MRS. BOCKELMANN, White Hall, Ill.

FOR RENT—Four greenhouses 14x7, with office 2 1/2x23, with rooms. Call at 114 School St., Chicago.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only \$500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Extra good second-hand 3-inch pipe at 60. per foot; also some 4-inch; secure it while it lasts. Address W. H. SALTER, Rochester, N. Y.

FOR SALE—Steam heat free, greenhouse with piping, water works. Splendid chance for right party. Account lady unable to tend it. Address MISS ELIZABETH JOHNSON, Bowling Green, Mo.

FOR SALE—Entire or one-half interest in a good business. Growing city of 20,000. Hot water, 5,000 feet of glass. Most excellent opening to reliable person. Must sell soon. B B A, care Am. Florist.

FOR SALE—Lease stock etc. of place of 50 (feet of glass in Chicago suburb all in good condition. Stock first class and more than is needed. Will sell very cheap; cash wanted. Reason for leaving am going to Europe. Address J D, care American Florist Chicago.

SALESMAN WANTED

In our Flower Seed Department. Must be thoroughly familiar with Flower Seeds and Bulbs. Also acquainted with the Florists' trade.

W. W. RAWSON & CO., Seedsmen,
12 & 13 Fanenll Hall Sq., BOSTON, MASS.

A Foreman...

To grow good Roses and Carnations. Married man, with small family; must be a steady man and a good worker to grow for retail store.

M. J. LYNCH, Poughkeepsie, N. Y.

For Sale.

200 boxes 10x12 and 10x14 A double thick glass at \$3.00 per box F. O. B. Chicago or \$2.80 on place not boxed.

GEO. REINBERG,

301 Balmoral Ave., CHICAGO ILL.

TO RENT.

In a town of fifteen thousand population, eight miles from Boston, on main street, electric cars pass the door; four greenhouses, heated by steam, thirty thousand feet land. Dwelling house can be used for two families. Good retail trade. Apply to

P. WELCH, 15 Province St., Boston, Mass.

FOR SALE.

A florist establishment for sale, consisting of 13,000 square feet of glass, in good condition. Heated by steam; in the city limits, located in a city of 18,000 inhabitants on the Mississippi river in Iowa, with several acres of land and dwelling house; must sell soon on account of old age. For further particulars address

L C K, care American Florist.

FOR SALE With 10 Year Lease,

One of the best places in Chicago.

This is a rare opportunity; if you have some cash, talk it over with me.

T. J. CORBREY,
1409-1411 W. Madison St., CHICAGO.

FOR SALE

240 acres of land on Isthmus of Tehuantepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

For Sale.

Oakland, Cal.; an elegant piece of property, 160 feet front by 145 feet deep. Ten minutes' ride from the center of the city. Three large greenhouses, each 116 ft. by 25 ft., well stocked. Elegant cottage of 7 rooms. Gas fixtures and all conveniences. Owner compelled by circumstances to go to Alaska gold fields and must sell quickly. Cost \$7,000. Will sell at great reduction. Write for price.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

NOTICE

STOCKHOLDERS' MEETING.

CHICAGO, July 21, 1900.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Murray Hill Hotel, New York, N. Y., Wednesday, August 22, 1900, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

F. R. PIERSON, Pres.
M. BARKER, Sec'y.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Wholesale Flower Markets

CINCINNATI, Aug. 16.

Roses, Bride.....	2.00@ 3.00
" Bridesmaid.....	2.00@ 3.00
" Meteor.....	3.00@ 4.00
" Perle.....	2.00@ 3.00
Carnations.....	.75@ 1.00
" fancy.....	1.50@ 2.00
Gladioli.....	2.00@ 4.00
Tuberoses.....	3.00
Asters.....	.75@ 1.50
Lilies—Album and Rubrum.....	4.00@ 5.00
Smilax.....	12.50
Adiantum.....	1.00
Common ferns.....	.15
Asparagus.....	50.00

ST. LOUIS, Aug. 16.

Roses, Bride, Bridemaid.....	2.00@ 4.00
" Beauty, 10 to 15 inch stems.....	4.00@ 6.00
" Perle.....	2.00
" Meteor.....	2.00@ 4.00
Carnations, common.....	.75@ 1.00
Smilax.....	12.50
Adiantum.....	.60@ 1.00
Tuberoses.....	3.00@ 5.00
Asters.....	.75@ 1.50

MILWAUKEE, Aug. 16.

Roses, Beauty, long, per doz. 1.50@2.00	
" " med " .50@1.00	
" Bride, Bridesmaid.....	3.00@ 4.00
" Meteor.....	4.00@ 5.00
" Kaiserin.....	4.00@ 6.00
" Golden Gate.....	4.00
Carnations, ordinary.....	1.00
" fancy.....	2.00
Auratum lilies.....	15.00
Adiantum.....	.75@ 1.00
Common ferns.....	.25
Gladioli.....	2.00@ 3.00
Asters.....	.50@ 1.00
Smilax.....	15.00
Asparagus.....	65.00
Galax leaves.....	.20
Sweet peas.....	.15

PITTSBURG, Aug. 16.

Roses, Beauty, fancy.....	20.00@25.00
" " extra.....	10.00@15.00
" " No. 1.....	5.00@ 8.00
" " culls.....	2.00@ 4.00
" Bride, Bridesmaid.....	2.00@ 6.00
" Meteor.....	2.00@ 6.00
" Perle.....	2.00@ 4.00
" Cusin.....	2.00@ 4.00
Carnations, ordinary.....	.50@ 1.00
" fancy.....	1.00@ 1.50
Lily of the valley.....	2.00@ 4.00
Sweet peas.....	.10@ .25
Daisies.....	.25@ 1.00
Smilax.....	12.50@15.00
Gladioli.....	1.00@ 3.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
" Sprengerii.....	.25@ .35
Dagger ferns.....per 1000, 2.00	
Asters.....	.50@ 2.00

DENVER, Aug. 15.

Roses, Beauty, select.....	12.50@20.00
" " ordinary.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 5.00
" Meteor.....	5.00@ 6.00
" Perle, Wootton.....	3.00@ 5.00
Carnations, ordinary.....	1.00@ 2.00
" fancy.....	2.00@ 2.50
Lily of the valley.....	4.00
Callas.....	12.50
Harrisii.....	12.50
Sweet peas.....	.20@ .30
Asters.....	2.00@ 4.00
Asparagus.....	60.00
Smilax.....	15.00@18.00
Ferns.....	.30

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. is red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,
CHICAGO.

Holly. Finest Quality. Any Quantity.

Write us for prices delivered at your door.

CALDWELL The WOODSMAN CO, Inc., Evergreen, Ala.

Everything in the

CUT FLOWER

line.

and a

complete line of

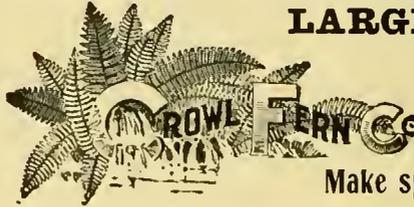
FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,

P. O. Box 103.

Milwaukee, Wis.

When writing mention the American Florist.



LARGEST DEALERS IN

Hardy Cut Ferns

Make special offer of 50c per 1000.

Send for samples of Laurel Festooning, 4c to 6c a yard. Always on hand Princess Pine, Galax Leaves, and Xmas Trees in their seasons. We make a specialty of Laurel Wreaths for Xmas. Send for samples of all goods wanted.

CROWL FERN CO., Millington, Mass.

TELEGRAPH OFFICE, NEW SALEM, MASS.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

Please Mention American Florist.

PITTSBURG CUT FLOWER CO., Ltd.

504
Liberty Street,

ALL
FLOWERS
IN
SEASON.

PITTSBURG,
PA.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

Bronze Galax Leaves

\$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.

AMERICAN ROSE CO., Washington, D. C.

I PAY EXPRESS or POSTAGE on my

Bronze Galax Leaves

and deliver anywhere in U. S. for ONE DOLLAR FIFTY per 1000. Write for particulars.

LILLIAN ALLEN DEXTER, Washington, D. C.

Hardy Cut Ferns.

Mosses, Laurel, Bouquet Evergreen in Festooning, Wreaths or bulk; Hemlock and Spruce boughs for cemetery use. Special prices to the trade. Trust to meet our old customers and friends at S. A. F. convention. Address all letters and orders to

H. J. SMITH, HINSDALE, MASS.

Galax Leaves.

J. L. BANNER & CO.,

..... MONTEZUMA, N. C.

Southern Wild Smilax.

NEW CROP NOW READY.

Caldwell The Woodsman Co. Inc.

Also J. B. DEAMUD, CHICAGO, ILL., L. J. KRESHOVER, New York, N. Y., M. RICE & CO., Philadelphia, Pa., THE VAILE SEED CO., Indianapolis, Ind.

Alabama Wild Smilax.

I will be prepared to fill any size order of Smilax, in fact all kinds of Decorative Goods after September 1. My goods go everywhere and please everybody. Write for my descriptive circular, it's free to all buyers, florists of the United States and Canada.

J. G. BARROW, Red Level Station, Ala.

WEILAND-AND-RISCH

GROWERS and SHIPPERS,

59 WABASH AVE. CHICAGO.

WE SOLICIT A TRIAL
... ORDER ...

ALL TELEGRAPH ORDERS
GIVEN CAREFUL &
IMMEDIATE ATTENTION

Am. Beauties.	Per dozen.	
24-36-inch	.....	\$2.00 to \$3.00
15-24 "	.....	1.00 to 2.00
8-12 "	.....	.50 to 1.00
	Per 100.	
Liberly	.....	\$3.00 to \$4.00
Meleor	.....	3.00 to 4.00
Golden Gate	.....	3.00 to 6.00
Kaiserin	.....	3.00 to 6.00
Bride	.....	2.00 to 4.00
Bridesmaid	.....	2.00 to 4.00
LaFran.e	.....	2.00 to 5.00
Perle	.....	2.00 to 4.00

CARNATIONS.
We grow all the new and standard varieties. Select, \$1.00 to \$1.50 per 100. Ordinary, 75c to \$1.00 per 100.

MISCELLANEOUS.
Lilies, Orchids, Valley, Bulbous Stock, Smilax, Asparagus, Adiantum, Galax Leaves, Wild Smilax and Ferns, at the very lowest market prices.

Prices subject to change without notice.

WHEN YOU ORDER OF US YOU ORDER DIRECT.

WHOLESALE FLORISTS

McKellar & Winterson's Modern Supply House.



Send for Prices on all Supplies.
Clearance Sale Now On.

Give us your order now together with your needs in
CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

E. H. Hunt

THE "OLD RELIABLE" FOR
WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.
600,000 FEET OF GLASS.

Headquarters for American Beauty.
Carnations, Blooms and Cuttings.

51 Wabash Ave., CHICAGO, ILL.

J. B. DEAMUD,

Wholesale
Commission Florist,
51 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.
Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

WHOLESALE
GROWER OF ROSES.

DEALER IN
CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,
Wholesale Commission Florist
41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.
Agents for the Hinsdale Rose Co. Special attention
paid to shipping orders.
**76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.**

Please mention the American Florist.

WIETOR BROS.

Wholesale
Growers of **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

HOLLY BRANCHES and EVERGREENS.

We are packers and shippers of best Eastern
Shore Holly, and can supply the florists with any
quantity. Will be pleased to quote you on your
wants and take your order to be shipped in season.

**FARMERS & PLANTERS CO.,
SALISBURY, MD.**

Wanted at Once

"FLORISTS" to send to us for their
supply of Cut Flowers. Most careful
attention given to shipping orders.
Order what you want—we have it.
Cutting 2,000 Beauties daily.
GEO. REINBERG, 51 Wabash Ave., CHICAGO.

Seen by New Firms:

AMERICAN FLORIST ADVTs.

Wholesale Flower Markets

CHICAGO, Aug. 17.

Roses, Beauty, extra long stems	3.00
" " 30 inch	2.50
" " 24 "	2.00
" " 20 "	1.50
" " 15 "	1.25
" " 12 "	1.00
" " 8 "	.75
" Bride, Bridesmaid	2.00@ 4.00
" Perle	2.00@ 4.00
" Meteor	2.00@ 4.00
" La France	2.00@ 4.00
" Golden Gate	4.00@ 6.00
" Liberty	4.00@ 6.00
Carnations	.75
" fancy	1.00
Lily of the valley	3.00@ 5.00
Mignonette	2.00@ 6.00
Sweet peas	.10
Adiantum	.50@ 1.00
Common ferns	.15
Fancy ferns	.20
Smilax	8.00@12.00
Asparagus	50.00



Say: "Saw it in the FLORIST."

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
 AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.
WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2.00 per Script Letters, \$4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

FLORISTS ♦♦♦♦

If you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Geo. A. Sutherland, Boston Flowers.

WHOLESALE DEPOT FOR

All Florists' Supplies,

67 BROMFIELD ST., BOSTON, MASS.

Price lists mailed.

Wholesale Florists,
 Always on Hand:
 CARNATIONS,
 BRIDESMAIDS,
 BRIDES.

JOBBERS IN

FLORISTS'

SUPPLIES

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

The American Florist Company's

DIRECTORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price \$2.00.

AMERICAN FLORIST CO.,

324 Dearborn Street. Chicago, U. S. A.

Circulation

which
Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Wholesale Flower Markets

PHILADELPHIA, Aug. 15.

Roses, Tea.....	1.00@ 2.00
" " extra.....	3.00@ 5.00
" Beauty, extra.....	10.00@ 15.00
" " firsts.....	5.00@ 8.00
Carnations.....	.50@ .75
" fancy.....	1.00@ 1.50
Lily of the valley.....	3.00@ 4.00
Gladiolus.....	3.00
Tuberose.....	3.00@ 5.00
Asters.....	.50@ 1.00
Asparagus.....	25.00@ 50.00
Smilax.....	10.00@ 15.00
Adiantum.....	.50@ .75
Sweet peas.....	.20@ .30

Boston, Aug. 15.

Roses, Beauty, extra.....	15.00@ 20.00
" " medium.....	4.00@ 6.00
" " culls.....	1.00@ 2.00
" Bride, Bridesmaid, Meteor.....	.50@ 3.00
" " extra.....	3.00@ 5.00
" Kaiserin.....	6.00@ 8.00
Carnations.....	.50@ 1.00
Lily of the valley.....	2.00@ 4.00
Asters.....	.35@ .75
Sweet peas.....	.05@ .10
Smilax.....	8.00@ 10.00
Asparagus.....	50.00
Hardy ferns.....	.20
Candytuft, Gypsophila, etc.....	.10@ .15 per bunch

GIVE US A TRIAL! WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,
 Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING
 Wholesale Florist,
 SUCCESSOR TO
 ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer,
 Wholesale Florists

1604 LUDLOW STREET,

PHILADELPHIA.

Phone 1-42-69-A.

Consignments Solicited.

LEO. NIESSEN,
 Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

PHILADELPHIA, PA.

LONG DISTANCE

PHONE 3-45-24 D.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
 WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

LONG DISTANCE PHONE 1-41-28 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
 Wholesale Florist,

17 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...**GEO. M. KELLOGG...**

Largest Grower of... **Cut Flowers**

in the West.

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON,
 Wholesale Florist,

5515 Fifth Ave., PITTSBURG, PA.

LONG DISTANCE PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati
Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.

Special Attention Given to Shipping Orders.

J. M. COHEN, Florist,

Telephone 2385.
 CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 49 West 28th Street,
NEW YORK.

Crowe & Co. Special Prize Maids,
Superb Roses, Leading Varieties. Choice Carnations and Rare Novelties.
Summer Shipping a Specialty.
TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

67 W. 28th. St., NEW YORK CITY.
Telephone 2200 Madison Square.
Special attention given to Shipping Orders.
—CONSIGNMENTS SOLICITED.—

**JOHN YOUNG,
ROSES, CARNATIONS, VALLEY**

and all other choice out flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets & Carnations.

BROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

**FRANK MILLANG,
CUT FLOWERS,**

WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St.,
NEW YORK CITY.
TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY
New Telephone No. 270 Madison Sq.
33 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 15.

Roses, Beauty, select	20.00@30.00
" " medium	4.00@6.00
" culls	.50@2.00
" Bridesmaid, Bride, Meteor	.25@1.00
" select	3.00@4.00
Carnations	.50@1.50
Lily of the valley	2.00@3.00
Sweet peas per 100 bunches	1.00@2.50
Harrisii	4.00@6.00
Cattleyas	20.00@33.00
Gladioli	1.00@1.50
Asters	.10@.50
Smilax	8.00@12.00
Asparagus	25.00@35.00
Sprengerii, per doz. bun.	.75@1.00
Adiantum	.25@.50

BUFFALO, Aug. 16.

Roses, Beauty	10.00@20.00
" Bride, Bridesmaid, Meteor	3.00@7.00
" Kaiserin	6.00
Carrations	1.00
Lily of the valley	3.00@4.00
Sweet peas per doz. bunches	.30@.75
Auratum lilies	10.00@12.50
Roseum	4.00@6.00
G. adiolii	2.00@3.00
Asters	1.00@2.00
Smilax	15.00@20.00
Adiantum	1.00@1.25
Hardy ferns, Galax leaves	.20@.25
Asparagus	50.00@75.00

**MILLANG & CO.
WHOLESALE**

Commission Florists

48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,

Wholesale Florist.
New Telephone No. 902 Madison Sq.
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application

Ford Bros...

Wholesale Florist
111 West 30th Street, NEW YORK.
Consignments Solicited. Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.
ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE

S. J. LIMPRECTH,

Wholesale Commission Florist
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street.
Telephone 1438 Madison Square. NEW YORK.
Consignments Solicited.

Do not forget to say "saw your ad. in the AMERICAN FLORIST" when corresponding with advertisers

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities. * * * *
Telephone 197 Madison Square.

EDW. C. HORAN,

47 WEST 28TH ST.,
Tel. 421
Madison Square,NEW YORK.
CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOIGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

TUBEROSE bulb growers report the crop looking well to date but badly in need of rain.

ARTHUR M. KIRBY, of the Peter Henderson Co., New York, has been visiting seed farms in Quedlinburg.

L. A. BUDLONG COMPANY succeeds L. A. Budlong, grower of pickle products, onion sets, etc., Winnemac Station, Chicago.

CHARLES A. HEATH, of the Albert Dickinson Co., Chicago, has returned from a two months' trip to Europe and the Paris Exposition.

ONION sets are being rapidly harvested around Chicago. As a rule the sets average large and quite a percentage will screen out when run through a 1-inch mesh.

Onion Sets.

There was this year an increased acreage of onion sets over that of last year in the vicinity of Chicago. The yield is fair but the quality impaired by being generally too large.

All things considered, the probabilities are that there will be less merchantable sets harvested than last year at Chicago.

In Ohio and Kentucky the same conditions exist. In the west and northwest the crop is less in quantity and rather better in quality.

Jurors at the Paris Exposition.

"Can you tell me," inquired the American, "what that company of people is doing in that flower bed?"

The speaker stood in front of the chateau de l'Eau on the Champ-de-Mars, and she waved an umbrella in the direction of the Eiffel tower as she spoke. I followed her gesture and saw a group of ten or twelve men skipping nimbly about smelling violently of this bush and that and following each spell of sniffing with a period of impetuous writing in small note books. They seemed both to smell and write at the command of a leader, distinguished in the flower bed by the unusual dexterity of his skipping.

"Madam," I said, with the awe in my voice that I felt in my heart, "that is a jury."

As I spoke the company in question darted forward, made a final plunge at an inoffensive rosebush, and, collectively, departed. The man whose flowers had just been examined bowed and scraped his visitors out of hearing. I would leave any duty at any time to see any jury walk past. The members go in martial order and if they could only be provided an accompaniment of music the warlike spirit would be complete. There is always a captain and some brother or sister for rear guard. Everything is done in a body; united action is a juror's watchword; all he waits is his captain's command to trip up to the nearest wall, peck lightly at this tapestry or that, and then to inscribe in his notebook for weal or woe that exile's fate. One peculiarity I have noticed in juries is that there is always one lame member, one whose eyes trouble him, and a third whose hearing

is bad. The result is that there is always somebody behind the main body of the procession, another whose affliction necessitates his coming directly in contact with the object for award, and another who must needs call for a repetition of any orders given by his leader. Juries are international organizations. Orientals, still clad in their foreign habiliments, walk arm in arm with well-fed Englishmen, talkative Americans, studious Germans and bewhiskered Frenchmen united for the moment in a common effort to select the best from an imposing display of canned peaches.

When it comes to clocks every juror has to listen to every clock tick and wind them all, and when there are cuckoos pass judgment on the quality of the bird. The importance of a juror's task is never more fully recognized than when one sees him discourage an occasional exhibitor. A certain air of finality is the external manifestation of a juror's unspoken conclusion.

"Not on our list."

The whole jury system, as employed for exposition awards, is briefly sum-

marized as follows: Feel always, eat if possible, look as a last resource. In the educational departments the third method is universally practiced. I am certain no more impossible subjects either for touch or taste have ever been presented to the human race than one may meet in those terrible buildings devoted to monographs on education and to the school census.—*Jessie Trimble in the Chicago Record.*

SHIREMANSTOWN, PA.—John F. Rupp has bought a lot on Locust street of A. Sheaffer and will enlarge his facilities.

ANN ARBOR, MICH.—James Goodhue anticipates a good fall season. He has benched 2,000 chrysanthemums and the plants are unusually fine.

WABASH, IND.—Alonzo Ulsh, proprietor of the Vernon street greenhouse, has leased E. T. Overman's greenhouses and will have charge of the business of both. Mr. Overman, who is chairman of the prohibition county central committee, will devote all his time to the campaign.

JOHNSON & STOKES' GIANT KINGLY PANSIES.

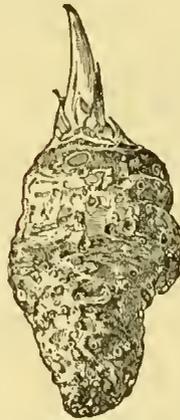
We have searched the world to get this strain up to its present standard of perfection, and it is now pronounced by our customers as unrivalled in size, substance of flower and richness of color. Trade pkt., 50c; ¼ oz., \$1.25; oz., \$5.00. FRESH SMILAX SEED—Per oz., 25c; per pound, \$2.50. ALLEGHENY DOUBLE FRINGED HOLLYHOCK.—Our Floracraft Strain. Trade pkt., 25c; ¼ oz. pkt., 50c; ½ oz., \$1.50. CINERARIA.—James' Giant Strain, per pkt., 25c; ½ trade pkt., 60c; tr. pkt., \$1. CALCEOLARIA.—James' Giant strain, per pkt., 25c; trade pkt., 60c. We are ready to hook orders for White Romans, Freesias, Callas, Paper White Narcissus, etc.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.



CALIFORNIA

Calla Bulbs

Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

FIRST SIZE, 1¼ to 1½-in. diam., doz. 75c; 100 \$5.00.

SELECT, 1¼ to 1½-in. diam., doz. \$1.25; 100 \$7.00.

EXTRA SELECT, 2 to 2½-in. diam., doz. \$1.50; 100 \$9.00.

EARLY DELIVERY means much. Getting these bulbs when you want them is everything. Late surpluses at half price are not bargains.

VAUGHAN'S SEED STORE,

NEW YORK:
14 Barclay St.

CHICAGO:
84-86 Randolph St.

FREQUENT IMPORTATIONS OF
BEST GRADE OF

English Mushroom Spawn

J. J. STYER,

Concordville, Pa.

GLADIOLI.

MAPLESHADE
COLLECTION.

Long established; unexcelled; many species, home and imported. Bulbs, cut flowers, hybridized seed; everything in my line, and the best of everything. Illustrated circular ready soon. Send for it and place your orders in season.

WILBUR A. CHRISTY, Kinsman, O.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following Palms in fine condition:

KENTIA FORSTERIANA, per 1000, \$4.00; 5000 to 10,000 at \$3.50; 10,000 and over at \$3.00.

Also CYCAS REVOLUTA STEMS in assorted sizes, 3 lbs. to 12 lbs., at \$8.00 per 100 lbs., while unsold.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Bulbs! Bulbs!!

EXCELSIOR PEARL TUBEROSE and CALADIUM ESCULENTUM.

Fine crop for 1900.

JNO. F. CROOM & BRO., Growers,
MAGNOLIA, N. C.

American Florist Advertisements
Pay Advertisers.

Now is the Time

To make arrangements with us for your supply of cut flowers for the season of 1900-1901. A large part of our business is along the lines of just such arrangements as we should like to make with you, arrangements which call for regular, all-season shipments of such material as you require. We are able to hold trade of this character season after season because we have the stock to meet all requirements, including the cuts of such growers as the South Park Floral Co., of New Castle, Ind.; E. G. Hill & Co., and Mrs. E. T. Graves, of Richmond, Ind., and others whose stock is unexcelled in this or any other market. We not only have the right kind of stock, but we handle it right, pack it right, and bill it right. In fact, if there is anything about our methods which isn't right, we promptly make it right. We seldom fail to satisfy a customer. ❀ ❀ ❀ ❀ ❀ ❀ ❀ ❀

Just a Word to the Growers

Before making arrangements with any wholesaler to handle your cut next season, it will be to your interest to see us. We can convince you that we are the ones best equipped to make your stock pay you. Our store is the largest, best lighted, best ventilated and most centrally located in Chicago. We have an established business—have handled, are handling, shall handle, large quantities of flowers to good advantage, but we can handle more. It is not necessary to say anything about payment, for since we started, four years ago, we have paid every grower every cent we owed him every week. We have all the capital we need to keep this up. Write to us, or better yet, come to see us about what we can do for you.

E. C. AMLING,

Wholesale Cut Flowers,

32-34-36 Randolph St., CHICAGO.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE big eastern nurserymen are finding the west and northwest profitable fields for cultivation.

THE Storrs & Harrison Co., Painesville, O., reports a prospect for an unusually heavy fall trade.

NURSERYMEN in the Rochester and other centers are booking numerous orders for fall exportation to Canada.

THIS season's abundant fruit crops and the reasonable prices generally prevailing should prove something of a stimulant to planting.

THE Smith & Powell Co., Syracuse, N. Y., have sold their greenhouses and flower business to P. R. Quinlan, but will continue the nursery business.

At the Douglas Nursery.

The name of the late Robert Douglas is probably more widely known among planters for effect than is that of any other westerner, as it is safe to say, and certainly not undeserved praise, that no other nurseryman has had such a potent influence in encouraging the planting of coniferous trees in the Mississippi and upper Missouri valleys. Robert Douglas was the pioneer in the work of educating the public to a knowledge of the beauty and desirability of conifers. Beginning, as he did, at Waukegan, Ill., in 1848 his knowledge of his subject was obtained at first hand. As a co-worker with Parry, Engelmann and Sargent he will long be remembered, but his greatest fame will doubtless rest upon the fact that he was the introducer and popularizer of the Colorado blue spruce, that gem of the Rockies.

At the Douglas nurseries pines, spruces and firs are grown by the million. Here the first thing that strikes one's eye is the amount of ground covered by the tall screens under which a man may walk with comfort and examine the myriad



WHERE THE "TRANSPLANTS" ARE GROWN.

little seedling pines at ease. The seed beds are usually eight to ten feet wide, separated from one another only by a narrow walk in which are planted the posts supporting the cross pieces, which in turn hold up the brush and branches used for shading material. It is desirable that these screens should be situated on high ground and well drained situations, as low, damp grounds encourage the development of fungi which are fatal to the young seedlings. The little trees go from beneath the high screens to other beds in the field, where they are pricked out a few inches apart and where they are shaded by lath screens. These screens are supported by short posts which brings them only a few inches from the top of the plants. This system gives the plants partial sunlight and assists them in becoming inured to outdoor conditions. From the beds the plants go into nursery rows, and then follows a system of annual root pruning

which has for its object the development of a good system of roots.

In the case of those conifers which vary considerably in color and the value of which depends upon deepness or purity of color, as, for instance, the Colorado blue spruce, Engelmann's spruce and concolor fir, the work of selecting the best specimens begins when the young plants are set out in the nursery row. It is here that their characteristic tints are shown and the profit of growing these specimens will largely depend upon the percentage of blue specimens secured. This, in turn, depends upon the type of tree from which the seed was collected. Careful collectors can insure a grower a much larger percentage of "blue" spruce than one will obtain from the ordinary commercial grade of seed.

The Douglas nurseries in the past have been almost exclusively growers of coniferous trees. The demand of recent years, however, has induced the present proprietors to extend very considerably the area devoted to ornamental shrubs and that branch of the nursery is being rapidly developed.

On the Douglas homegrounds are some noble conifers, including the original Colorado blue spruce, to bear evidence of Robert Douglas' skill. It is doubtful if at any other place are there as large, as old or as well developed specimens of the blue spruce, Douglas fir, hemlock and Norway spruce.

SAGINAW, MICH.—C. L. Roeser, principal stockholder of the Roeser Implement and Seed Co., has assumed the interests of the other stockholders and is now sole proprietor of the business.

PROVIDENCE, R. I.—The Rhode Island Horticultural Society has issued its schedule of prizes for its September and November exhibitions. Copies may be had by addressing the secretary, C. W. Smith, 61 Westminster street.

TORONTO, ONT.—While the recent exhibition of the Toronto Horticultural Society was largely an affair of amateurs, several well known growers were represented. W. H. Groff, of Simcoe, had a splendid display of gladioli, and the Dale Estate, Dunlop and Steele & Briggs showed roses, carnations and sweet peas.



WHERE THE SEED IS PLANTED, THE YOUNG SEEDLINGS BEING MULCHED WITH PRAIRIE HAY THE FIRST WINTER.

SEASON 1900-1901.

CAPITAL . . . \$10,000.00

To the Grower :

We want to call attention to our large increase in trade, and are contracting more help and building more counter surface to handle our increase. Still, with all, we want "new growers," but we want them to begin with the dull season or at the opening of the season, September 1st to October 1st.

A few facts: Shippers who expect best returns ought to SHIP US, for we have a business of long standing and trade built up. We pay all growers each week with statements, no matter how much we have to trust out. Having capital we can afford to carry accounts in the interest of the producer.

All we ask is a season's trial, and we can PROVE we can do by you as good and a little better than you have been doing, and, as above stated, the "CASH" each week. Come in and see us; have a talk, and we will convince you that if you are to change Brokers, we are open to handle all No. 1 stock we can get this season.

Yours respectfully,

Kennicott Bros. Co.,

FLINT KENNICOTT, President.
G. H. PIESER, Secretary.
ED. E. PIESER, Treasurer and Gen'l Manager.
L. P. KELLY, Salesman.
STEVE MINON, Salesman.
WM. P. KYLE, Foreman.
GEO. R. SCOTT, Packer.
G. H. PIESER, Jr., Packer.
Errand-boys and wire-workers.

42 and 44 Randolph Street,
Chicago.

Please mention American Florist when writing.

IF YOU Don't Buy Cut Flowers From Us,

WE sell to the house you DO buy from, so indirectly we sell to you. If you don't want it that way, send US your orders direct and WE will save you their profit. Our Beauties, Kaiserins, Meteors, Perles and Field-Grown Carnations are the best that come to this market. We will have a large stock right along and hope you will add your name to the list of customers this season. We will serve you promptly with good stock and no "cinch" prices so prevalent on so-called shipping orders. Two shipments daily from our greenhouses: 8 a. m. and 2 p. m. We cut from 7,000 to 10,000 daily. All stock carefully selected for shipping. No charge for P. & D.

GEORGE REINBERG, 51 Wabash Avenue, CHICAGO, ILL.

TELEGRAPH CODE
OF THE
AM. SEED TRADE ASSOCIATION
\$2.00,
In either stiff or flexible cover. ADDRESS ORDERS TO
AMERICAN FLORIST CO., CHICAGO.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Detroit.

Phil Breitmeyer promises to be the star of the New York contest if he keeps up the work he has been doing in the last few practice games. On Monday evening, August 13, he made 257 and followed it with 226.

Player	1st	2d	3d	4th	5th
Breitmeyer	257	226	173	145	149
Pantke	181	172	193	118	
Beard	157	176	156	151	137
Holznaple	165	192	146	145	156
Ferguson		166	146	145	165
Watson		148	138	146	128
Taylor		184	125	117	
Davis		135	143	181	
Pickworth		160	122	100	
Hupprick			100	108	
Flowerday			98	135	
Sullivan			147	152	

J. F. S.

At Flatbush.

Thursday evening, August 9, was a hot one but the convention is close at hand and the heat doesn't count when half a dozen silver cups are waiting for an owner. Louis Schmutz made the record score for the evening and won a pot thereby, which he put safely away with the consoling remark that a few more like it would come in mighty handy next week when he meets his friends from Boston and the west. Scores as follows:

Player	1st	2d	3d	4th
Mellis	165	123		
E. Dailedouze	130	132		
A. Zeller	126	112		
Schmutz	115	154	188	150
Riley	105	128	158	135
Raynor	149	131	171	148
Werner	94	92		
H. Dailedouze	161	99		
C. Zeller	98	106	101	127
Schmutz, Jr.	131	95	120	133
Wocker	130	121	89	102

Flatbush is not given to boasting, but on Tuesday night, last, there was joy in the old town; Zeller's oranges took on a more golden hue, the rubbers at Schmutz's took another stretch and Dailedouzes' carnations seemed ready to dance—all on account of the promising scores rolled up on that occasion at the Palace alleys in Brooklyn. These are new alleys and very fine, and it was the first appearance on them of the Flatbush aggregation. The same pace kept up next week will land Flatbush on very comfortable ground. Here are the figures:

Player	1st	2d	3d
Raynor	165	143	136
Mellis	148	150	181
Zeller	151	153	158
Dailedouze, E.	170	137	143
Schmutz	159	176	137
Dailedouze, P.	157	131	139
Riley	132	149	178
Stewart	125	152	138
Traudly		165	146
Donlan		123	139

At Philadelphia.

The long drawn out contest for places on the team remains undecided, as at a meeting of the bowling club George Moss was elected captain of the team and given full power to select the men whom he thought would do the best. A team of associate members, with two exceptions was selected to try out a team of con-

vention bowlers last Friday night, with the following result:

FLORISTS.				
Player	1st	2d	3d	total
Moss	173	177	140	490
Connor	122	171	146	439
Harris	175	138	129	442
Westcott	129	127	136	392
Baker	124	167	134	425
Walker	168	188	150	506
Team totals	891	968	835	2694

ASSOCIATES.				
Player	1st	2d	3d	total
Allen	174	142	148	464
Mooney	201	149	159	509
Starr	148	126	134	408
Kift	127	155	163	445
Peterson	169	162	123	454
Watson	112	132	135	379
Team totals	931	866	862	2659

At Chicago.

Following are the scores made August 10:

Player	1st	2d	3d	4th	5th	6th	7th
Winterson	203	151	213	190	143		
Degan	186	135	164	187	136	188	141
Balluff	165	130	209	160	172	128	171
Helfron	163	110	94	183	133		
Asmus	123	193	199	186			

At New York.

The final regular meeting of the bowling club previous to the convention took place on Monday afternoon, August 13. Quite an enthusiastic crowd was present, including John Westcott, who had come over from Philadelphia to help adjust, on behalf of the Florists' National Bowling League, the final details of the prize schedule and general arrangements for the convention tournament. Scores were made as follows:

Player	1st	2d	3d	4th
Roehrs	129	175	122	
Siebenheller	139	153	123	79
Burns	126	169	147	185
Traendly	194	169	157	137
Thielmann	126	154	194	136
Stewart	96	114	166	83
Manda		159	165	155
Troy		100	135	134
Schmutz			119	113
O'Mara			172	145
Siebrecht			118	144
Le Moul.			132	126
Langjahr			103	91
Marshall			115	108
Butterfield			95	
Donlan				108

Convention Trophies.

We take pleasure in presenting herewith the list of valuable cups and other trophies offered for competition at the grand bowling tournament to be held at New York city in connection with the convention of the S. A. F. The contest, for which not less than twelve teams are entered, will take place on Friday, August 24, at the Palace alleys, One Hundred and Twenty-fifth street and Third avenue, beginning a 9 a. m. Teams must consist of six men each and each individual must be a member of S. A. F. in good standing for the year 1900. The Edmund M. Wood and Queen of Edgely cups are Florists' National Bowling League trophies and all clubs competing for these prizes must become members of this national association. All entries of teams for the tournament must be made not less than forty-eight hours before the hour set for the opening of the contest. Entries should be made with the chairman of the New York Florists' Club's committee on sports, Theo. Roehrs, 494 East One Hundred and Seventy-sixth street, New York city. As indicated below, the ladies will also be given an opportunity to win some pretty souvenirs of the great event.

LIST OF TEAM TROPHIES.

The Lord & Burnham cup, to the club making the highest total in three games.
The Hitchings & Co. cup, to the club making the highest score in the third game.
The Queen of Edgely trophy, to the club making the highest total score in the first and second games.
The Edmund M. Wood cup, to the club making the highest total score in three games.
The Detroit trophy, to the club making the highest score in any one game.
All the above must be won twice to become permanent property.

INDIVIDUAL PRIZES IN TEAM CONTESTS.

Silver cup, donated by Theo. J. Lang, New York, to the man making the highest average in three games.
Silver cup, donated by Traendly & Schenck, New York, to the man making the highest score in any of the team games.
Gold medals, donated by Theo. Roehrs, New York, to man making second high average and to man making third high average.
Gold mounted fountain pen, donated by J. K. Allen, New York, to man making greatest number of strikes.

Box of cigars, donated by F. Brinkama, Sixth avenue and Fifty-seventh street, New York, to man making greatest number of spares.

PRIZES FOR INDIVIDUAL GAMES.

Open to all members of the S. A. F. not taking part in the team bowling.
Gold medal, donated by John I. Raynor, New York, for highest score.
Silk umbrella, donated by Walter F. Sheridan, New York, for second highest score.
Cigar case, donated by Fitzgerald & Hammond, New York, for third highest score.

LADIES BOWLING PRIZES.

Elegant bronze vase, donated by Cleary & Co., New York.
Beautiful jardiniere, donated by A. H. News & Co., North Cambridge, Mass.
Dozen photographs, cabinet size, donated by Dana, Broadway and Twenty-eighth street, New York.

St. Louis.

HOT WEATHER CONTINUES AND BUSINESS IS QUIET.—STOCK POOR.—USUAL QUANTITIES OF OUTDOOR MATERIAL.—NOTES.

Business is quiet. The hot weather is still with us and is having a bad effect on trade as well as on stock. Roses arrive in very poor shape and go to pieces almost before they get into the retailers' hands. Some few Beauties arrive, but they do not amount to much in either quantity or quality. Very few gladioli are consigned, but asters, tuberoses and carnations are in average receipt for this season.

The Koenig Floral Company filed an application for incorporation on August 8. The capital stock is \$2,000, paid up. Otto C. and John L. Koenig have nine shares each, and Katie M. and Amanda Koenig have one share each.

The Vale of Cashmere Company, located in the Odeon, is often required to satisfy the curiosity of its customers as regards its name. Mr. Gibbon has selected a name that is original and a good advertisement.

Fred. S. Plant returned home Tuesday from a boat trip to St. Paul. M.

ROSSVILLE, ILL.—James Culbert is building two houses, called for by his increasing trade. The new structures will give him 3,000 additional feet of space.

KOKOMO, IND.—W. W. Coles has been entertaining his brother-in-law, J. O. Graham, of Little Falls, N. Y., another of the men who know how to grow Kaiserin to perfection.

MINNEAPOLIS, MINN.—A young fellow named Fred. Chassis has been sentenced to ninety days in jail for defrauding Mendenhall of stock. His game was to order cut flowers by telephone in the names of Mendenhall's customers and then call for them, representing himself as a messenger. He carried it a bit too far.

Cut Flowers.

THE LARGEST GROWER

IN THE WORLD....

600,000
SQUARE
FEET
OF
GLASS.



WANTS your trade this year. Every rose or carnation we ship is cut on the day of shipment. Why should you buy flowers which are a day or two old when shipped, when we can furnish a better grade and perfectly fresh stock at the same price? Our customers get all the flowers they want when other wholesalers are refusing orders. We have all the good varieties of roses and carnations in quantity, including this year's introductions.

10,000 American Beauty Plants,

FINE STOCK, FROM 3-IN. POTS,

\$5.00 per 100 ❁ \$40.00 per 1000.

	Per 100	Per 1000
Kaiserin, 3-inch pots.....	\$4.00	\$35.00
Golden Gate, 2½-inch pots.....	4.00	35.00
Bridesmaid, Meteor, 3-inch pots.....	4.00	35.00

150,000 Carnation Plants.

Strong, healthy, field-grown plants ready for delivery the first week in September. Write for prices.

PETER REINBERG.

51
Wabash Avenue,
CHICAGO.

The Pan-American Exposition.

On entering the grounds from Elmwood avenue the first place I visited was the service building, which is completed and occupied by the various officers of the administration. The grounds are all planted with handsome shade trees and many fine groups of hardy shrubs. Around the buildings are flower beds with all the various climbers running up on wire. The beds are filled up with hardy perennials, with a few beds of heliotropes, vincas, fuchsias, etc. The lawns are well kept up by using plenty of water. The seeded is much better than the sodded lawn.

They have the exhibitors' grounds laid out and well seeded. The many beds are all prepared, ready for planting entries this fall or early in the spring. A number of beds are planted with roses, hydrangeas and phloxes. There will be a great many more planted later, with bulbs and hardy stock. They are taking good care of the stock and it is growing finely. They are planting all the aquatic plants of all the native and cultivated sorts up and down to the canal, and it will be a great sight when they are in good growing condition. The canal will soon be ready to let the water in, as they are putting fine gravel in the bottom to keep the water clear.

At the propagating houses there is a large force of men at work. Many thousands of plants are now ready for this fall's planting, such as hardy perennials; many of these will be kept in cool frames till early in the spring and the tender plants will all be kept in the greenhouses. They also have many thousands of vines in boxes which are making a fine growth. I saw a large bed of Vinca minor, about 50,000, ready for planting as background for the beds, in the spring.

The buildings are all growing along fast and it looks as if everything will be completed in time. X.

PANSIES WORTH RAISING

SEED AS USUAL.

3-16th ounce, \$1.00. 1 ounce, \$4.00.

CHR. SOLTAU,

199 Grant Ave., JERSEY CITY, N. J.

STRONG FIELD-GROWN PLANTS OF

Farquhar Violets.

Free from disease of any kind.
\$6.00 per 100; \$50.00 per 1000.

JOHN McFARLAND, North Easton, Mass.

Asparagus Sprengerii.

3-inch, strong.....\$5.00 per 100
2-inch, strong..... 3.00 per 100
From flats..... 2.00 per 100

M. J. COVENTRY, Ft. Scott, Kans.

ROSES

Bride and Bridesmaid, strong 3-in., \$5.00 per 100.

VIOLETS

Marie Louise, strong field grown, \$2.50 per 100.

CARNATIONS

From field; Scott, Meteor, Victor, Mrs. Jas. Dean, White Cloud, Flora Hill, etc., at market prices.
E. M. & H. N. HOFFMAN, Elmira, N. Y.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Bent paid for \$2.50. Without spraying valve, \$2.00.

The Hess Connection Co., Kingston, R. I.

AN INVITATION

Is extended to all Florists, Nurserymen and others interested, to visit our Nurseries. We grow

Ornamental Trees, Shrubs, Vines & Herbaceous Plants

and have one of the most extensive collections in the U. S.

Our office and a part of our nurseries are situated in Germantown, about one hour's ride from the center of the city of Philadelphia. If visitors will telephone us (No. 9411 A) before leaving the city, we can give instructions how to reach the nurseries and will have a carriage at the station to meet them.

Our THOMAS B. MEEHAN will represent the firm at the Convention and will be glad to give any information desired.

Thomas Meehan & Sons,

NURSERYMEN AND LANDSCAPE ENGINEERS,
GERMANTOWN, Philadelphia, PA.

Please mention the American Florist when writing.

IF YOU NEED FINE, HEALTHY STOCK OF

Kentia Belmoreana or Forsteriana, Arecas, Dracaenas in variety, Boston Ferns or Asparagus plumosus, write to

MERION GREENHOUSES, H. I. FAUST, MANAGER,
MERION, Montgomery Co., PA.

DANISH CAULIFLOWER SEED

Gives in fact the very best results.

Extra Early DWARF ERFURT
and Earliest DWARF SNOWBALL,

the most profitable two sorts for forcing, true to name and first quality. Own home grown seed.

Cabbage, WINTER, DANISH BALLHEAD.

For prices, samples and further information, address

CARL FRISENETTE,
Seed Grower,
COPENHAGEN, V.

Please mention the American Florist when writing.



H. Wrede,
LUNEBURG, GERMANY
PANSY SEED.

150 First Prizes, the highest awards
Chicago 1893, and Hamburg 1897.
1000 Seeds, finest mixed, 25c.
1 oz. " " " " \$2.25

Price List on application. Cash with order.
Please mention the American Florist when writing.

ROOT PRUNED

Evergreens,

FOR AUTUMN PLANTING.
FINELY ROOTED.

5000 NORWAY SPRUCE, 3 1/4 to 5 feet.
5000 HEMLOCK SPRUCE, 3 feet and over, very bushy, compact and fine.
25,000 RETINOSPORAS in variety, from 1 to 6 ft.
COLORADO BLUE and ORIENTAL SPRUCE, PINES and ARBORVITICES in great variety; in good condition for transplanting either in lawns, parks or cemeteries. LARGE SPECIMENS for immediate effect.
SMALL EVERGREENS and EVERGREEN SHRUBS for window boxes a specialty. The SUCCESS with which our root pruned Evergreens have been moved is PROVERBIAL. FAILURES seldom occur. A personal inspection is invited.

The Wm. H. MOON CO.

Glenwood Nurseries, & 702 Stephen Girard Bldg., MORRISVILLE, PA. PHILA., PA.

60 Miles from New York City.
30 Miles from Philadelphia.

...AN...

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of \$2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

Are You Looking...

For Summer Material that will Please Your Customers?

We can supply you with anything that can be supplied in the New York market, carefully selected and packed so that it will open up in good condition.

Roses in all Varieties, especially

American Beauty and Meteor.

Lily of the Valley is very fine.

Growers for wholesale market visiting New York during Convention week will find a cordial welcome at No. 49, and some useful information as to how to realize best results from their product during the coming season.

JOHN I. RAYNOR,

49 W. 28th Street,

NEW YORK.

WM. J. MOORE

TELEPHONE

.....Wholesale Florist,

36 S. 16th St., PHILADELPHIA.

Choice No. 1 Stock of all kinds in season, constantly on hand and shipped at the shortest notice. Consignments of first-class flowers solicited.

ROEMER'S
Superb Prize Pansies

The finest strain of Pansies in the World.....

INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.

Highest Award Inter. Exhibition at Hamburg, 1897. Catalogue free on application.

Fred. Roemer,
 Seed Grower, QUEDLINBURG, GERMANY.

Zirngiebel's PANSIES
 Giant Market and Fancy

Are still the leaders for size and colors. Trade packages at one dollar each, either strain, with full directions how to sow and cultivate with every package. New crop seed after July 1st.

DENYS ZIRNGIEBEL, Needham, Mass.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs....

\$2.00 Per Year. Sample Copies Free.
 Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. CHICAGO.

NEW
Mignonette Seed.

FOR PRESENT SOWING.

My own selection which is conceded to be the finest Mignonette in the market, producing large compact heads with good foliage, of a pleasing light color.

PER PACKET 25 CENTS. PER OUNCE \$3.00.

JOHN N. MAY, Summit, N. J.

Please mention the American Florist when writing.

NEXT CENTURY'S BUSINESS

can be started now by advertising in this journal. Don't delay in commencing next year's business. The best orders are placed early with advertisers in

TRY THIS PLAN. THE AMERICAN FLORIST

**Paper White
Grandiflora**

...Calla Bulbs...

**Early French
Von Sion**

**Mikado...
Fern Balls**

**London Market
Valley**

"White Star Brand," the best selection of Grandiflora type of Narcissus offered to the trade, and florists to whom we have supplied same in past seasons will have no other. They are strong growing, free blooming and show little of the tendency to come "blind" as does the "grandiflora" usually supplied. Please order early.

Our Specialty, GROWN for us by Experienced Florists, dug only when well ripened and cured in the shade. They are as free from disease as possible. First deliveries now ready. The stock can be carried in fair shape dormant and can often supply good, sound roots until December. Write for prices and samples. We carry large stocks.

Under proper treatment these can be forced for Christmas. A valuable addition to the holiday list of cut flowers and should pay big. These have been successfully forced for two years past. Per 1000, \$16.00.

This Japanese novelty is a good seller and a money maker. If you have not done so, try them. Easily grown, sell quick. The demand has exceeded the supply every season. Order 100 of our agent.

This selection of choicest Hamburg pips has not only been kept good by us but improved, and we shall deliver this Autumn (season permitting) the handsomest, evenly selected lot of quick forcing, large pips ever offered.

**Vaughan's
Forcing
Bulbs**

Our Bulb Samples on the Convention Hall Tables have not been "picked for the occasion."

Our Growers promise that they are only a fair representation of the general stock.

ALL FLORISTS' BULBS IN SEASON.

PANSIES

Vaughan's "International."

Received the only reward for Mixed Pansies at the World's Fair. It is today better and more complete than ever. It contains the cream of the stock of ten Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price, per oz., \$10.00; ½ oz., \$5.00; ¼ oz., \$2.50; ⅓ oz., \$1.50; trade pkt., 50c.

Vaughan's "Giant Mixture."

This mixture is specially made up by us from all of the above separate colors of Giant Trimardeau the Giant Bugnot and Cassier and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture. Price, per oz., \$4.00; ¼ oz., \$1.00; ⅓ oz., 60c; trade pkt., 25c.

Giant White, Giant Yellow, Giant Beaconsfield, Giant Striped, Giant Emperor William, Giant Paris Market; each, per trade pkt., 15c.

Vaughan's Premium Pansies Mixed.

Embraces all the varieties of the Fancy German sorts. We have sold this mixture for the past fifteen years and it has given general satisfaction. Per pkt., 25c; ½ oz., 80c; ¼ oz., \$3.00; oz., \$5.50.

CHICAGO PARKS BEDDING PANSIES, "Choice Mixed, —In many colors. Pkt., 10c; ¼-oz., 30c; oz., \$1.00; 4 oz. for \$3.00.

New Pansy "Masterpiece"—An entirely new class of Pansies, of vigorous growth and exceedingly large foliage. The flowers are of enormous size, and the edges of the petals crinkled and wavy to give the flower the appearance of being double. The colors are rich velvety brown, red, copper and maroon. A decided acquisition. Trade pkt., 350 seeds, 25c; 3 pkts. for 65c

Cyclamen, Giant Flowered.

We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors. 250 seeds at 1000 rate

	100 seeds.	1000 seeds.
Mont Blanc, pure white.....	\$.75	\$5.00
Deep Crimson, very large.....	.75	5.00
Rosa von Marienthal, pink.....	.75	5.00
White, Carmine Eye.....	.75	5.00
Giant Flowered Sorts, best mixed,		
¼ oz., \$1.50.....	.50	4.50

Vaughan's Columbian Cinerarias.

This mixture is this year finer and more complete than ever. This is a mixture of the finest Eugiab, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Per trade pkt., about 1000 seeds, 50c; 3 pkts for \$1.25.

- Cineraria Hybrida, large flowering mixed, trade pkt., 25c.
- Cineraria, large flowering double mixed, trade pkt., 50c.
- Cineraria, large flowering dbl. white, t. pkt., 50c.

Gloxinia, Vaughan's Mixture.

This mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type. Trade pkt., 1000 seeds, 50c; 3 pkts for \$1.25.

Asparagus Sprengerii, 50c per 100; \$4.50 per 1000 seeds.

milax, new crop, trade pkt 10c; oz., 30c.

Chater's Prize Hollyhocks.

Our seed of this has been saved from the finest and largest double flowers only and will produce flowers extremely double and in the best, brightest and most distinct colors.

Sow now

Double Pure White, ¼ oz., 25c; 1 oz., \$1.00; trade pkt., 10c.

Double Yellow, Pink, Purple, Red, Rose, Salmon, Crimson, each, ¼ oz., 25c; 1 oz., 75c; trade pkt., 10c.

Chater's Prize Hollyhocks, double mixed, ¼ oz., 25c; 1 oz., \$1.00; trade pkt 10c.

Bellis, or Double Daisy.

Mammoth Mixed and Mammoth White, each, trade pkt., 25c; 1-16 oz., 50c.

Snowball, double white; Longfellow, double pink; each, trade pkt., 15c.

Forget-Me-Not, Victoria, trade pkt., 10c; per ¼ oz. 25c.

Sweet Peas.

Extra Early Blanche Ferry, pink and white, ¼ lb., 10c; lb., 30c; 5 lbs., \$1.35.

Blanche Ferry ¼ lb., 10c; lb., 30c; 5 lbs., \$1.35.

Salopian, white, ¼ lb., 12c; lb., 40c; 5 lbs., \$1.50.

Earliest of All, pink and white; ¼ lb., 15c; lb., 50c.

New Countess lavender, ¼ lb., 10c; lb., 30c.

Butterfly, white and lavender, ¼ lb., 12c; lb., 35c.

Salopian, best red; ¼ lb., 15c; lb., 50c.

Vaughan's Florists' Mixture, consists of above and others; ¼ lb., 15c; lb., 40c.

Vaughan's International Primula Mixture.

This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds with a sprinkling of other colors, enough to give a large variety of colors, the most important of shades predominating. Price for International Mixture, pkt. of 350 seeds, 50c; 5 pkts., 1750 seeds, \$2.00; per 1-16 oz., \$2.50.

10 per cent special cash discount on orders over \$2 for Flower Seeds if the cash is enclosed.

CHICAGO:

VAUGHAN'S SEED STORE

NEW YORK:

84-86 Randolph St.

14 Barclay Street.

One-Half Million Ferns

Our stock of FERNS this season is larger and in better shape than ever, while the assortment is the best we ever offered.

Now is a good time to lay in a supply for fall and winter use; the plants are all open frame grown and are well hardened, and in prime condition to ship.

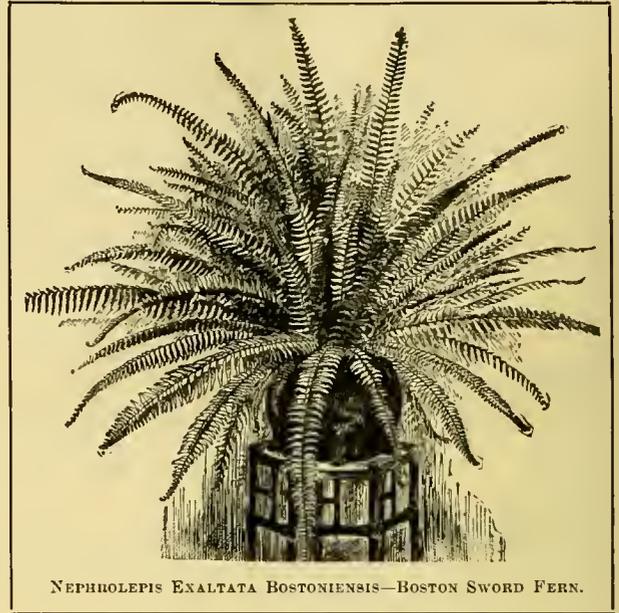
Special Low Prices on Ferns in lots of 2000 or more.

NEPHROLEPIS EXALTATA BOSTONIENSIS

(Boston Sword Fern.)

We have a fine stock of this most popular variety.

2 1/4-inch pots.....75c per dozen; \$ 5.00 per 100; \$40.00 per 1000
7-inch pots.....\$9.00 " 75.00 "



NEPHROLEPIS EXALTATA BOSTONIENSIS—BOSTON SWORD FERN.

General Collection of Fine Ferns

	Inch pots	Per 100	Per 1000
Adiantum Emulium.....	2	\$ 5.00	\$40.00
Aneitense.....	3	12.00	
Bausei.....	3	12.00	
Capillus-Veneris Martesii.....	4	15.00	
Concinnum.....	2	4.00	
Cuneatum.....	2	4.50	30.00
" " Variegatum.....	3	6.00	50.00
" " ".....	2	3.50	30.00
" " Grandiceps.....	4	15.00	
Decorum.....	2	4.00	35.00
Formosum.....	2	5.00	50.00
Farleyense.....	3	15.00	
" " ".....	5	70.00	
Gracillimum.....	2	4.00	35.00
" " ".....	4	15.00	
Legrandi.....	2	5.00	
" " ".....	5	15.00	
Bellum.....	2	5.00	40.00
Mundulum.....	2	5.00	
Pubescens.....	2	3.50	30.00
Rhomboidem.....	3	10.00	
" " ".....	4	15.00	
Rhodophyllum.....	2	5.00	
" " ".....	3	8.00	
Wiegandi.....	2	5.00	40.00
" " ".....	4	12.00	
Alsophila Australis.....	2 1/4	8.00	
Asplenium Obtusilobum.....	3	8.00	
Blechnum Occidentale.....	2 1/4	4.00	35.00
" Rubrum.....	3	6.00	
Cyrtomium Falcatum.....	2 1/4	4.00	35.00
" Fortunei.....	2 1/4	4.00	35.00
" Caryotidium.....	2 1/4	5.00	40.00
Davallia Fijiensis Plumosa.....	3	15.00	
" Strica.....	2 1/4	4.00	35.00
Dictyogramma Japonica.....	3	10.00	
" Japonica Variegata.....	3	15.00	
Dicksonia Antarctica.....	2 1/4	6.00	
Gymnogramma Sulphurea.....	2 1/4	5.00	

	Inch pots	Per 100	Per 1000
Lasirea Aristata Variegata.....	2 1/4	\$4.00	\$35.00
Chrysoioba.....	2 1/4	4.00	35.00
Opaca.....	2 1/4	4.00	35.00
Lomaria Ciliata.....	2 1/4	4.00	35.00
" Gibba.....	2 1/4	4.00	35.00
Lygodium Scandens.....	2 1/4	6.00	
" " ".....	4	15.00	
" Dichotomum.....	3	10.00	
Microlepia Hispidia.....	3	6.00	
" " ".....	5	15.00	
Nephrolepis Pectinata.....	2 1/4	4.00	35.00
Nephrodium Hertipes.....	4	15.00	
Nipholobus Lingua.....	2 1/4	4.00	35.00
Onychium Japonicum.....	2 1/4	5.00	40.00
Palytoma Falcata.....	2 1/4	4.00	35.00
Polypodium Aureum.....	2 1/4	6.00	50.00
Polystichum Coreaceum.....	2 1/4	5.00	40.00
" Setosum.....	2 1/4	3.00	25.00
Pteris Adiantoides.....	2 1/4	3.50	30.00
" " ".....	2 1/4	3.50	30.00
" Argyræa.....	2 1/4	6.00	50.00
" Cretica Albo Lineata.....	2 1/4	3.50	30.00
" " Mayii.....	2 1/4	3.50	30.00
" " Magnifica.....	2 1/4	4.00	35.00
" " Wimsetti.....	2 1/4	4.00	35.00
Drinkwateri.....	2 1/4	3.50	30.00
Hastata.....	2 1/4	3.50	30.00
Internata.....	2 1/4	3.50	30.00
Leptophylla.....	2 1/4	3.50	30.00
Ouvrardi.....	2 1/4	3.50	30.00
Serruata.....	2 1/4	3.00	25.00
" " ".....	2 1/4	3.50	30.00
" " Voluta.....	2 1/4	3.50	30.00
Sieboldi.....	2 1/4	3.50	30.00
Palmata.....	2 1/4	6.00	
Sitobolium cicutarium.....	2 1/4	3.50	30.00
Selaginella Emiliana.....	2	3.00	25.00
MIXED FERNS, our selection.....	2 1/4	3.00	25.00
" " ".....	3	6.00	50.00

For a full line of DECORATIVE PLANTS and other SEASONABLE STOCK see our current QUARTERLY TRADE LIST, of which a copy will be mailed on application, if you have failed to receive one.

Invitation. Florists attending the Convention in New York are cordially invited to visit our establishment at Riverton, N. J. Our representatives will be found in Convention Hall, and will gladly give information as to the best way to reach Riverton.

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

Please mention the American Florist when writing.

They are Fine; None better. We offer if unsold on receipt of order.

	100	1000
2100 Bridesmaid.....in 4 -in. pots	\$4.00	\$35.00
1000 " " ".....3 1/2 "	4.00	35.00
1720 " " ".....3 "	3.00	25.00
500 " " ".....2 "	2.00	20.00
300 Brides.....4 "	4.00	35.00
200 " " ".....3 1/2 "	4.00	35.00
3500 " " ".....3 "	3.00	25.00
1200 " " ".....2 "	2.00	20.00
3000 Meteors.....3 "	2.50	25.00

	100	1000
500 Mmc. Chateau.....in 4 -in. pots	\$4.00	
100 " " ".....2 "	2.00	
125 Mmc. Cusine.....4 "	3.50	
250 Lady Dorothea.....4 "	4.00	
150 " " ".....2 1/4 "	2.50	
2000 Golden Gate.....2 1/4 "	2.50	25.00
700 Maid of Honor.....4 "	3.00	
700 " " ".....2 1/4 "	2.00	

5000 Brides and Maids in 3 and 4-in. pots. These are carried over stock; they are good. We offer them at \$12.00 per 1000.

	3-in. pots	\$12.00 per 100
Latania Borbonica.....4	"	20.00
Areca Lutescens.....3	"	12.00
Cocos Weddeliana.....6	"	25.00
Asparagus Sprengeri.....4	"	8.00
" " ".....3	"	6.00
" " ".....2	"	3.00

Ficus Elastica, 6 in. pots.....75c to \$1.50 each.
Boston Fern, 8-in. pots.....\$25.00 to \$35.00 per 100
Plants are vigorous and unusually fine. Will be carefully packed, and we guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

10,000 Chrysanthemums.

Thrifty, young plants, from 2 1/4-in. pots. To close out, \$2.50 per 100; \$20.00 per 1000. List of varieties on application.

Nathan Smith & Son, Adrian, Mich.

Please mention the American Florist when writing.

Geranium America...

The QUEEN of all Geraniums. Come and see. 3000 plants in full bloom. Good, strong stock plants from 4-inch pots,

\$2.50 per doz.. \$20.00 per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

Please mention the American Florist when writing.

SPECIALTIES IN BEST ...VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.

Prices low. Send for list. VIOLETS.

WOOD BROTHERS, FISHKILL, N. Y.

Please mention the American Florist when writing.

WHILE AT THE CONVENTION

....DO NOT....

Buy Palms and Ferns

UNTIL YOU HAVE SEEN OUR

MR. WALTER RETZER

WHENEVER IN NEED OF THIS CLASS
OF STOCK DO NOT PLACE YOUR
ORDER UNTIL YOU HAVE WRITTEN TO
US. WE ARE OFFERING EXCELLENT
VALUES : : : : : : : : : : : : : : : :

Walter Retzer & Co.,

Wholesale Growers of PALMS,
FERNS and RUBBER PLANTS.

2045--59 Clarendon Ave., (North Halsted St.)

CHICAGO, ILL.



MR. OTTO WITTBOLD, REPRESENTING THE

GEORGE WITTBOLD CO.,

Established
1857.

...Growers of **PALMS AND FERNS**

1657 BUCKINGHAM PLACE, CHICAGO,

Will be at the Convention with samples, in the trade exhibition, of our new *Nephrolepis Wittboldii*, for which he will book orders for the first delivery of stock. Also for the following:

Variety.	Size Pot	Height Inches	Character Leaves	Price Each	Price Doz.	Variety.	Size Pot	Height Inches	Character Leaves	Price Each	Price Doz.
ARECA LUTESCENS , 3 pl. in pot,	3 1/2-in.	6-8	6-9	....	\$2.00	Kentia Forsteriana Continued ...	6	24-28	3-4	1.50	18.00
LATANIA BORBONICA	2	6-8	....	....	.60	"	7	48-50	4-5	2.25	27.00
"	3	8-10	....	....	1.25	"	8	50-58	4-5	3.25	39.00
"	3 1/2	12-15	....	....	1.50	"	9	60-75	6-8	8.00	....
"	4	16-18	....	\$.25	3.00	ARAUCARIA EXCELSA , strong,	3	....	....	.75	9.00
"	5	16-22	3-4	.50	5.40	"	4	....	....	1.00	12.00
"	6	24-30	5-7	.75	9.00	"	5	....	....	1.25	15.00
"	9	30-36	8-9	2.50	30.00	PHENIX RECLINATA	10	40-45	6-8	3.50	....
KENTIA BELMOREANA	3	6-8	4-5	.20	2.00	ASPIDISTRA LURIDA	5	15-20	8-12	.50	6.00
"	3	8-10	4-5	.25	3.00	SANSEVIERA JAV. VAR	2	....	....	....	.60
"	4	10-12	4-5	.30	3.60	"	3	....	....	....	1.25
"	5	12-15	3-4	.60	7.20	"	4	....	....	....	2.00
"	5	18-20	3-5	1.00	12.00	ASPAR P. NANUS , nice plants...	2	....	....	....	.50
"	6	24-26	4-6	1.50	18.00	" SPRENGERII	2	....	....	....	.50
"	7	33-40	4-5	2.25	27.00	"	5	....	....	....	3.00
"	8	40-44	4-6	3.00	36.00	"	4	....	....	....	2.00
KENTIA FORSTERIANA	3	8-10	....	....	2.00	PTERIS SERRULATA	from 2-inch pots, per dozen,	....	....	....	\$0 50
"	3 1/2	10-12	....	....	3.00	" CRISTATA , " 2 " " "	....	....	....	....	50
"	4	10-12	3-4	.30	3.60	" CRET. ALBO-LIN	" 2 " " "	....	....	....	.50
"	5	12-15	3-4	.60	7.20	CYRTOMIUM FALCATUM	" 2 " " "	....	....	....	.50
"	5	18-20	3-4	1.00	12.00						

BUSINESS ADVERTISEMENTS.

Advertisements are too often used. Not only as a medium to sell our goods but the one who buys them. As I never sell those I sell to, I use this medium to induce all that I possibly can, to stop off at Philadelphia (either going to or returning from the Convention of the S. A. F. O. H. in New York), to inspect my greenhouse plant.

For up-to-date appointment, it is one of the best in America. It consists of over nine thousand feet of plate glass, and fifty-five thousand feet of the best greenhouse glass. However it is not to the structure of my place (which is interesting to many), that I invite close scrutiny, but the magnificence of the stock.

Such stock is only possible to be grown in fine houses, and nurtured with skillful hands. As we have long been noted as the best Rubber (*Ficus Elastica*) growers in the world, it is almost needless to say that many thousands are here, showing our noted skill. *Areca Lutescens* which for beauty and grace are the peer of all palms, we have them in majestic form, towering from ten to fifteen feet high, and corpulent. Boston Ferns (*Nephrolepis Exaltata Bostoniensis*), have captured much of our attention this year, and our three houses of them show the care of a specialist. *Pandanus Veitchii* and *Pandanus Utilis* we have in quantities in the best of condition. *Dracenas* in varieties and many other decorative plants.

It was not my purpose in this letter to give a full list of what I grow, but to invite you to come and see; then you will say that, "One-half has not been told."

Take car marked 49th and Chester Ave. on Walnut street and ride to 49th and Chester avenue.

W. K. HARRIS,

55th St. and Springfield Ave., Philadelphia, Pa.

WE CALL ATTENTION TO OUR EXHIBIT OF SAMPLES OF PALMS, CROTONS, ETC.,

AT THE CONVENTION EXHIBITION. WE HAVE A MOST COMPLETE AND EXTENSIVE COLLECTION AT OUR NURSERIES, WHICH YOU ARE CORDIALLY INVITED TO CALL AND EXAMINE.

ROBERT CRAIG & SON,

49th and Market Streets,

PHILADELPHIA, PA.

Attention S. A. F.

If you want a fine lot of Fancy Leaved Caladiums, Latanias, Phœnix, Cannas, Gardenias, Olea Fragrans and Azaleas, write us for prices.

P. J. BERCKMANS CO.,
AUGUSTA, GA.

FOR SALE OR EXCHANGE.

3-inch Brunstl Geranium, 3c; 2 1/2-inch Begonia Dew Drop, 2 1/2c; 3-inch, 4c; 2 1/2-inch Margarita Begonia, 2 1/2c; 3-inch, 4c; 3-inch White Woltomensis Begonia, 4c; 3-inch Coccinea Begonia, 4c; 2-inch Umbrella Plants, 2 1/2c. Cash offer or will exchange for Primroses, Ferns or Palms. They are all fine plants. Guarantee satisfaction or money refunded.

J. W. YATES, Springfield, Ohio.

100,000 FERNS IN FLATS - - -

At One Cent.

Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alba, *P. Tremula*, *P. Sulcata*, *P. Hastata*, *P. Adiantoides*, *P. Longifolia*, *Adiantum*, *Lomaria*, *Lygodium*, *Nephrodium*, *Cristatum*, *Blechnum*, *Selaginellas*, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

Violets.

BIG BARGAIN, 20,000 Marie Louise; 5,000 Swanley White, not a blemish of disease, grand plants, \$15 per 1000.

LINDSAY, The Florist,

BIRMINGHAM, ALA.

THE

Rose Hill Nurseries

30 Minutes from Grand Central Depot,
42d St., by N. Y., N. H. & H. R. R.

New Rochelle, N. Y.

Our Carriages will meet all trains. ∴
All members of the S. A. F. attending the Convention are cordially invited. Everyone interested in Floriculture should see Rose Hill Nurseries. ∴
There is no other place like it in the country. ∴ ∴



WHAT THE ROSE HILL NURSERIES GROW

Palms—Every Commercial Variety, in Quantities.

Orchids—All Leading Varieties for Cut Flowers

Ferns—From smallest Jardiniere Ferns to largest Tree Ferns.

Stove Plants—All the Valuable Sorts for Decorative Purposes.

New Plants of Merit.

Dracaenas—All the Best Decorative Varieties.

Crotons—The Best Collection in the Trade.

Greenhouse Plants—All the Useful Kinds.

Roses—For Outdoor Planting.

Greenhouse and Hardy Out-Door Vines—All Leading Sorts.

Nepenthes—Pitcher Plants.

Hardy Herbaceous and Perennial Plants.

Shrubs—All Varieties—Ornamental and Flowering.

Conifers—Evergreens, etc., in Great Variety.

Aquatic Plants—Hardy and Tropical.

Bay Trees—All Forms and Sizes.

Box Trees—Standard and Pyramid Forms.

STAGES FOR ROSE HILL NURSERIES WILL MEET THE 9 and 10 O'CLOCK TRAINS IN THE MORNING AND THE 2 O'CLOCK TRAIN IN THE AFTERNOON, FROM GRAND CENTRAL DEPOT, AT NEW ROCHELLE STATION, EVERY DAY DURING THE CONVENTION. ∴ ∴ ∴ ∴ ∴ ∴ ∴

SIEBRECHT & SON, PROPRIETORS

Worcester.

VARIOUS CONDITIONS IN EASTERN MASSACHUSETTS.—DRY WEATHER RETARDS CARNATIONS.

After a month of unusually dry and exceedingly hot weather, we are experiencing a week of almost steady rain and the thermometer has dropped from the vicinity of 100° to 60°. Although the sudden change in temperature is almost too much of a good thing, the rain is badly needed and will be of great benefit to various crops in the field. Carnations, especially, were sadly in need of rain and are not nearly as large as at this time last year. Of the newer varieties Crocker has made the best growth, closely followed by The Marquis and Mrs. Lawson. Crane has suffered severely from stem rot in many localities and Bradt has also been affected. No one in this vicinity has begun housing carnations yet, but the houses are being repaired and gotten in condition and another week will probably see lifting in full swing. Roses are in fine condition and Liberty looks very promising. Chrysanthemums are coming along nicely and the number planted is equal to last year.

H. F. A. Lange and C. C. Lange will attend the convention and are the only delegates from here of whom I have heard. Lange is finishing a new house 27x150, cement walls and 16x16 butted glass.

H. A. Cook, of Shrewsbury, is not satisfied with his water supply and will sink an artesian well and put in a steam pump. A. H. L.

St. PAUL, MINN.—James Souden, for the past eight years general manager of the greenhouse department of L. L. May & Co., will enter the employ of L. S. Donaldson, of Minneapolis, in a similar capacity. Mr. Donaldson having purchased the establishment of the C. A. Smith Floral Co.

Continued to Sept. 1st.

100,000 plants for sale at half price and leas to make room.

Roses—20,000 strictly A1 plants, 3½ and 4-in. (big fellows), Bride, Perle, Meteor, Maid and Golden Gate, only 4c; worth 10c. The same in 2½ and 3 in., only 3c; cheap at 6c.

Smilax—15,000 double extra, guaranteed as good as you ever planted, \$1.00 per 100, \$10.00 per 1000; as many as you want.

Geraniums—10,000 Bruanti (dbl. scarlet) and S. A. Nutt, the two best selling Geraniums of the age; Rose Geraniums and 10,000 other leading bedders; strong 2½ and 3-in., only \$1.50 per 100. Bear in mind this is only the price of Rooted Cuttings, and you can't buy them for double that in a month.

Dbl. Fringed Petunias and Coleus—In superb collection. Ageratum Princess Pauline and White Lady, only 1c.

Fuchsias—Strong 4-in., \$1.00 per doz.; 2 and 2½-in., \$1.50 per 100.

Calla Bulbs—Strong 8 and 10c size for 5c.

CASH WITH ORDER

SOUTH SIDE FLORAL CO., Springfield, Ill.

ELECTROS... 

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

JOHN YOUNG

51 West 28th Street,

NEW YORK CITY,

Offers BEST Grade

AMERICAN BEAUTIES,
LILY OF THE VALLEY
AND CARNATIONS.

All Specially Grown for Summer Demand.

S. A. F. VISITORS INVITED TO CALL.

J. B. DEAMUD,

Wholesale

Carnations,
Valley.

Roses, Violets.

Orchids and 'Mums

IN SEASON.

Florist,



51 WABASH AVENUE,
CHICAGO.

Consignments of Good Stock Solicited.

First-class FERNs, \$1.00 per 1000, always on hand.

XXX Stock

For
Immediate
Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—
Finest strain in the world. Now ready to ship; a splendid stock of plants in four true colors, red, white, pink, and white with carmine eye, from 2½-inch pots, \$5.00 per 100; \$40.00 per 1000; from 3-inch pots, \$7.00 per 100, \$65.00 per 1000. 250 at the 1000 rate.

SPECIAL OFFER. CINERARIA HYBRIDA MAXIMA GRANDIFLORA and Maxima Grandiflora Nana. strain superb in every way, transplanted from flats, strong plants, \$1.50 per 100; \$12.50 per 1000. 250 at the 1000 rate.

CHINESE PRIMROSES, (ready Aug. 15th) in the finest market varieties, including blue, double white and red, from 2½-in. pots, \$2.50 per 100.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

THE "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, \$4.20 per year. Remittances to be made payable to H. G. COVEY.

OFFICE:—

41 Wellington St., Covent Garden, London, England.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Facts Which Speak for Themselves

RECORD MADE BY

THE QUEEN OF EDGELY

WINNER OF HIGHEST HONORS WHEREVER SHOWN

ORIGINATED FOUR YEARS AGO AS A SPORT OF AMERICAN BEAUTY AT THE NURSERIES OF THE FLORAL EXCHANGE, Inc., EDGELY, PENNSYLVANIA

MARCH 27, 1900, Exhibited First Time,
Rose Show, Eden Musee, . . . New York
CERTIFICATE OF MERIT

April 3, 1900, Report of Judges, Phila. Florists' Club

WE ARE CONVINCED THAT THIS VARIETY IS A VALUABLE ADDITION TO THE LIST OF FORGING ROSES, BEING IN EVERY RESPECT, EXCEPT COLOR, THE EXACT COUNTERPART OF THE AMERICAN BEAUTY. THE COLOR IS A BEAUTIFUL, BRIGHT PINK, WHICH IS GOOD, EVEN IN THE FULL FLOWERS. THE FRAGRANCE IS ALSO AS FINE AS THAT OF BEAUTY, AND THE EXHIBITED BLOOMS SHOWED REMARKABLE VIGOR.

SIGNED: ROBT. KIFT, JOS. HEACOCK, WM. MUNROE.

April 17, 1900, SILVER MEDAL awarded by Penna. Horticultural Soc.

May 5, 1900, SILVER MEDAL awarded by Mass. Horticultural Soc.

May 9, 1900, SILVER MEDAL awarded by the American Institute, N. Y.

Plants Ready for Distribution APRIL, 1901



SEND FOR BOOKLET TO

Or to

ROBT. CRAIG & SON, Eastern Agts.,
49th and Market Streets, Philadelphia.

E. G. HILL & CO., Western Agts.,
Richmond, Indiana.

The Floral Exchange, Inc.
335 North Sixth Street, PHILADELPHIA, PA.

Grand Rapids.

LITTLE ACTIVITY EXCEPT IN THE BUILDING LINE.—EVERYBODY ADDING NEW GLASS.

It is hot as blazes and there isn't any business. The summer resorts are in full blast and so are the building operations. Nearly everyone is building or has built this season and a great many are not only adding to their glass but are remodeling old houses. The following now have constructions under way, although some of them have been previously reported as contemplated.

Henry Smith is adding a new violet house and is rebuilding two old structures into one large house. Eli Cross is adding two houses to his range for violet growing. Crabb & Hunter are adding two violet houses and are rebuilding three small houses into one large one for roses. Mulic Brothers are also converting two small structures into one modern one. Freyling & Mendalls are building a new rose house, James Schols is putting up a house for general stock and the Grand Rapids Floral Company is adding two houses. Hill & Pohlmann are building three violet houses and Charles Chadwick is putting up 40,000 feet of glass, mostly for carnations. It looks as though Grand Rapids' output would be materially increased this year, doesn't it?
G. F. C.

ELKHART, IND.—A. H. DuBois, of the Elkhart Floral Co., and John Sutlif, of Hill's Greenhouses, are on a bicycle trip to the home of the former at Peoria, Ill.

60,000

FIELD-GROWN

Carnation Plants

Argyle,	Flora Hill,
Pingree,	Triumph,
Tidal Wave,	Scott,
Evelina,	McGowan,
Gold Nugget,	Armazindy,

Per 100 \$4.00; per 1000 \$35.00.

ROSE PLANTS.

METEOR BRIDESMAID BRIDE } From 2 1/2 and 3-in. pots,
Per 100, \$3.00; 1000, \$25.00.

AMERICAN BEAUTY, 3-inch pots, per 100, \$5.00; per 1000, \$45.00.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

WE STILL HAVE TO CLOSE OUT Cheap

2500 Maids, 2 1/2-in., 500 La France, 2 1/2-in.,
1000 Perles, 2 1/2-in., 1000 Meteors, 3-in.,
500 Am. Beauties, 2 1/2-in., 500 Kaiserin, 2-in.
Boston Ferns now ready for 5 and 6-in. pots.

WRITE FOR PRICES. **Geo. A. Kuhl, Pekin Ill.**

ROSES



1800 Brides, }
300 Maids, } 3-in., \$4 per 100

CASH WITH ORDER, PLEASE.

ALBERT F. ANGLING, Maywood, Ill.

GENEVIEVE LORD

ANOTHER year's trial convinces us that it is not only a worthy successor to Wm. Scott, but far superior to that variety in every way. In short it is the finest pink Carnation to date, all things considered. We offer a limited number of field grown plants as follows:

FIRST SIZE, \$12.00 per 100
SECOND SIZE, \$10.00 per 100

Also a few other varieties. Write for prices, etc. Delivery Sept. 1st.



H. WEBER & SONS, Oakland, Md.

25,000 Carnations 25,000

FIELD GROWN PLANTS OF THE FOLLOWING VARIETIES:

15,000 Flora Hill.....	\$ 5.00 per 100	2,000 Eldorado.....	4.00 per 100
4,000 White Cloud.....	8.00 "	1,000 Wm. Scott.....	4.00 "
1,000 Mrs. Bradt.....	10.00 "	1,000 Daybreak.....	5.00 "
1,000 G. H. Crane.....	10.00 "	500 Emily Pierson.....	4.00 "
1,000 McGowan.....	4.00 "		

These Plants are all in first-class condition, good size and healthy stock. Write me if you are in need of a large quantity.

CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

CARNATION PLANTS FOR SALE.

25,000 Carnations at \$3.50 to \$5.00 per 100; \$23 to \$38.00 per 1000. Flora Hill, McGowan, White Daybreak, Scott, Cerese Queen, Victor, Eldorado and others.

STEAM PIPE WANTED.

I will take in exchange for Carnation Plants, 8'0 to 1200 feet of 1-inch and 3-inch, and 150 feet of 4-inch new or second-hand Steam Pipe. State price and condition.

W. H. WATSON, Lapeer, Michigan.

Carnations SURPLUS STOCK

Field Grown, Heavy and Stocky.

TRIUMPH, MRS. JOOST, ARGYLE, MELBA, GLACIER, FLORA HILL, \$5.00 PER HUNDRED

JOY & SON, Nashville, Tenn.

5,000 FIELD GROWN CARNATIONS.

We have the following varieties in excellent shape for shipment: Pingree, Triumph, Evelina, Flora Hill, America, Gold Nugget, J. A. Newby, McBurney, Armazindy, Crane, Bradt, Daybreak, etc. Write for prices before placing your order.

W. W. COLES, Kokomo, Ind.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS.

Send for prices of thirty-five best new and standard varieties.

GEO. HANCOCK & SON,
Grand Haven, Mich.

Schmidt's Pansies have no equal. New crop now ready; no matter what you pay, you cannot get a better strain; 1/4 ounce, \$1.25; 1/2 ounce, \$2.00; one ounce, \$4.00.
J. C. SCHMIDT, BRISTOL, PA.

WM. MURPHY

Wholesale Carnation Grower

Stefion F, CINCINNATI, OHIO.

Carnations. Field Grown.

Now ready for planting in. Strong stock.
DANA R. HERRON, Olean, N. Y.

Extra
Fine **Field Grown Carnations**

	Per 100	Per 1000
4000 GENEVIEVE LORD - - - -	\$10.00	\$75.00
2400 CHICAGO - - - - -	7.50	60.00
250 MRS. JAS. DEAN - - - -	5.00	
2000 GEN. MACEO - - - - -	8.00	60.00
200 GEN. GOMEZ - - - - -	8.00	
800 JOHN YOUNG - - - - -	6.00	50.00
5000 MRS. FRANCES JOOST - - - -	5.00	40.00
250 ARGYLE - - - - -	4.00	
5000 ARMAZINDY - - - - -	4.00	30.00
7000 EVELINA - - - - -	4.00	30.00
8000 WILLIAM SCOTT - - - - -	4.00	30.00
900 FLORA HILL - - - - -	4.00	30.00

Blooms of all leading varieties, including Mrs. Thos. W. Lawson and The Marquis, unlimited quantity, shipped direct after September 15.

CASH MUST ACCOMPANY ORDER.

CHICAGO CARNATION CO., JOLIET, ILL.

In regard to the coming Pink Carnation

© **IRENE** ©

See **GEORGE F. CRABB**,
of Crabb & Hunter, Grand Rapids, Mich.,
at the New York Convention.....

CARNATIONS!

F. Dorner & Sons Co.,

LA FAYETTE, IND.

Please mention the American Florist when writing.

A BARGAIN. I have a few hundred field grown carnation plants At Snap Bargain. For prices and varieties address **W. J. MILLER 403 E. Water St., PONTIAC, ILL.**
Please mention the American Florist when writing.

CHINESE.... PRIMROSES

50,000 finest large flowering fringed.....1000, \$17.00; Per 100, \$2.00
Obconica grand., fimbriata, rosea and Forbesi " 2.00
Obconica grandiflora and rosea, ready Sept 1st.
Asparagus { Sprengerii.....\$3.00 per 100 Pansy Seed, large flowering,
Plumosus..... 4.00 " ounce, \$4.00
Cinerarias, August 20.....\$2.00 per 100.

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

About Novelties.

The love of novelty is inherent in human nature. New drinks and amusements have their vogue if a test proves satisfactory; new styles in dress may be seen and examined, but how hidden behind the insidious description in printer's ink is the true character of the plant novelty grown from seed? How true to the alluring description of the catalogue will be the product of the tiny seed that costs so much? Only time will tell. Novelties produce more disappointment and, again, more pleasure than all the balance of the catalogue. Ninety per cent of them are failures, yet the other ten per cent more than make up for the disappointment of the majority.

This year has produced three good novelties, two in the seed line and one among tuberous plants. The new "miniature double sunflower" is worthy the occupancy of any garden. In the flower the center is quite double, two inches in diameter and composed of a multitude of small, narrow, yellow petals, while the outer ray petals are broad and an inch in length. The flowers are borne on long stems, last well and are quite decorative.

Next comes the pink ostrich-feather aster, a good companion to the white form introduced a few years ago. To the lover of dahlias who has not grown the new cactus variety, Aegir, there is new pleasure ahead. It is an early bloomer and a good grower. The flowers are some four inches in diameter. It is aptly described as follows: "An entirely new and distinct form in cactus dahlias. The petals are tubular or quilled, twisted and arranged in the most fantastic yet regular form; color a rich, warm cardinal scarlet." In this case the writer could not draw upon his imagination, as the flower itself exceeds in beauty anything words could express. W. C. E.

Asparagus Plumosus

Fine 3-in. Stock, \$5.00 per hundred.

==Smilax==

Fine 3-in. Stock, \$2.50 per hundred.

VAN WERT GREENHOUSES,

.....VAN WERT, OHIO.

VIOLETS

From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, \$2.50 per 100, \$20 per 1000. New Imperial, \$3 per 100, \$25 per 1000.

ROSES, fine plants of Meteor and Perle, from 3-in. pots, at \$3 per 100, or \$25 per 1000; also 3-inch Brides and Maids same price.

300 bushy **SMILAX PLANTS** at \$1.50 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz. **GERANIUMS**, S.A. Nutt and others, 3-in., \$4 per 100. **NEP. CORDATA COMPACTA**, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.

ASPARAGUS PLUMOSUS, 2 1/4-in., \$5 per 100, \$40 per 1000. **ASPARAGUS SPRENGERII**, 2 1/2-inch, \$4.00 per 100; \$30.00 per 1000. **SMILAX**, transplanted, heavy, 50c per 100.

CASH PLEASE. **Carl Hagenburger**, W. Mentor Ohio.

SPECIALTIES

For Fall Delivery.

VINCA MINOR and **MAJOR**. **TUBEROSES**—Pearl and Single Variegated. **CALADIUM ESCULENTUM**.

25,000 Arbor Vitae from 18-in. to 5 ft. **Dionaea Muscipula**, and all native bog plants.

IF INTERESTED, WRITE TO

JAMES M. LAMB, Fayetteville, N. C.

MIGNONETTE.

Allen's Deliance, seed from selected spikes, 25c per pkt., \$1.00 per ounce.

J. C. SCHMIDT, BRISTOL, PA.

FIRST QUALITY FORCING ROSES.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagation.

AMERICAN BEAUTY, METEOR, KAISERIN, SAFRANO, BRIDESMAID, BON BILENE, PERLES, MAID OF HONOR, BRIDE.
3-inch pots, \$5 00 per 100. 4-inch pots, \$8 00 per 100.

GRAFTED ROSES. Maid of Honor, Golden Gate, 3 1/4-inch pots, \$15 00 per 100. Liberty, 4-inch pots, \$8 00 per dozen, fifty plants for \$24.00.

J. L. DILLON, BLOOMSBURG, PA.

STRONG SELECT 3-INCH ROSES.

Special price to sell. Strong enough to bloom soon. Will make you money. Per 100 Per 1000
10,000 MAIDS and BRIDES.....\$4.00 \$35.00
3,000 PERLES..... 5.00 45.00

This stock is well worth \$6.00. We guarantee it to give satisfaction.

W. H. GULLETT & SONS, Rose Growers, LINCOLN, ILL.

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. **LIBERTY**, four-inch, \$75.00 per 100. **MAID, BRIDE, PERLE**, 3 1/2-inch, \$8 00; 4-inch, \$10.00. Also **SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, GRAFTED BRIDE**, \$20.00 per 100, large 4-in. **ASPARAGUS PLUMOSUS**, all sizes. **MARIE LOUISE VIOLETS, SMILAX.**
A. S. MacBEAN, LAKEWOOD, N. J.

NEW SEEDLING ROSE

WINNIE DAVIS.

This grand rose should be grown by every florist as a pot plant, or for forcing, being a cross between Kaiserin Aug. Victoria and Belle Siebrecht. Color, apricot pink, shading to a flesh tint; odor of a most delicious ripe fruit. Shape being oblong and well formed, when fully open resembling a sunburst, which is most striking and beautiful. A very free and vigorous grower and bloomer. Color never changes in dark weather like most colored roses. Magnificent light green glossy foliage. Strong thrifty plants, 2 1/2-in. pots, \$5.00 per doz.; \$25.00 per 100.

JASMINES.

Jasminums: Maid of Orleans, Grand Duke, Grandiflora, Sambaou or Arabian, Revolution, strong thrifty plants, 3-inch pots, \$6 00 per 100.

Address **NANZ & NEUNER.**

582 Fourth Ave., LOUISVILLE, KY.

TO CLOSE OUT.

500 American Beauties 2 1/4-in., \$5 00 per 100, or \$20.00 for the 500.
2000 Kaiserin, 2000 Golden Gate, 2000 Bridesmaid, 1000 Meteor, 500 Garrett, 500 Bride, 500 Perle, 500 Mermet, 3 and 3 1/2-in., \$3.00 per 100, or \$25.00 per 1000.

These are Fine Plants. Cash With Order. **MRS. J. W. CROUCH**, Chattanooga, Tenn.

ROSES

CLEAN, HEALTHY PLANTS, FROM 3-INCH POTS.

American Beauty and Kaiserin.....\$6.00 per 100
Perle and LaFrance..... 5.00 " "
Meteor, Albany, Sunset, Golden Gate, Bride, Bridesmaid, Wootton..... 4.00 " "
Perle, Sunset, LaFrance, Bride, Bridesmaid, Meteor, Kaiserin and Golden Gate, from 2-inch pots..... 2 50 " "
JOSEPH HEINL, Jacksonville, Ill.

ROSE PLANTS.

In Perfect Condition; A Good Bargain to Make Room.
Per 100 Per 100
Meteor, 3 1/2-in. \$3.50 Brides, 3-in. \$3.00
Brides, 3 1/2 and 4-in. 4.00 Perles & Maids 3-in. 3.00
Beauties, 3-in. 3.50 Beauties, 3 1/4-4-in. ... 5.00

BROWN & CANFIELD, SPRINGFIELD, ILLINOIS.

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for **NURSERYMEN, FLORISTS and SEEDSMEN** SEND FOR PRICE LIST. Stock Cuts, 10c per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.
VREDENBURG & CO., Rochester, N. Y.

REDUCED PRICES TO CLOSE OUT.

ROSES

	2 1/4-inch.	3-inch.
Brides.....	\$3.00	\$5.00
Maids.....	3.00	5.00
Cloth Souperl....	3.00	5.00
Meteor.....	3.00	5.00
Am. Beauty.....	3.00	5.00

	Per 100	Per 1000
Mixed Jardiniere Ferns, mostly pteris varieties.....	\$3.00	\$25.00
Asparagus Sprengerii, 2 1/2-in.	4.00	35.00
" Plumosus, ".....	6.00	55.00
Adiantum Farleyense, flos stock, 6-in. pots, 50c each		Per 100
Smilax, 3-inch.....	\$ 4 00	
Dracæna Terminalis, 4-inch.....	15.00	
Phoenix Canariensis, elegant stock, 4 1/2 to 5-inch.....	20.00	
Chamærops Excelsa, 5-inch.....	25.00	
" 4 ".....	20.00	

J. B. HEISS,

The Exotic Nurseries, DAYTON, O.

Rose Plants.

First-class, healthy Plants. To close out we quote the following low prices:
500 Beauties..... 3-inch, \$4 00 per 100
1000 Perles..... 3 " 3.00 " "
1000 Meteors..... 3 " 3.00 " "
800 Bridesmaids..... 3 " 3.00 " "
400 Brides..... 3 " 3.00 " "

A. G. PRINCE & CO, 76 & 78 Wabash Av., Chicago.

3,000 Meteor Plants.

3 1/4-inch pots per 100, \$3.00; per 1000, \$25.00. Big, strong and in prime condition. Although the season is well advanced with these plants there is a reasonable chance of success.

BRANT & NOE, Forest Glen, Chicago, Ill.

Surplus Roses.

175 BRIDES 4-inch, good stock at \$3.50 per hundred or \$5.50 for the lot.

JOS. M. SMELY, Aurora, Ill.

Cyclamen Persicum Giganteum

White with red eye, dark red, pink (light and dark), 100 seeds, 80c; 1000 seeds, \$7.00. Monthblanc, pure white, very fine and fragrant, 100 seeds, \$1.00; 1000 seeds, \$8.00. 500 at 1000 rate. Above seeds just arrived from Germany. Guaranteed A1. Try them. Terms Cash.

CONRAD LICHHOLZ, Box 1036, Warren, Pa. Please mention The American Florist when writing.

TELL THEM WHERE YOU SAW THE AD.

BEGONIA GLOIRE DE LORRAINE

LARGEST STOCK IN THE COUNTRY

... IN PERFECT HEALTH



BEGONIA GLOIRE DE LORRAINE.

Specimen Christmas Plant from which Our Stock is Propagated.

This is one of the most striking plants that has been introduced for many years. The habit of the plant is compact and dwarf, making handsome specimens 14 inches in height and breadth. Its chief attraction is its extreme floriferousness, the entire upper part of the plant being literally covered with its brilliant, clear, pink flowers to such an extent that the foliage is usually hidden. It has been grown extensively around Boston, New York and Philadelphia, and brought in in splendid shape for Christmas sales, and the entire stock grown was sold at prices ranging from \$2.50 to \$4.00 each, wholesale, the same plants retailing at from \$5.00 to \$10.00 each. It promises to be more extensively grown than ever for that purpose and is undoubtedly one of the most useful Christmas plants now in existence.

PRICE

For fine strong plants, September and October delivery, from

	Per doz.	Per 100.	Per 1000.
2 1/2 inch pots	\$2.50	\$17.50	\$175.00
3 1/2 inch pots	4.00	30.00	

We shall have a fine stock of plants in 5 and 6 inch pots, in full flower for Christmas and Easter. Prices upon application.

Field-Grown . . . Carnation Plants

The stock of field-grown Carnations which we offer for sale this season is in especially good condition. The plants have been grown upon good soil; the season has been favorable, and we have been less afflicted with plant diseases of all descriptions than at any period heretofore in the history of our Carnation growing. We invite attention to our price list below, and would be pleased to have intending purchasers call and examine the stock. Having a large stock of plants and every facility for packing and shipping promptly, we can fill all orders on the shortest possible notice.

	Per 100.	Per 1000.		Per 100.	Per 1000.
Olympia.....	\$12.00		G. H. Crane, extra selected.....	\$ 8.00	\$75.00
Genevieve Lord.....	12.00		“ “ 2nd size.....	6.00	50.00
The Marquis.....	10.00		Gen. Maceo, extra size.....	8.00	75.00
Ethel Crocker.....	10.00		“ “ 2nd size.....	5.00	40.00
Morning Glory.....	8.00	\$75.00	Gen. Gomez, 1st “.....	7.00	60.00
Flora Hill Sport.....	10.00		“ “ 2nd “.....	5.00	40.00
Red Bradt.....	8.00	75.00	Mrs. G. M. Bradt, extra selected.....	8.00	75.00
Mrs. James Dean.....	6.00	50.00	“ “ 2nd size.....	6.00	
White Cloud.....	6.00	50.00	Wm. Scott.....	5.00	40.00
			L. McGowan.....	5.00	40.00

GERANIUMS

STRONG STOCK FROM 2 1/2 INCH POTS

Granville, Mme. Buchner, Eulalia, Countess de Harcourt, per 100.....	\$ 3.50	Jean Viaud, Mme. Charratte, La Fraicheur, M. H. Tilman, Mary Pelton, De La Vigne, Rudyard Kipling, Malgache, Rycroft Pride, Andrew Lang, Mme Carnot, per 100.....	\$10.00
Caesar, Kleber, Modesty, Miss F. Perkins, Mars, Rena Bazin, Marvel, Mme. Jaulin, H. de Parville, S. A. Nutt, Mrs. J. M. Gaar, H. Dauthenay, per 100.....	4.00	Chateaubriand, Barbary Hope, Mme. J. Cibiel, per 100....	15.00
Jno. Doyle, Mme. Goyeux, Paul Barre, Gertrude Pearson, Olivia, per 100.....	5.00	Asparagus Sprengerii and Plumosus Nanus, per 100.....	5.00
La Fayette, Dr. Despres, M. Canovas, Nydea, H. Charron, Mark Twain, Pierre Le Brun, per 100.....	6.00	per 1000.....	40.00
Richelieu, J. B. Varrone, Daumier, Cerise, Jno. P. Cleary, Pasteur, Crabbe, per 100.....	8.00	Delphinium Formosum, Coreopsis Giant Flowered, Sweet Williams, per 100.....	8.00
		Incarvillea Delavayii, per 100.....	10.00

THE COTTAGE GARDENS

C. W. WARD, Manager.

QUEENS, LONG ISLAND



Don't Forget

that you can always procure the very best

SEEDS AND BULBS

and receive prompt attention and square dealing at the new ::

Seed Store

HENRY F. MICHELL

SEEDS, PLANTS, & BULBS, HORTICULTURAL SUPPLIES, 1018 MARKET ST. PHILADELPHIA :::



SPECIAL OFFER

Michell's Giant Strains

OF...	Per trade pkt.	Per 1/2 trade pkt.
Cineraria	\$1.00	\$0.60
Primula Sinensis	1.00	.60
Calceolaria	1.00	.60
Pansy Giant Exhibition.	1.00	.50

Per 1/4 Oz. \$1.50; \$5.00 Per Oz.

ALSO ALL OTHER CHOICE SEEDS.

Send for our Wholesale Catalogue, now ready. Write us for special quotations on large orders.

TELEPHONE 3-55 43 A.....

MR. FREDK. J. MICHELL AND OTTO ROBOLD WILL REPRESENT THE ABOVE FIRM AT THE CONVENTION AND WILL USE THEIR BEST EFFORTS TO ENTERTAIN ALL FLORISTS AND GARDENERS.

Henry F. Michell.
Fred. J. Michell.

IF YOU PLEASE, Just a moment, to tell you that my Stock contains the best the Philadelphia market affords in Cut Flowers. My personal attention given to all orders. Consignments of first-class Stock solicited.

GEORGE M. MOSS, Wholesale Florist,

TELEPHONE

No. 30 South 17th. St., PHILADELPHIA.

MÖLLER'S Deutsche Gärtner-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt. (GERMANY)

NEW CROP SEEDS READY FOR SOWING NOW, IN TRADE PACKETS.

Pansies. Koerner's Giant Standard, the leading large flowering mixture on record, 1/2 oz. \$1; trade pkt. 50c. Koerner's Giant Private Stock Pansy Mixture, this strain contains all the fancies and novelties, something for private customers, 50c. **Giant Fire Blotch**, one of the best French strains of odd markings, 25c. **Lord Beaconsfield**, blackish purple, yellow and white, each separate, giant flowerings, 25c. **Belles or Double Daisy, Snow Ball**, best white, 15c.; best pink, 15c.; best mixed, 10c. **Canterbury Bell**, Cup and saucer, mixed, 10c.; double mixed, 10c.; single mixed, 10c. **Cineraria.** Koerner's Prize Taker, dwarf large flowering extra select strain. If you want something fancy in cinerarias don't fail to try these, 25c. **Cyclamen Persicum Giganteum.** Giant White, red, pink and white with red eye, each separate, per 100 seeds, 75c. Giant splendid mixed per 100, 60c; 25 at 100 rate. **Ferns.** Fresh spores, Australian Tree Fern, 25c. All kinds mixed, my own saving, 25c. **Forget-me-not.** The best hardy and everblooming, 15c. **Hollyhock.** Extra choice double all colors mixed, 15c. **Palm Seeds.** Latania Borbonica, Phoenix, Reclinata and Washingtonia Filifera or Weeping Palm, each separate or all mixed, fresh seeds per 100, \$1. **Poppies.** Oriental and Iceland, each 10c. **Wallflower.** Single mixed, 10c; double mixed, 15c. **Aquilegia.** Double, single and longspurred, all kinds mixed, 10c. **CASH WITH ORDER PLEASE.** H. W. KOERNER, 1175 Kinnickinnic Ave., MILWAUKEE, WIS.



THE TRUE BOSTON FERN

All our Boston Ferns are pot-grown, bushy plants, well furnished with fronds from the pot up, and cannot be compared with the cheap, long-drawn-up, lifted stock from the bench. A sample shipment will convince you of our superior stock.

Runners from bench, short and stocky.....	@	\$.04
2½ inch pot plants.....	@	.06
3 inch " ".....	@	.12
4 inch " ".....	@	.25
5 inch " ".....	@	.50
6 inch paus ".....	@	.75
7 inch " ".....	@	1.00
8 inch " ".....	@	1.50
9 inch " ".....	@	2.00 to \$2.50
10 inch " ".....	@	3.00 to 3.50
12 inch " ".....	@	4.00 to 5.00

Nephrolepis Washingtoniensis

5 inch pots.....each, 30c.; doz., \$3.00; 100, \$20.00.

PALMS

Areca Lutescens	Per doz.	Per 100.
3 inch pots, 12 inches high.....	\$1.50	\$10.00
4 inch pots, 3 plants in a pot, bushy stock 18 inches high.....	6.00	40.00

Kentia Belmoreana

4 inch pots, 12-15 inches high, 5-6 leaves.....	Doz.	\$ 5.00
5 " " 15-18 " " 6-8 " heavy.....		9.00
5 " " 22-24 " " 5-6 ".....		15.00
6 " " 24-26 " " 8-10 " very bushy..		24.00

Kentia Forsteriana

4 inch pots, 15-18 inches high, 4 leaves.....	\$ 5.00
5 " " 24 " " 5 ".....	9.00
6 " " 30 " " 5-6 ".....	11.00
6 " " 36 " " 5-6 ".....	15.00
6 " " 40 " " 5-6 " each, \$2.00..	22.00

Latania Borbonica

3 inch pots, 10-12 inches high, showing character leaves.....	Per doz.	Per 100.
4 inch pots, 2-3 character leaves.....	\$1.00	\$8.00
5 " " 4 " ".....	3.00	5.00

Phoenix Canariensis

7 inch pots, 24-30 inches high, bushy, each.....	\$2.00
8 " " 36 " " ".....	2.50

Ficus Elastica, the Large-leaved Rubber

We have a large stock of this popular plant and offer good value.

5 inch pots, 18 inches high, perfect plants..	Per doz.	Per 100.
6 " " 24 " " ".....	\$5.00	\$40.00
	9.00	60.00

Asparagus Sprengerii

2½ inch, extra strong, per 100.....	\$4.00
3 " " " ".....	5.00
4 " " " ".....	8.00

Asparagus Plumosus Nanus

Extra choice stock, 2½ inch pots, per 100.....	5.00
" " " 3 " " ".....	8.00
" " " 4 " " ".....	12.00

Acalypha Sanderi

Strong plants from 4 inch pots, in bloom....	Per doz.	Per 100.
	\$1.00	\$7.00

Ageratum Stella Gurney, new dwarf blue

3 inch pots.....	.75	5.00
------------------	-----	------

Hibiscus Peachblow, double pink flowers

3 inch pots.....	1.00	8.00
------------------	------	------

NEW HARDY ROSE—Princess of Naples

A cross between Capt. Christy and La France. Same habit of growth as American Beauty; flowers as large as Capt. Christy and color of La France. A grand rose for pot sales in early spring.

Strong 3 inch stock.....per doz., \$1.50; per 100, \$10.00

CARNATIONS, FIELD-GROWN. First Size Plants

Chicago or Red Mrs. G. M. 100	Wm. Scott, Pink.....	100	4.00
Bradt.....	Mrs. F. Joost, Pink.....	5.00	5.00
Ethel Crocker, Pink.....	Tidal Wave, Carmine.....	4.00	4.00
Gen. Gomez, Crimson.....	Mary Wood, White.....	4.00	4.00
Genevieve Lord, Pink.....	Mrs. Jas. Dean, Pink.....	5.00	5.00
Melba, Pink.....	Morning Glory, Daybreak		10.00
Mrs. Thos. W. Lawson, Pink	Shade.....		4.00
Marquis, Best Pink.....	Armazindy, Variegated.....		8.00
Mrs. Bradt, Variegated.....	White Cloud, White.....		8.00
Mrs. Lippencott, Pink.....	Estelle, Scarlet.....		12.00
Olympia, Variegated.....	Maud Adams, Pink.....		4.00

Wholesale Jobbing Agents Dallidonne Brothers,

NEW CARNATION 666 Book Orders Now

GERANIUM JEAN VIAUD—(Bruant).

The grandest Pink Geranium of them all. Stocky growth; incessant bloomer; flowers of largest size, in immense trusses. Flowers are semi-double, on order of Beaute Poitevine; color is exquisite light rose. We have a large amount of stock planted out of doors and offer strong young plants from 2-inch pots ready October 15th. Price, per doz., \$1.25; per 100, \$10.00.

IMPORTED JAPANESE FERN BALLS.

Florists will find a ready sale for these either Dormant or in Leaf. The supply last year was not equal to the demand. **Ready in December—Order Now.** Price, each, 50c; doz., \$4.00; 100, \$30.00. Write for prices on large quantities.

Seeds and Temperature.

The experiments conducted by Mons. E. Schrebaux in relation to the degree of heat seeds will endure without injury to germinative power, to which reference was made last week, naturally leads to the query as to whether any severe tests have been applied to seeds for the purpose of determining in what temperature they will keep longest and best. I have been surprised this season to find wrinkled peas and dwarf French beans, kept in a very dry room and in an average temperature of 50° and simply in canvas bags for two years, gave first-rate growth; so good, indeed, as to lead to the impression that a further storage of a year would have done them no harm. Still, in the keeping of seeds so very much depends on thorough maturation, and the warm season of 1898 contributed to that end thoroughly, as also did last season. It may not be generally known that consignments of seeds sent to India, Africa and other hot climates are subjected to considerable warmth first.—*Germinal in Journal of Horticulture.*

BLOOMINGTON, ILL.—F. A. Baller is rustivating at Hancock, Mich., for a couple of weeks.

MILWAUKEE, WIS.—G. Volk is not finding the way through bankruptcy particularly smooth. His wife, his customers and the trustee are all claiming the right to portions of his stock and the matter seems sadly involved.

ATTENTION S. A. F.

If you want a fine lot of Fancy Leaved Caladiums, Latanias, Phoenix, Cannas, Gardenias, Olea Fragrans and Azaleas, write us for prices. * * * * *

P. J. Berckmans Co., AUGUSTA, GA.

Send for our Price List. We have a fine stock, for fall delivery, of

Field Grown Roses, Clematis, 2 yrs. old, strong;
Flowering Shrubs, line assortment,
Ornamental Trees, Conifers.

To avoid disappointment, order now a supply of

ROSE-STOCKS FOR GRAFTING.

(Prices delivered in this country). Rosa Manetti, \$12 per 1000. Rosa Polyantha, \$8 per 1000. Rosa Laxa (Froeheli), \$8.50 per 1000. The stocks most largely used by European growers for grafting tea roses.

Our representative, Mr. J. Austin Shaw, will be at the Convention and will be pleased to quote prices upon any wants in our line.

JACKSON & PERKINS CO., Newark, New York.

FIELD GROWN, OWN ROOT ROSES

ALL the best sorts, tender and hardy. Our solicitor will visit you and make prices, regardless of where you live or quantity you want, if you will drop us a card at once.

The Howland Nursery Co. Los Angeles, Cal.

TREES!

Fruit Trees—standards for orchards; dwarfs for gardens. Small Fruits—all kinds, including grapes. Ornamental Trees, Evergreens and Shrubs—for the embellishment of public and private grounds, of large and small extent, parks, cemeteries, etc. Shade Trees for avenues and streets. Hardy Roses; the finest collection in this country of large two-year-old plants for immediate effect. Hardy Plants, Climbers, etc.

Our new catalogue, carefully revised, beautifully illustrated with half-tone engravings, with cover of exquisite design, contains accurate and trustworthy descriptions of the most valuable varieties in cultivation, and is replete with practical hints indispensable to planters. Although prepared at great expense, it will be sent free to our regular customers; to others, on receipt of ten cents.

ELLWANGER & BARRY, Mt. Hope Nurseries, ROCHESTER, N. Y.

Established 60 Years.

SEND FOR TRADE LIST NOW READY, OF

Tree and Shrub Seeds, Tree Seedlings, Etc.

J. H. H. BOYD, Gage, Sequatchie Co., Tenn.

AUCTION SALE OF TREES!

September 26th, 1900.

ENTIRE STOCK OF TREES

Growing on forty acres, comprising principally rare Evergreen Trees, Shade Trees, and other ornamental stock. Auction Catalogue ready in two weeks.

Chas. B. Hornor & Son

MOUNT HOLLY, N. J.

Waukegan Nurseries.

TREES and ORNAMENTAL SHRUBS.

Evergreens a Specialty.

WHOLESALE AND RETAIL.

R. DOUGLAS' SONS, Waukegan, Ill.

CLEMATIS

Large Flowering In twenty best varieties. \$2 per Doz., \$15 per 100.

PAEONIES

In eight best varieties, market sorts, \$1.50 per Doz., \$10 per 100.

Red Jacket Gooseberries,

Large, deep red, very healthy, strong grower, wonderfully productive, best Gooseberry out; strong young plants 50c per doz., \$3 per 100.

F. A. BALLER, Bloomington, Ill.

WRITE US

For prices on the following Everblooming Roses in 4-in. pots, healthy and well grown. Bride, Bridesmaid, Golden Gate, Kaiserin Augusta, La France, Meteor, Mme. Caroline Testout, Perle des Jardins, Papa Gontier, Safrano, President Carnot, Muriel Graham, Souv. de Wootton, by the hundred.

MAPLE AVE. HOOPES, BRO. & THOMAS, NURSERIES West Chester, Pa.

St. Fiacre Nurseries,

MEIRFLBEKE, GHENT-BELGIUM.

A CARDON de LICHTBUER, ESQ., Mgr.

Special culture, very cheap: Azalea Indica, Mollis, Begonia, Palms, Laurus Nobilis (Bay Tree), Rhododendron, Gloxinia. Exportation.

Large Elms.

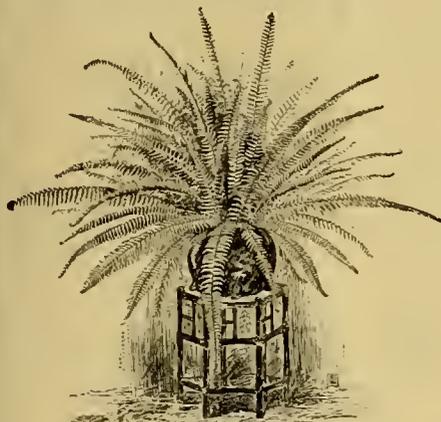
25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

ASSORTED FERNS IN FLATS

Ready for Potting, \$2.00 per Flat. 6 Leading Varieties.

If you are in the market for *FERNS*, this is the most advantageous way to buy stock at little cost. Each flat contains 110 clumps of small plants which can be divided into 3 to 5 plants.



BOSTON FERN.

BOSTON FERNS . . .

Ready for 3 in. pots, \$6.00 per 100; ready for 4 in. pots, \$15.00 per 100; for 5 and 6 in. pots, \$20.00 and \$25.00 per 100. Extra fine plants in 5 and 6 in. pots now ready for a shift into pans or pots, \$35.00 per 100; \$4.50 per doz. This is exceptionally good value.

ASPARGUS PLUMOSUS NANUS . . .

3 in. pots, extra fine, \$8.00 per 100.

ASPARGUS SPRENGERII . . .

3 in. pots, \$6.00 per 100.

KENTIA BELMOREANA AND FORSTERIANA

2½ in. pots, \$10.00 per 100; 4 in. pots, \$40.00 per 100; 6 to 7 in. pots, \$1.50, \$1.75, \$2.00, \$3.00 up to \$5.00 each.

LARGE DECORATIVE PLANTS OF KENTIAS

We have stock of Belmoreana and Forsteriana in large specimens, both in single and made up plants, at \$10.00, \$12.50, \$15.00 and \$25.00 each.

Azaleas

WILL
ARRIVE
SHORTLY

We have inspected our stock grown by the Syndicate of Belgium Growers this summer, and find it is the finest we have ever had.

The varieties are the most popular for American trade and consist of the following:

Prof. Wolters, Bernard Andre Alba, Empress of India, Niobe, Schryveri-



AZALEAS.

ana, Simon Mardner, Vervaneana, Dr. Moore, Van der Cruysen, Empress de Brezil, Deutsche Perle, etc.

PRICES

F. O. B. NEW YORK CITY

	Per doz.	Per 100.
10-12 inches in diam.,	\$ 4.50	\$ 35.00
12-14 " " "	6.00	45.00
14-16 " " "	7.50	55.00
16-18 " " "	12.00	90.00
18-20 " " "	25.00	200.00
20-24 " " "	36.00	300.00

Special Prices on Large Quantities.

Place at once your Fall Import orders for Palms

The Syndicate of Belgium Growers have an especially fine lot of *Kentias*, *Latantias*, *Cocos*, *Araucarias*, *Phoenix*, *Bay Trees*, etc. Ask for our special import prices.

We are Headquarters for Bulbs

Write for our Special Low Price List

Don't Fail to Visit Us While Attending the Convention. We are 20 minutes from *New York City Hall*. Take the Erie R. R., Chambers or 23rd Str. Ferry, or the Electric Cars from Hoboken, which pass our nursery. Christopher or Barclay Str. Ferry.



PALMS.

Bobbink & Atkins

Wholesale Florists and Nurserymen

RUTHERFORD, - NEW JERSEY

Helpful Reminders.

Palms, dracaenas, crotons and pandanus should all be cleaned and shifted by now and should be in a shaded house. The best shading I have ever found is what is known as Aurora C sheeting, tacked up by first putting the tack through a wooden label to prevent the head of the tack tearing through the cotton cloth. The fancy-leaved caladiums should be in the same house and so should the torenias, but without the shading, for summer and fall decorations. Such plants do nicely together during summer. The house should be syringed frequently in the walks during hot weather, but, although it should be well ventilated, avoid strong, continuous draughts.

In a similar house should be the old plants of Begonia incarnata, shifted and ready to make fine specimens for Christmas. Here, also, you should have your plants of Begonia Gloire de Lorraine and your potted cuttings of poinsettias and Euphorbia Jacquiniflora. Space the plants properly and look to the drainage of every pot. Do not allow wilting. You can make larger poinsettia heads, and with less labor, by planting in the open bench but bracts grown in this way require more care to prevent wilting when cut and storekeepers prefer the plants in pots, as they may be kept longer and are frequently sold that way.

You have probably examined the list of geraniums and determined with which to stock up for next spring. It is well to plant your propagating stock inside where it will keep growing continuously while you make cuttings. In making up your list be careful not to discard any variety merely because it is old, but because there is something better.

You should not neglect training a number of plants of Clematis paniculata on strings for cut flower trade in the autumn; they make beautiful strings and pay better than sweet peas; if cut and placed in water over night they handle well.

C. B. W.

PANSIES

THE JENNINGS STRAIN of Show and Fancy Pansies. New Crop Seed Now Ready.

My 1900 strain is of the highest standard and cannot be excelled by any. Finest mixed, 2500 seeds, \$1.00; 1/2-oz., \$2.50; oz., \$5.00. Yellow, white, blue and black, in separate colors. 50c per pkt., post-paid by mail. Small Pansy Plants, 60c per 100 by mail. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies, Lock Box 254, SOUTHPORT, CONN. Please mention the American Florist when writing

SEED PANSIES SEED

ROEMER'S SUPERB PRIZE PANSIES.

Improved strain, new crop ready now, (my own growing). This new mixture is saved from the very finest selected plants from all leading novelties of art colors; without doubt the finest strain in the market today.

Mixed, per packet of 3000 seeds, \$1.00; 1/4 oz., 1.50; 1/2 oz., \$2.50; 1 oz., \$5.00. Cash with order. Plants Ready September 15th.

PETER BROWN, Lancaster, Pa. Grower of Extra Fine Pansies.

One Million Oxalis,

In 4 choice bedding varieties, 50c to \$1.25 per 1000.

While Amaryllis (Ismene Calathina) strong, Gladoli, extra fine Hybrids, Chidzai, Lemoinei and Gandavensis, the finest mixture I have ever seen. Also choice named varieties.

E. Y. TEAS, Green's Fork, Ind.

Please mention the American Florist when writing.

The Ford Oxalis.

This rarest winter blooming bulb of the century, introduced by us in 1896 and known by various fancy names, may be had of Henry A. Dreer, The Storrs & Harrison. Co., The Good & Reese Co., and a few others. No white or lavenders to offer this year. This Oxalis naturally blooms from September to March, hence should be planted very early. Other specialties: Cacti from Pacific Islands and Lower California, Smilax seed, Mina Lobata, Heliotrope, Nasturtium, etc.

The Ford Tropical Nursery,

L. M. FORD, Manager, SAN DIEGO, CAL.

Established the Pioneer Nursery of Northwest in 1850 at St. Paul, Minn.

HEADQUARTERS FOR



JAPANESE FERN BALLS

Many thousands sold last season. Now is the time to place importation orders. Write for special prices for December delivery.

JAMES VICK'S SONS, ROCHESTER, N. Y.

Please mention the American Florist when writing.

PAEONIAS

Our Specialty.

We grow them on a most extensive scale and in great variety. At the Paris Exposition this year we were awarded

First Prize for General Collection, First Prize for Novelties.

A. DESSERT, Horticulturist... CHENONCEAUX, FRANCE.

CATALOGUES AND PRICES CURRENT FREE ON APPLICATION.

Herr's Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment.

Plants only, and ready October 1st to January 1st.

FREE BY MAIL,

75c per 100, 250 for \$1.50; 500 for \$2 50.

By Express at Your Expense \$4 per 1000.

ALBERT M. HERR LANCASTER, PA.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

EDWARD B. JACKSON

Wholesale Florist



HARDY, HERBACEOUS PLANTS ONLY

In any quantity for the least money

STAMFORD, CONN.

UNIQUE COLLECTION OF Border Plants, Bulbs, Etc.

One of the best collections in Europe.

Strong plants. True to name. Moderate prices. Catalogues free

PERRY'S HARDY PLANT FARM, Winchmo Hill, LONDON, N., England.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of Freesias, Harrisii, Callas, Romans, Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address H. H. BERGER & CO., (Est. '78) 47 Barclay St., N.Y.

A good adv. in a good paper will bring good returns.

EXTRAORDINARY TRADE SALE

CLEARY & CO.,

Horticultural Auctioneers,

WILL SELL ON THE PREMISES OF

The Rose Hill Nurseries

NEW ROCHELLE, N. Y.,

AT AUCTION,

By order of Messrs. Siebrecht & Son, Proprietors,

40,000 Palms,

5,000 Stove and Greenhouse Plants,

10,000 Ferns,

and several thousand other valuable decorative plants,

Including a Superb Collection of Commercial Orchids

—ON—

Monday and Tuesday, August 27 and 28,

AT 11 O'CLOCK SHARP EACH DAY.

Stages at New Rochelle Station will meet the trains leaving at 9 and 10 o'clock from Grand Central Depot, 42d Street.

Every member of the S. A. F. who is interested in valuable decorative plants should not fail to avail himself of this rare opportunity.

Lunch will be served in large building adjoining the Greenhouses.

For Catalogue and other information apply to the Auctioneers,

CLEARY & CO. - - 60 Vesey St., N. Y.

Denver.

GOOD SHOW ASSURED FOR NOVEMBER.—WELL KNOWN FIRMS PROMISE EXHIBITS.

At the meeting of the newly formed Florists' Club on August 3 it was shown that there is every assurance of success for the big flower show to be held in the large pavillion at City Park, November 7, 8 and 9. Not only chrysanthemums, but the choicest of other flowers as well, will be there. Among the eastern firms which have already promised exhibits, are Nathan Smith & Son, of Adrian, Mich.; the Chicago Carnation Company, of Joliet, Ill.; E. G. Hill & Co., of Richmond, Ind; Fred. Dorner & Sons Co., of Lafayette, Ind; Dailedouze Bros., of Flatbush, L. I.; C. W. Ward, of Queens, L. I., and J. F. Wilcox, of Council Bluffs, Ia. The Lawson carnation will be shown for the first time in Denver and many other novelties will arouse the local interest.

Baltimore.

SCHEME FOR A BIG, ALL-SUMMER HORTICULTURAL EXHIBITION.—MOSS IS BUILDING.

A number of prominent florists, nurserymen and landscape gardeners of Baltimore are considering the advisability of holding a general horticultural exhibition in this city, to continue from the early part of May until the close of November, 1901. The project is at present in an embryonic stage of development. Theodore Eckhardt is the spokesman for those in the scheme, which contemplates the use of Electric Park.

I. H. Moss is building three houses to cover a total area of 48x202 feet.

MACK.

Good Strong Stock.

	Per 100
5,000 Mixed Geraniums,.....	2 1/4 in. \$ 1.50
2,000 Named Geraniums,.....	2 1/4 " " 2.00
5,000 Chinese Primroses, white, red, pink and blue.....	2 1/4 " " 2.00
2,000 Begonias, mixed.....	2 1/4 " " 1.50
1,000 Red Vernon.....	2 1/4 " " 1.50
1,000 Erfordi.....	2 1/4 " " 1.50
1,000 Asparagus Sprengerii.....	3 " " 6.00
500 Nice Rex Begonias, mixed.....	4 " " 10.00
Calla Bulbs.....	1/2 " " 7.00
Mixed Ferns, strong plants.....	4 " " 10.00
Pansy Seed, Giant and Fancy mixed, per oz.	4.00

The Morris Floral Co., MORRIS, ILL.

Please mention the American Florist when writing.

Asparagus Plumosus Nanus.

TRANSPLANTED seedling plants for July and August delivery, ready for 2 1/4-in. pots, at \$3.00 per 100, \$25.00 per 1000; 500 at thousand rates, (free delivery).

CASH WITH ORDER, PLEASE.

R. ASMUS, New Durham, N. J.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

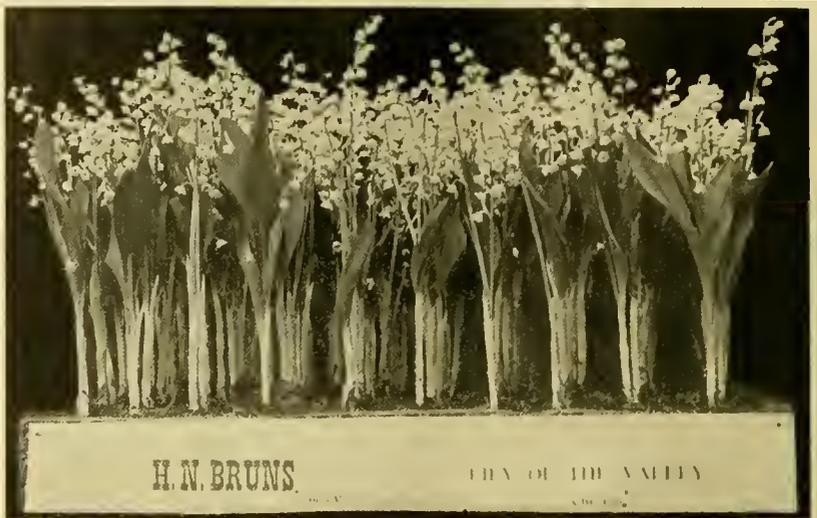
A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Beauties. Sprengerii.

AM. BEAUTY ROSES, good, 3-inch, \$6.00 per 100.

ASPARGUS SPRENGERII, strong plants, ready for 3-inch pots, \$5.00 per 100, \$45.00 per 1000.

Robert F. Tesson, West Forest Park, St. Louis, Mo.



BRUNS' LILY OF THE VALLEY.

New Pips ready in November; stock will be exceptionally fine. Write for prices.

FANCY CUT VALLEY ALWAYS ON HAND.

H. N. BRUNS,

Importer and Grower of HIGH GRADE Lily of the Valley,

690 West Van Buren Street, CHICAGO.

Taplin's Patent Double Action Boiler
Clay and Slack Burning Boiler

SPECIALTIES IN PLANTS.

CYPRIPEDIUM INSIGNE in all sizes.

COELOGYNE CRISTATA in all sizes.

AZALEAS, specimens from four to ten feet high.

ASPARGUS PLUMOSUS, four and five-inch pots.

NERINES and BELLADONNA LILIES, large flowering bulbs.

DOUBLE WHITE PRIMULAS, three and four inch pots, ready in September and October.

S. TAPLIN, Florist and Nurseryman,

.....Fort Street West, DETROIT, MICH.

PRIMROSES.

IMPROVED CHINESE, ready for 3-inch pots. Well known throughout the United States and Canada as the finest large flowering fringed varieties grown. SINGLES, named, \$2.00 per 100, \$17.00 per 1000; DOUBLE, named, \$3.50 per 100. Extras added liberally to help pay expressage. PRIMROSE SEED of best 15 varieties, single and double, mixed, 500 seeds, \$1.00; half pkt., 50c.

GIANT PANSY SEED.

The very best mammoth varieties, no finer ever offered; all the seed plants critically selected. SOW THE BEST. Packet, 3500 seeds, \$1.00; half-pkt., 50c. A packet of the grand new Dwarf Forget-Me-Not "Blue Beauty" added to every seed order. Strictly cash prices.

THE HOME OF PRIMROSES.

JOHN F. RUPP, Shiremanstown, Pa.

Orchids!

Arrived fresh from the woods in fine condition: Lælia anceps, L. autumnalis, L. Crispa, L. flava, L. grandis leuebrosea, L. Perrinii, Oncidium Varicosum Rogersii, Cattleya Percivalliana and C. Mossie.

LAGER & HURRELL, SUMMIT, N. J. Orchid Growers and Importers.

NOVELTIES IN PLANTS

That Can't Be Had Elsewhere.

Such as New Kalanchoe Flammea, New Inearvilleas, New Campanula Mirabilis, New Buddleias, New Deutzias, Mr. Peter Barr's New White Lupin, The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dabilas, New Treasure Vine, New Shamrock Pen. Send for Catalogue of Novelties. Always in quantity—Asparagus Sprengerii, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices.

A. BLANC & CO., Philadelphia, Pa.

CHRYSANTHEMUMS. Nice, thrifty plants for planting, \$2 per 100; 25 at 100 rate. Mme. Bergmann, Golden Hair, Niteous, Mrs. L. C. Madeira, Pres. Smith, Mrs. Jerome Jones, Harry May, Ivory, Pink Ivory, Yellow Fellow, Vivian-Morel, Wanamaker, Harry Hurrell, Yanoma, Glory of the Pacific, W. H. Lincoln, Domination, Evangeline, Helen Bloodgood, Golden Wedding, Mrs. H. Robinson, White Swan, Autumn Glory, Queen, Eugene Dailedouze, Clara Goodman, Lady Fitz, Merry Christmas. Cash with order or satisfactory reference. JOHN J. ARNOLD, Homer, N. Y.

VINCA....
VARIEGATA
FIELD GROWN VINES

For Fall Delivery
Two Sizes.
Prices on Application.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y. Please mention the American Florist when writing.

Delegates to the Convention

who can make it convenient to visit my establishment either before or after the meeting are hereby cordially invited to do so. My collection of palms is as healthy and vigorous as good and careful culture can make them, the Arecas and Kentias being especially fine. There are also many other features that I think will interest members of the craft and make their visit pleasant and profitable.

Take Steam Cars at Reading Terminal Station, 12th and Market Streets, Philadelphia, get ticket for Cheltenham Hills or Jenkintown. Over fifty trains each way daily. Nursery but a few minutes' walk from either station. Cordially yours,

Joseph Beacock

Wholesale Rose and Palm Grower : : : Wyncote, Pa.

BEGONIA LIGHT PINK LORRAINE

There is an honest difference of opinion as to preference in the two shades of pink in the original Lorraine and its Light Pink sport—about equally divided, I believe—the ladies generally favoring the more delicate shade, whereas the sterner sex lean towards the higher color.

But when the two varieties are sufficiently plentiful to be grown side by side in most greenhouse establishments, there can be but one opinion as to which of the two has the better or stronger constitution, and that will be without a doubt **LIGHT PINK LORRAINE**. This is said without a moment's hesitation, based upon my own experience with the two varieties growing side by side here.

Its most important value as a plant for the home, however, is its superior lasting qualities, which the following unsolicited letter from the well-known firm of Pennock Brothers, Philadelphia, fully verifies:

MR. EDWIN LONSDALE.

PHILADELPHIA, December 26, 1899.

DEAR SIR:

We wish to tell you how much we are pleased with the sport from Begonia Gloire de Lorraine having delicate pink flowers which you sold us. It is of value not only for the exquisite color and largeness of its flowers, but what is of even more importance than these qualifications to the retailer is *its lasting qualities*.

In decorating our window last week, two of these plants were put in amongst a number of the original Lorraine, and while the plants of the older Lorraine lost their flowers badly, the sport is today in as good shape as when put in, and in decorating yesterday they were again used.

Our customers seemed to like it also, for they were the first to sell, and had we known these two were in the window, they could have been sold many times over.

Thinking you would be interested in knowing how well it has done with us, we are, Yours very truly,
(Signed), PENNOCK BROTHERS.

STOCK LIMITED. ORDERS WILL BE FILLED IN STRICT ROTATION AS RECEIVED.

Healthy Plants in 2¼ Inch Pots, 50 cents each; \$5.00 per dozen; \$40.00 per hundred.

Money Order Office,
Chestnut Hill, PHILADELPHIA
(Station H.)

EDWIN LONSDALE,

WYNDMOOR P. O.,
Near Philadelphia, Pa.

N. B.—We have not changed our location, but the United States Post-Office authorities have made a change in our Post-Office facilities.

Washington.

TRADE QUIET AND SUPPLY ADEQUATE.—
WHAT THE GROWERS ARE PLANTING.—
ROSES ALL BENCHED.

Trade is very quiet and the supply of stock is equal to all demands. Outdoor flowers are not so plentiful, owing to dry weather.

J. R. Freeman has four houses of roses planted. One is filled with Bridesmaid, about 1700 plants, and the other three are occupied by Beauty, Bride, Golden Gate, Perle and a few Liberty, also a bench of a white sport of Mermet. La France and Kaiserin planted in solid beds for summer blooming are doing very well. Cyclamens are coming on nicely. Carnations are held back somewhat by dry weather.

Clark Brothers have four houses planted with roses, American Beauty, La France, Kaiserin, Brides, Bridesmaid, Carnot, Sunset, Wootton, Duchess of Albany, in all about 9,000 plants. They have also benched about 4,000 chrysanthemums.

Norton Bros., Brightwood, D. C., have built a new house for carnations and violets, 18x96, heated by hot water.

A. Gude & Brother have finished planting their new range of six houses, having benched 20,000 rose plants, including all the usual sorts. P. G.

GENEVA, ILL.—C. J. Reardon, who has been with W. P. Harvey, has gone to Calumet, Mich., to take charge of the new commercial establishment of A. E. Lutey.

SANDY HILL, N. Y.—John L. Watkins & Son have their place of 5,000 feet of glass in first-class condition and are preparing for a heavy fall trade, which they confidently expect.

SANDUSKY, O.—The greenhouse and stock of J. C. Gooding, who recently filed a petition in bankruptcy, have been sold to D. J. Mackey, who will repair the place and put a competent florist in charge.

Boston Ferns.

LARGE STOCK. FINE PLANTS.
Per 100 2½-inch, \$4.00; 4-inch, \$10.00; 6-inch, \$25.00
NEPHROLEPIS CORDATA COMPACTA.
Per 100 2½-inch \$3.00; 4-inch, \$8.00.

H. KADEN, Gainesville, Texas.

100 ASPARAGUS PLUMOSUS

4-inch pots, \$10.00 per hundred.

100 PINK HYDRANGEA OTAKSA,
3-inch pots, \$5.00 per hundred.

C. G. NANZ, Owensboro, Ky.

Now is Your Chance.

MUST BE SOLD FOR WANT OF ROOM.

500 *Asparagus plumosus nanus* roots from bed, extra large, will divide well, @ \$3.00 per doz., as long as they last. Order now.

Bunch and string *Asparagus*, 30c. Cash please.
C. L. MARSHALL, 67 Merrimack St., Lowell, Mass.

Cyclamen Persicum Giganteum

from seed of select plants of my own growing; fine plants in 3½-inch pots ready for a shift, 5 cts. each. Will exchange for a limited quantity of Ferns and Begonias.

W. J. ENGLE, care L. Coy,
Kenia Ave. and Dover St., DAYTON, O.

PALMS===== **FERNS**

Fine Stock,	Prices to Please,	Low Express Rates.			
PALMS...	No. of Leaves.	Inches High	Size of Jar.	Per doz.	Per 100.
<i>Latania Borbonica</i>	4 to 6	15 to 18	6-inch	\$6.50	\$60.00
<i>Kentia Forsteriana</i>	4 to 6	18 to 24	6 "	8.50	70.00
"	3 to 4	18 to 20	5 "	6.00	50.00
"	3 to 4	12 to 18	4 "	4.00	33.00
" <i>Belmoreana</i>	4 to 6	15 to 18	6 "	10.00	90.00
"	5 to 6	12 to 18	5 "	7.50	60.00
"	5 to 6	12 to 15	4 "	4.00	35.00
<i>Areca Lutescens</i>	3 to 5	18 to 24	6 "	5.00	45.00
"	3 to 4	12 to 15	4 "	3.00	28.00
<i>Phoenix Canariensis</i>	4 to 6	12 to 15	5 "	5.00	35.00
"	2 to 4	10 to 12	4 "	2.50	20.00
<i>Pandanus Utilis</i> .....	.....	15 to 18	6 "	6.00	50.00
" .....	.....	10 to 12	3 "	1.50	10.00
<i>Livistona Rotundifolia</i> .....	.....	.....	4 "	3.25	25.00
" .....	.....	.....	5 "	5.00	40.00

FERNS...

<i>Nephrolepis Davallioides Furcans</i>	7 to 8 "	3.00	20.00
"	4 "	1.00	10.00
" <i>Cordata Compacta</i>	3 "	.70	5.00
<i>Adiantum Cuneatum</i>	3 "	.65	5.00

Soliciting a share of your patronage, I am, Yours respectfully,

Rockford Seed Farms,
Forest City Greenhouses.

H. W. BUCKBEE, ROCKFORD, ILL....

Attention S. A. F.

If you want a fine lot of Fancy Leaved Caladiums, Latanias, Phoenix, Cannas, Gardenias, Olea Fragrans and Azaleas, write us for prices.

P. J. BERCKMANS CO., Augusta, Ga.

Sago Palms!

Fine Plants in all sizes. Well grown, and perfect leaves. One of the best summer and fall plants for retailing. They run from five to twelve leaves, in small size pots that can be shifted and save freight

5 to 7 leaves,	\$ 6.00 per dozen.
7 to 9 leaves,	9.00 per dozen.
9 to 12 leaves,	15.00 per dozen.

Can be sent safely by freight. Satisfaction guaranteed.

Cyperus Alternifolius,

3-inch, fine well-grown, \$5 per 100.

Jasmine Grandiflora,

Very fine for cut flowers—always in bloom—4-in. pots, strong plants, \$1.50 per dozen.

Ficus Elastica, fine straight plants, 7-in pots, 3¼ to 4 feet high, \$1.00 each.

Latania Borbonica, 4-in., fine, stock with character leaves, 18-in. high, \$18 per 100, need shifting to 5 or 6-inch.

CASH WITH ORDER, PLEASE.

CRITCHELL'S,

CINCINNATI, O.

BOSTON FERN.

2½-in. pots, \$5.00 per 100; 3-in. \$8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
West Grove, Pa.

Bay Trees

Grand Pyramids,
Dense and Dark Foliage.
Exhibition Plants,
The Finest in Trade.

Height with tub, fifteen feet; diameter at the base, six feet. Solid new tubs, 28x28 inches.

Price per Pair, \$50.

With packing, duty, freight free at New York, Philadelphia, Boston.

Price per Pair, \$80.

To be had twenty-four pairs, all alike.

Also fifty pairs twelve feet high,

\$30 to \$50 per Pair.

Cash or good references with order required.

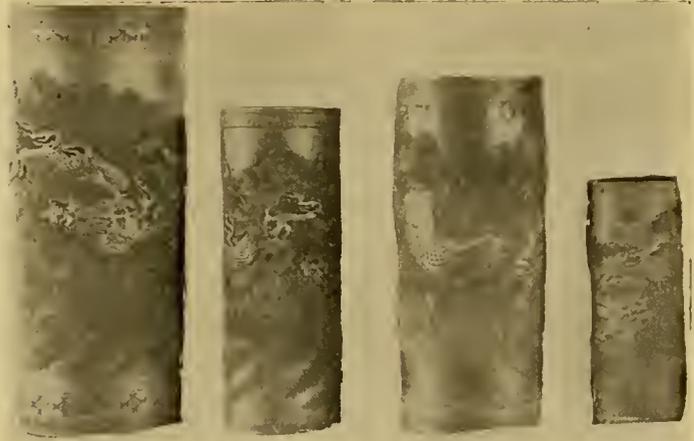
DE SMET FRERES,

The Nurseries,

Ghent, (Belgium).

Make a Note TO Make it Your Business

... to examine the specialties which we shall exhibit at the New York Convention.



TOKINABI VASES

Japanese Vases Of these we are the only large importers for florists' use. They are attractive, very strong and low priced. We have a great variety of sizes and styles. Especially adapted for store use and for cut flower displays in exhibitions.



VIOLET VASES

Metal Designs from Germany. Novel in make-up, and comparing favorably in price with any ever offered in the American market.

A full line of Wheat Sheaves, Cycas Leaves, and general standard goods and novelties in horticultural supplies.

In connection with our display will be a complete exhibit of the specialties made by the *Boston Florists' Letter Co.*

We know we can interest you and we know we can save you money on your supplies.

N. F. McCARTHY & COMPANY

... IMPORTERS AND JOBBERS IN FLORISTS' GOODS ...

84 Hawley Street ——— BOSTON, MASS.

Telephone
HARRISON
... 85 ...



"WE NEVER SLEEP."

The Regan.... Printing House

WORK DELIVERED
WHEN ORDERED. 

DAY and NIGHT
PRESSROOMS...

CAPACITY:
TWENTY TONS OF
PAPER A DAY.
FORMS CALLED FOR
AND DELIVERED.

NURSERY AND SEED
CATALOGUES.....

87-89-91
PLYMOUTH PLACE
CHICAGO.....



Book, Job  News
Printers....



THE BEST.....

EDITION and PAMPHLET
BINDERY    

TO BE FOUND IN THE
UNITED STATES.

“IT WILL TICKLE YOU”



To see the results obtained from our NEW PROCESS
“THE PARAGON PRINTING PLATES.”

CHICAGO ENGRAVING CO.,
Engravers by all Processes,
300 - 306 Dearborn Street, CHICAGO.

The American Florist Company's
TRADE DIRECTORY

IS THE ONLY PUBLICATION WHICH GIVES

Complete lists of the Florists, Nurserymen
and Seedsmen of the United States and
Canada, corrected annually and
arranged both alphabeti-
cally and by states
and towns.

NEW FEATURES

Added in the edition for 1900 are lists of the gardeners or
superintendents of private estates, experiment station
horticulturists, landscape architects and
horticultural supply concerns.

THIS INDISPENSABLE VOLUME OF 387 PAGES, BOUND
IN BOARDS, IS DELIVERED POSTPAID ON RECEIPT OF **\$2.00.**

AMERICAN FLORIST CO.

324 Dearborn Street,

CHICAGO, ILL., U. S. A.

Uninterrupted **S**uccess since **A**ugust 4th 1874.
ED. **J**ANSEN.
 112 to 116 WEST 18th STREET NEW YORK.
 IMPORTER AND MANUFACTURER OF
 LOVELIES IN BASKETS AND FLORISTS' SUPPLIES
 AND
 Medals AND Diplomas PHILADELPHIA 1876.
 Medals AND Diplomas CHICAGO 1893.
 CONTINUAL PRODUCTION OF NEW DESIGNS.
 EXTENSIVE SHOWROOMS.

MAX SCHMIDT.

OPEN HOUSE

On Wednesday Afternoon, August 22

this establishment will be elegantly decorated
 in honor of the visit of the S. A. F. to New
 York, and the *Splendid New Show Rooms*
 will be thrown open for inspection. All are
 invited to come to view the new creations in
 high-class decorative goods and see the remark-
 able progress made in *American Basket Work*.
 There is plenty of room for all who come and

Everybody will be Welcome



ED. JANSEN, 112 to 116 W. 18th St., New York

Buffalo.

ANNUAL OUTING OF THE FLORISTS' CLUB.—ONLY DRAWBACK THE ABSENCE OF CERTAIN FACTIONS.—WINNERS OF THE CONTESTS.

On Wednesday of last week our annual outing was attended by about seventy-five, but the absence of some is unexplained. I think that at least one day in the year should be given over to all as a day together. The games were looked after by E. Bruecker and W. H. Grever. The ball game was the feature, between Scott's employes and the other florists. After an exciting five innings in which many funny things occurred, the game was won by the All Scotts, 15 to 5. The hop, skip and jump was won by D. Scott, W. Grever, second. The 100-yard race was won by W. Grever, S. Reichert, second. The fat men's race was won by Wm. Scott, the married men's race by W. F. Kasting and the three-legged race by Grever and Reichert. Joe Speidel, of Palmer's, won the delivery boys' race. The bicycle race was a good one and was won by E. Bruecker, Grever second. At the end of the contests we repaired to the Bedell House for supper, followed by dancing.

The weather has been very hot for the past week, making it almost impossible for florists to work. Sunday there was a decided change, a fall of at least 20°, but it is now very warm again.

The delegation for New York is making all preparations and a good crowd is sure now. W. A.

MINNEAPOLIS, MINN.—Miss H. B. Whitted has been making some telling improvements in her store at 409 Nicollet avenue, including the addition of a very fine refrigerator.

CELERY AND CABBAGE.

CELERY. Pink Plume and New Rose (extra strong), Giant Pascal, Boston Market, White Plume and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

CABBAGE. H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Drumhead Savoy and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

KALE. Dwarf, Green, Curled, Scotch, same price as Cabbage. If any of the above plants by mail, add 10c per 100.

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

Boston Ferns.

FINE PLANTS

From bench, ready for 6-in. pots, \$3.00 per doz. From 2-in. pots, \$4.00 per 100.

CAREFULLY PACKED. DAVIS BROTHERS, MORRISON, ILL.

1500 N. Cordata Compacta,

In 2-in. Pots, Strong Plants, et \$3.00 per Hundred.

Also Strong Plants from Bench, at \$2.00 per Hundred.

CHAS. SCHWEIGERT, Niles Center, Ill.

ADIANTUM FARLEYENSE

3-in. Pots, Ready for a Shift,

\$20.00 per 100.

WM. W. EDGAR, Waverley, Mass.

BOSTON FERN ...A... SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

WILL YOU ATTEND THE CONVENTION? YES!

Then don't fail to see us! Our MR. P. BERKOWITZ, happy and affable as ever, with his assistants, will be there to wait on you! His maxim: No trouble to show goods; no pain to answer questions.

NEXT, RUN OVER TO PHILADELPHIA; it will pay you to inspect in its Unabridged Magnitude, our Latest Comprehensive Importation and Own Manufacture. Your friend—call him "Old Harry" for short (but don't confound him)—has just returned from his annual buying tour of Europe; he will show you what he acquired for you at the Paris Exhibition and other European centers; it cannot be excelled.

COME OVER! BRING YOUR FRIENDS ALONG! We will take care of you and your comfort. Our hospitalities are at your call, also the facilities of our store and office.

H. BAYERSDORFER & CO., 50-52-54-56 N. 4th St., Philadelphia.

P. S.—Remember NEW YORK—OUR EXHIBIT ONLY. Our STORE and WAREHOUSES are in PHILADELPHIA—The OLDEST, LARGEST and MOST PROGRESSIVE FLORISTS' SUPPLY HOUSE in AMERICA.

DUNNE & CO.

Have something interesting to show to S. A. F. visitors, in the line of Rustic Settees, Fences and General Horticultural Sundries.

This establishment is now the main headquarters in the East for

PURE SHEEP MANURE

And all users of this indispensable Fertilizer are especially invited to call and be shown the difference between this absolutely pure article and much of the stuff usually sold as Sheep Manure. We are in a position to quote lowest figures per pound, per ton, or per car load.

DUNNE & CO.,

54 West 30th St., NEW YORK.

BOSTON FERNS

...A SPECIALTY.

N. EXALTATA BOSTONIENSIS, small plants, \$5.00 per 100 or \$40.00 per thousand; large plants, \$6.00 to \$50.00 per hundred; taken from the bench.

ARAUCARIA EXCELSA, 14 to 16-in. high, 4 to 5 tiers, 6-in. pots, \$1.00 and \$1.25 each; 20 to 24-in. high, 5 to 6 tiers, 6-in. pots, \$1.50 each. Larger size \$2.00 and \$2.50 each.

RUBBER PLANTS, 12 to 15-in. high, \$4.00 per doz.; 20 to 24-in. high, \$6.00 per doz.

WM. A. BOCK, N. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

	Per 100
ASPARAGUS PLUMOSUS NANUS, Fine young plants.....	\$5.00
BEGONIA REX, Strong, 3-inch pot plants, in good assortment.....	6.00
CYPERUS ALTERNIFOLIUS, 2 1/4-inch pots.....	3.00
CYCLAMEN, Dry bulbs, finest strain, mixed.....	6.00
CAREX JAPONICA VARIEGATA, An excellent decorative grass. Extra strong plants from 2 1/2 pots.....	5.00
NEPHROLEPIS CORDIFOLIA, 2 1/2-inch pots.....	3.00
SMILAX, Field-grown, strong clumps.....	3.00
Extra heavy.....	5.00
NATHAN SMITH & SON, Adrian Mich.	

Please mention the American Florist to our advertisers.

THE BOTTOMLESS POT

[PATENTED]

MORE ESPECIALLY FOR

Violet and Carnation Culture

Read Fred Dorner's experience as set forth on page 1553 of the issue of THE AMERICAN FLORIST for July 28, 1900 :: :: :: :: ::

ALSO

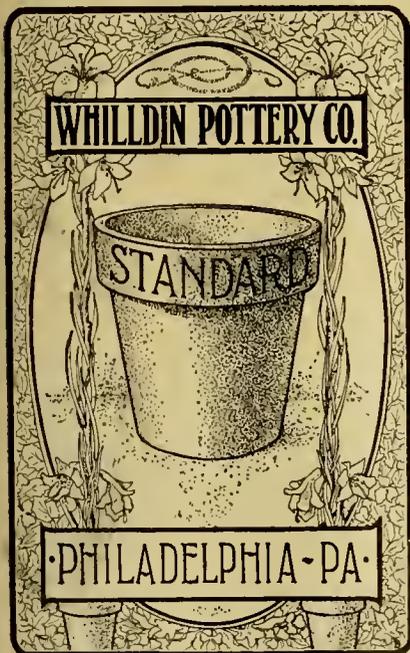
Those Red Pots

"STANDARDS"

AZALEA POTS, FERN POTS, BULB PANS

Detroit Flower Pot Manufactory

ESTABLISHED 1853
HARRY BALSLEY, Traveling Representative 490 Howard St., Detroit, Mich.



BRANCH WAREHOUSES: Jersey City, N. J.
Long Island City, N. Y.

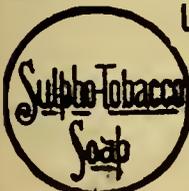
Universal Insecticide

For Flowers, Trees and Animals.

Recommended and in use by the foremost florists and nurserymen in the land.

For Sale at the Seed Stores.

ROSE MFG. CO.
NIAGARA FALLS, N. Y.



Do not hide your light under a bushel. Tell the people what you have for sale.

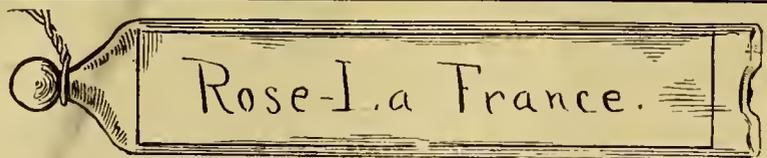
...Without a Doubt...

We have the finest line of Pots, Bulb Pans, Azalea or 3/4 Pots, Jardiniere Pots, Hanging Baskets and Lawn Vases for Florists' use that you have ever seen.

All Florists

Are invited to inspect our exhibit at the S. A. F. Convention and secure samples and prices.

THE IONIA POTTERY CO.,
IONIA, MICH.



"Everlasting Label"

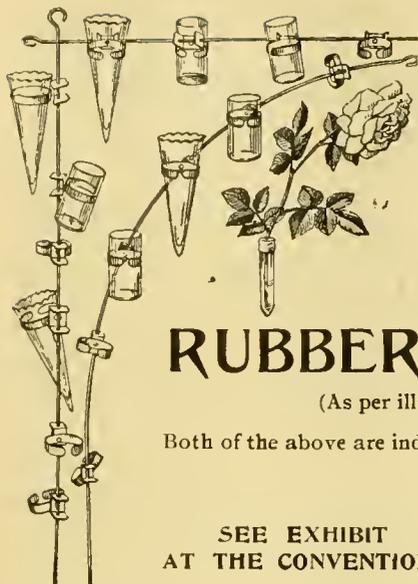
The newest and best glass label holder on the market to label Trees, Rose Bushes, Shrubs, Plants and Flowers; for use in garden and conservatory. Endorsed by Peter Henderson & Co., John Lewis Childs and other leading florists. In use in public parks of Chicago, St. Paul, "White House" Conservatory (Washington) and elsewhere. Write for sample to patentee and manufacturer.

W. W. DODGE, BURLINGTON, IOWA.

PURE RAW BONE MEAL

Put up especially for our trade. For Roses and Carnations nothing equals it. Use it on Chrysanthemums and you will win the prize at your flower show for the best bloom. 10 pounds, 40c; 25 pounds, 75c; 50 pounds, \$1.25; 100 pounds, \$2.00; 1 Bag, 200 pounds, \$3.75.

THE VAIL SEED CO., Indianapolis, Ind.



KIFT'S PATENT

ADJUSTABLE VASE HOLDERS

- No. 1—Brass, nickled, 4 feet long six clasps to each rod.
 Price complete (with green or white tumblers)\$2.25
 Price complete (with green or white cornucopia vases) 2.50
 No. 2—Heavy four foot rod brassed and nickled, with three clasps for 5 to 6-inch pots.....each 1.75

KIFT'S PATENT

RUBBER CAPPED FLOWER TUBES.

(As per illustration), 4 inches long, 1/2-inch diameter,.....per 100, \$3.50.

Both of the above are indispensable to the decorator. In use and highly recommended by the principal retail stores. Send for illustrated circular.

SEE EXHIBIT
 AT THE CONVENTION.

ROBERT KIFT, Florist,

.....1725 Chestnut St., PHILADELPHIA, PA.

A Point Worth Knowing.

At the NEW YORK HOTEL you are but two minutes' walk from the Exhibition Building. Large, light and well-ventilated rooms, one dollar per day and upward. Popular priced Restaurant. Special rates to Florists. Write early for accommodations.

E. H. NIES, Mgr.

THE MURRAY HILL HOTEL

Park Ave., 40th and 41st Sts.,
 NEW YORK.

One block from Grand Central Station.
 Two blocks from the S. A. F. Convention Hall.

AMERICAN AND EUROPEAN PLAN.

Coollest Hotel in the city, at special rates for S. A. F. Members.

Baggage transferred to and from Grand Central Station FREE OF CHARGE.

Die Bindekunst

Einzige Special Zeitschrift der Welt für BLUMENBINDEREI.

Probenummern umsonst.
 Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,
 ERFURT, DEUTSCHLAND.

Celery Plants. STRONG TRANS-PLANTED plants 20c a 100, \$1.50 a 1000; by mail 10 per cent more. W. Plume, G. Pascal, B. Market, Golden S. Blanching and Dwarf Red. Write for price on large lots. Do not confound these plants with cheap ones pulled up where they were sown. Try some of ours and see the difference. Good seedlings, 2-in. high, 25c a 1000. CASH PLEASE. Samples 10c.

R. KILBOURN, Clinton, N. Y.

WE ARE READY

For the coming SEASON with the most COMPLETE and COMPREHENSIVE LINE of FLORISTS' SUPPLIES to be found in America.

Being one of the largest Importers and Manufacturers of Florists' Supplies, we invite every Florist to step in and see our stock, if at all possible, or write to us for our handsome new Illustrated Catalogue, which will be found complete and up to date. A few of our specialties are, Imported Cycas Leaves (dull and glazed), our famous Wheat Sheaves, Immortelles, Cape Flowers (all colors), Novelties in Fancy and Plant Baskets for every occasion; Pot Covers, Pedestals, and everything that is needed by the trade will be found at "Headquarters."

M. RICE & CO.,

918 Filbert Street,
 IMPORTERS AND PHILADELPHIA, PA.
 MANUFACTURERS.

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.
 108 W. 28th St., near 6th Av., NEW YORK.

Imported Prepared

CYCAS LEAVES

LOWEST PRICES.

RECEIVING REGULAR SHIPMENTS.
 Florida Natural Products Co.,
 P. O. Box 273, Indianapolis, Ind.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palm, Potatoes, Tobacco, Small Fruits, Hebe-Rosets, etc. All tin, 50c.; all polished copper, \$1.00. Cash with Order. Weighs about 5 pounds. Buyer pays express. STEVENS & CO., 107 Chambers St., N. Y. City.

John Conley & Son,

Manufacturers of

TIN FOIL

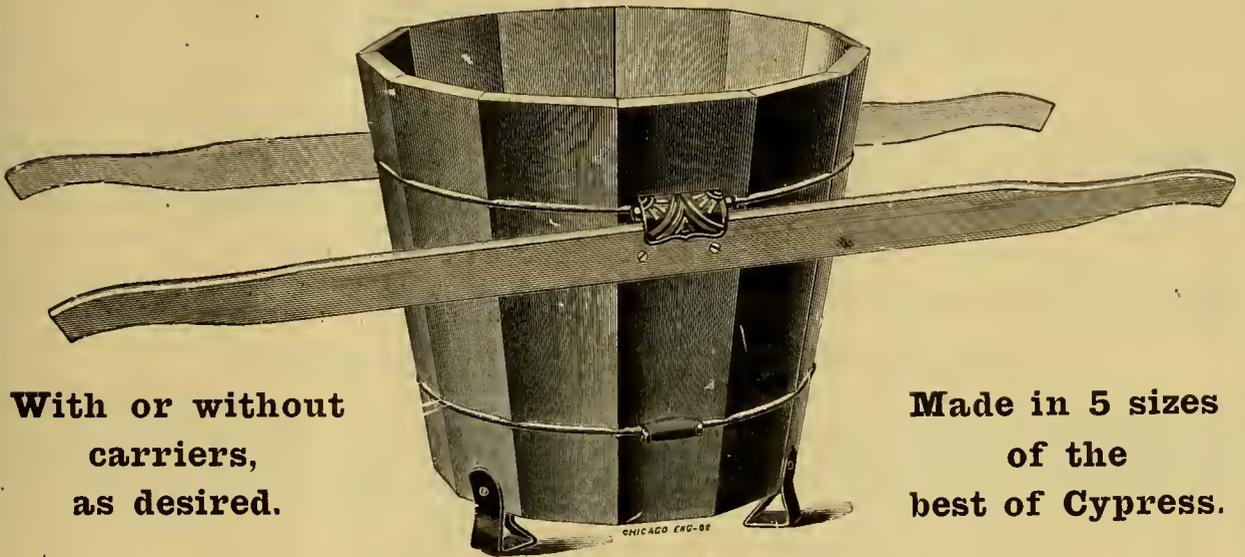
2 AND 4 DOMINICK STREET,
 New York.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in
 Give it a trial. ...The American Florist.

Columbia Tubs

FOR PLANTS AND TREES.



With or without carriers, as desired.

Made in 5 sizes of the best of Cypress.

“THE TUB THAT LASTS FOREVER.”

Every Seedsman and Florist who catalogued these Tubs last season made money on them. They are sellers. Don't forget it

Manufactured By **The Invalid Appliance Co.,** 150-160 Vedder Street, CHICAGO.

SPECIAL Machinery lowers cost. That's where we save. Not on material.

Our factory is equipped with machinery especially adapted to this business.

Special facilities for special work.

These backed by experience and a thorough knowledge of material enable us to give you the very best at a

reasonable price.

We can give you much better value than your local mill.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A., SADDLE RIVER, N. J

SMILAX STRINGING Made Easy by the use of MEYER Green SILKALINE

JUST THE SHADE OF THE FOLIAGE. Samples and prices free.

JOHN C. MEYER & CO., 80-84 Kingston St. BOSTON, MASS. For sale by leading Florists.

A New Catalogue entitled Flowers and Floral Designs.

Twelve pages and handsome cover. Shows forty-one arrangements, with prices. For agents' use, or promoting out-of-town trade. Sample, 40c in Stamps. Circular Free. DAN'L B. LONG, Publisher, BUFFALO.

NO MATTER WHAT KIND OF STOCK YOU MAY GROW

Roses, Carnations, Lilies, 'Mums, Ferns, Palms, or what not

"ROSE LEAF"

EXTRACT OF TOBACCO INSECTICIDE

WILL SAVE YOU MONEY

As compared with other remedies, a practical test will certainly convince you that "Rose Leaf" is the **Best** and

By Far the Cheapest General Insecticide on the market. :: :: :: For sale by all seedsmen. :: :: :: :: For free booklet write to

THE KENTUCKY TOBACCO PRODUCT CO.,

(Successors to Louisville Spirit Cured Tob. Co.)

. . . . Louisville, Ky.

A. HERRMANN,

Manufacturer of

Floral Metal Designs.

Importer of and Dealer in

Florists' Supplies.

404-406-408-410-412 East 34th Street,

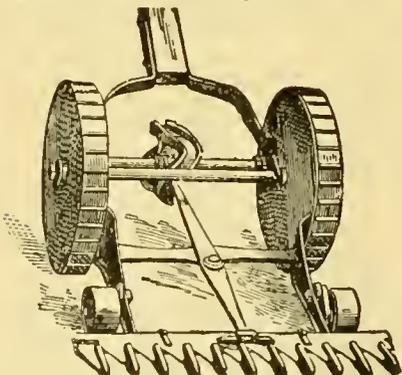
NEW YORK.

Will be pleased to have you call at my establishment, during your presence at the Convention.

WRITE FOR MY NEW CATALOGUE.

THE MOWER

THAT will KILL ALL THE WEEDS IN YOUR LAWNS. If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. **The Clipper will do it.** Send for circulars and prices.

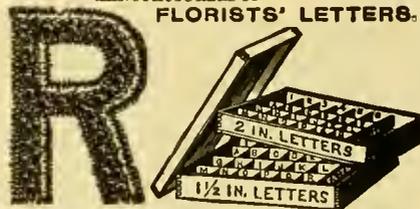


CLIPPER LAWN MOWER CO., Norristown, Pa.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

CHAS. W. JACOB & ALLISON,
IMPORTERS.

66 Pine Street, NEW YORK.
CAPE FLOWERS, RAFFIA, HELLEBORE,
Dalmatian Insect Powder, Etc.

Write us for Samples and Prices.



USE W. C. KRICK'S FLORISTS'

Immortelle Letters, Etc. Medal Awarded at the World's Fair and Highest Award Wherever Exhibited.

These Letters and Designs are made of the best Immortelles, wired on wood or metal frames, having holes drilled in them to insert toothpicks, by which they are fastened in the design. Give them a trial. You will find these goods to be superior to any in the market.

2-inch Letters, \$2.50 per 100.
Postage, 15 cts. per 100.

For other styles of Letters, Emblems and Designs send for catalogue. Before purchasing send for free sample and catalogue, and compare with any other letter on the market.

For sale by all Florists' Supply Dealers.
SAMPLES AT THE CONVENTION.

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.
AMERICAN FLORIST CO., 322 Dearborn St. Chicago



MR. EDITUR:

I rite to tel yo that bi meanz of the new Submarine boat—The Holland—what goes down under the ochen I have been enabled to send a Kargo uv me Greenhouse contrapshins tew a place where they are much needed.

My frend Jules Verne had charge of the cargo and showed Boss chap how tew put the apperatus up AN OLD NICK was so tickled with the wa it worked he sent me this letter uve recommendashun wat u c belo

SHOEL CENTER, Infernal Regions.

My Dear Carmody:

In return for your kindness in sending your appliances I have extended your leave of absence indefinitely. My subjects unite in universal praise of your VENTILATING APPARATUS, in fact when the ventilation is on they hover around your CHAMPION BOILER, and the kids spend most of their time swinging on the gates hung with your EVERLASTING HINGES.

Gratefully your friend,

BEELZEBUB.

To my Floris Frenz—I wil sa dont wate till you go where it is hoter before you uze my fixins but send tew me for a Kata-a-log wat tels u awl about em.

Me name is **J. D. CARMODY**, an I live in **Evansville, Ind.**, close to Posey Kounty.

ESTABLISHED 1859.

THOS. W. WEATHERED'S SONS, Horticultural Architects and Builders

and Manufacturers of Greenhouse Heating and Ventilating Apparatus.

WINNERS OF THE HIGHEST AWARD—At the World's Fair, The Dean Gold Medal; Certificate of Merit, Society American Florists, and the Silver Medal for 1898 of the N. Y. Florists' Club; Madison Square Garden, for the best Amateur Greenhouse. CONSERVATORIES, GREENHOUSES, Etc., erected complete of our patent Iron Frame construction, or of Wood and Iron combined, or Wood alone. Hot Bed Sash, Frames, etc.

The Weathered Conical Boiler, Seven Sizes, THE Weathered Patent Improved Sectional Boiler

FOR WATER OR STEAM HEATING
ABSOLUTELY SECTIONAL IN EVERY PART.

A Few Points Claimed for this Boiler :

- Simplicity of construction.
- Sectional headers.
- Smoke-box on front or back.
- Maximum vertical circulation.
- Sectional ash-pit.
- Rapidity of water circulation.
- Direct or indirect draft.
- Minimum friction.
- Easily cleaned in every part.
- Grates on level with fire-door opening.
- Greatest amount of Boiler surface exposed to radiant heat.
- Heating surfaces so arranged in fire-box that the hot gases must strike every part before entering the combustion chamber.
- Each section is complete in itself, and can, if broken, be replaced very quickly, as it is only necessary to take out the bolts in the flanges, when the damaged section can be taken out and a new one put in. Should it not be convenient to put in a new section the header can be plugged and the broken section left in place until a more convenient time, and this can be done with less trouble and expense than with any other sectional boiler in the market.



1899 MODEL. Sectional View.

We Refer to the following named parties who have lately purchased and are using our Sectional Boiler :

- E. M. Wood & Co., Natick, Mass.
- R. E. Shufelt, Chatham, N. Y.
- Geo. Fick, West Hoboken, N. J.
- David Dean, Astoria, N. Y.
- A. E. Aldrett, Morrison, Ill.
- A. Brunner, Lyons Farms, N. J.
- W. G. Muller, Lyons av., Newark, N. J.
- J. W. Miller, Craighead, Pa.
- H. C. Patthey, Bayshore, N. Y.
- N. Y. Zoological Gardens.
- John Scott, Flatbush, Brooklyn, N. Y.
- Ditzenberger Bros., Bay Ridge, N. Y.
- Geo. Schubert, West Hoboken, N. J.
- Keap St. Greenhouses, Brooklyn, N. Y.

Send four cents for Catalogue, Greenhouse Construction or Greenhouse Heating.

FACTORY, 196 to 240 Orient Ave., Jersey City, N. J. OFFICE, 46 and 48 Marion St. (New Elm St.) New York.

Seattle

STATE OF TRADE AND CONDITION OF STOCK IN THE PACIFIC NORTHWEST. — FIRST THOROUGH TRIAL OF NEW CARNATIONS IN WASHINGTON.

There is very little business being done in the flower trade in this city at present, except an occasional funeral order. There is a scarcity of all kinds of flowers. We are having lots of trouble without worms out here, outside stock, both flowers and vegetables, having been completely stripped of blooms and foliage. Most growers have had lots of trouble with them on the carnations outside and chrysanthemums and other plants in the greenhouse. The retail stores in this city are not kept up to the usual standard found in places of this size throughout the eastern and middle states, very little effort being made to attract custom. There seems to be a great deal of jealousy among the craft here, and some of them claim that eastern methods and cultural hints as laid down by the trade papers will not work here, but we fail to see it that way, for when we get to that state where we can not learn a little from the other fellow it is time to shut up shop. This is the first year that the new kinds of carnations will be given a trial in this part of the country. The only varieties of recent introduction grown before were Flora Hill and probably 100 plants of G. H. Crane.

The Washington Floral Company has nearly 10,000 plants of the newest kinds, including G. H. Crane, Mrs. Bradt, America, Glacier, Peru, The Marquis, Olympia, Mrs. Lawson, Cerise Queen, Genevieve Lord, Ethel Crocker and Gen. Maceo. Most of them are looking well, notably Genevieve Lord, G. H. Crane, Cerise Queen, Glacier and The Marquis. They have just completed a house 30x110 three-quarter-span.

All of the growers around this city plant tomatoes in the houses when the violets and carnations are nearly done in the spring, and reap a good harvest from them during June and July, a great number being shipped to Alaska, mostly in the green state. OLYMPIA.

Glass For Sale

- 100 Boxes 16x24 double strength "A" at \$2.50 per box.
- 150 Boxes 16x24 single strength "A" glass at \$2.00 per box.
- 125 boxes 10x12 double strength "A" at \$1.75 per box.
- 160 boxes 8x10 double strength "A" at \$1.60 per box.

The prices are good as long as the glass lasts. It is all well packed and will be guaranteed to be in good condition. Address

QUEEN CITY WRECKING CO.,
Front and Broadway Sts., CINCINNATI, O.



..PURE..
Sheep Manure.

Dry, pulverized, in ear lots, \$4.00 per ton. Dry, but not pulverized, \$4.00 per ton. In natural or green state, \$1.50 per ton; f. o. b. cars, Kirkland, Ill.

ADDRESS
MONTANA FERTILIZER CO., Elgin, Ill., U. S. A.

Toronto and Return \$12.40.

On account of the Toronto Exposition, the Wabash Road will sell excursion tickets from Chicago, August 25 to 28, at one fare for the round trip as above. Tickets will be good to return leaving Toronto not later than September 10. Fast through service. For further particulars, write F. A. PALMER, A. G. P. A., or call at City Ticket Office, 97 Adams Street, Chicago.

Now Ready for Delivery.

PLANT CULTURE

HITHERTO ADVERTISED AS "COMMERCIAL PLANTS."

By George W. Oliver, Propagator to the U. S. Botanic Garden, Washington, D. C., and late of the Royal Botanic Garden, Edinburgh.

A Working Hand Book of Every-day Practice for the Florist, Gardener and Nurseryman and all those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experiences of the writer. The plants dealt with not only comprise all those which are commonly handled by the trade, but include numerous deserving varieties not so fully known. Chapters are given on

Stove and Greenhouse Plants, Bedding Plants, Vase and Basket Plants, Vines, Hardy and Tender, Bulbous Plants, Ornamental Grasses, Water Plants—Aquatics, Ferns and Lycopods, Hardy Perennial Plants, Hardy Shrubs;

Also a lengthy chapter of General Directions, including Propagation—Seeds, Grafting, Budding, Layering, Hybridization, Potting Plants, Soil, Mulching, and Watering. Concluded by a very complete index to all subjects mentioned. This reliable cultural book has been gotten up for use, not ornament, therefore the price has been fixed at a figure within the reach of all, while it contains more real practical information for those for whom it is intended than is to be found in much more pretentious works costing ten and twenty times as much money. Strongly bound in buckram to stand rough handling and plenty of it.

12 mo., 193 Pages, Price \$1.00, by mail, postpaid.

THE FLORISTS' EXCHANGE, P. O. BOX 1697, NEW YORK.

Steel Wire Plant Stakes.

- 24 inches long, \$ 5.00 per thousand; \$.75 per hundred.
- 36 inches long, 7.00 per " .85 per "
- 48 inches long, 8.50 per " 1.00 per "
- 60 inches long, 10.50 per " 1.25 per "

TERMS CASH WITH ORDER. ADV. WILL NOT APPEAR AGAIN.

H. F. LITTLEFIELD, Worcester, Mass.

"NICOMITE"
(PATENT)
Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
ALL GREENHOUSE BUGS.
SOLD BY SEEDSMEN.
The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

Nikoteen
Aphis Punk
It Burns
The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!
Skabcura Dip Co.
St. Louis—Chicago.

IMP
LIQUID PLANT FOOD
For Greenhouse Cultivating.
EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

"Viola"
LARGEST HORTICULTURAL ADVERTISING PAPER FOR THE SCANDINAVIAN COUNTRIES.
FOREIGN SUBSCRIPTION,
50c PER YEAR.

.....It your.....
Business Methods
are right you can make a profit on an advertisement here.

Write for Sample copies to
SWEDISH GARDENING OFFICES,
6, Regeringsgatan, STOCKHOLM.

Order Your Boiler Now

DO NOT PUT IT OFF ANY LONGER

**READ WHAT SOME WELL-KNOWN
FLORISTS SAY ABOUT THE
KROESCHELL BOILER.**

PURCELLVILLE, VA., December 5, 1899.

KROESCHELL BROS. CO.: I write to state that the No. 12 Boiler we bought of you last summer is taking care of 30,000 feet of glass with great ease. Last night the temperature outside stood at 20° with the wind blowing a gale, but the night fireman maintained an even temperature with but very little draught, and I believe it will give us all the heat we need in the coldest weather. The boiler is all and more than you claim for it and is entirely satisfactory in every respect.

A. B. DAVIS & SON.
W. S. DAVIS, Mgr.

BOWMANVILLE, ILL., April 10, 1900.

KROESCHELL BROS. CO.: The Boiler I bought of you is supplying 11,000 feet of 4-inch pipe and would easily supply 12,000 feet. It heats a section of five houses, or 35,000 feet of glass, 60° or more if needed, and I have found the boiler perfectly satisfactory in every respect.

H. BAUSKE.

MILWAUKEE, Wis., April 11, 1900.

KROESCHELL BROS. CO.: We did not get the No. 6 Boiler we ordered of you; you could not make it on account of the strike in your shop. Am very sorry we did not get it, as yours are the best Boilers made. We have one No. 5, bought almost five years ago, and we heat four houses 12x150 feet with it, or almost 3,200 feet of 4 inch pipe. When we are in need of another Boiler we shall buy yours.

AUG. BURMEISTER CO.

CHICAGO, ILL., April 13, 1900.

KROESCHELL BROS. CO.: I can say that the two No. 12 Boilers we purchased of you last year proved very satisfactory, indeed, heating our Rose Section of 50,000 square feet easily. What would another Boiler cost, only built two feet longer, for delivery this fall? An early reply will oblige.

WEILAND & RISCH.

CHICAGO, ILL., April 14, 1900.

KROESCHELL BROS. CO.: In reply to your inquiry I would say that the last Boiler you sold to us is giving the same uniform satisfaction afforded by the other three, purchased six years ago. Your Boilers seem built for the purpose of causing water to boil, with economy in the use of coal. As our Mr. Louis M. Noe, of Madison, N. J., has this week placed an order for one of your No. 11 Boilers, further comment is unnecessary.

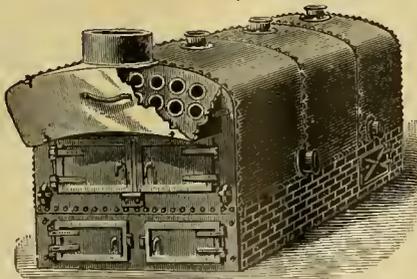
BRANT & NOE.

CHICAGO, ILL., April 13, 1900.

KROESCHELL BROS. CO.: Your Greenhouse Hot Water Boiler No. 3 is beyond question the best boiler made. It is taking care of 2,250 feet of 4-inch pipe with ease and I am going to build this season another house 18x112 which I expect to heat with the same Boiler. There are a number of different kinds of boilers made and we have had some of them in use, but they will not do the work your Boiler does. Should any florists want information as to what your Boilers will do, please send them to me.

FRANK J. FINK.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler,
29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

If you will let us know how much space you want to heat we will give you lowest price on a **GENUINE KROESCHELL BOILER** for your purpose.

Doronicums.

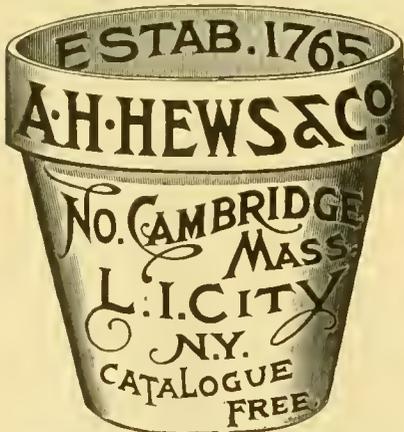
For making a bright display and as cut flowers, these hardy herbaceous perennials take a high place. The several species met with in gardens bear yellow flowers, and the only distinctive characteristics are in the habit of growth and size of flowers. *D. plantagineum* is perhaps the most stately species. *D. plantagineum excelsum* is also excellent, and differs but little from the type, except in growing more robustly. The flower stems of this species attain to a height of four and one-half feet in good soil. *D. Austriacum* is a dwarfer species, rarely exceeding two feet in height; and *D. Caucasicum* belongs to this group. Doronicums may be lifted from the border, potted and forced. The potting may take place late in October or in November, and the plants placed in cold frames until put into the forcing house in January. They must be very gradually forced into growth, or the flowers will lack substance and will not last long after being removed from the plants and placed in water. Good flowers are produced in March, at which season they form a welcome addition to other forced flowers.

Doronicums will thrive in almost any kind of soil; and flowering is long continued if water be afforded plentifully in dry weather. If division of the clumps is practiced annually, the stems are fewer, and the individual blooms larger than when the plants are left in the soil undisturbed for three or four years.—*Gardeners' Chronicle.*

YOUNGSTOWN, O.—E. Hippard will be at the convention next week.

DANVERS, MASS.—E. & C. Woodman are busily engaged in repairing their establishment and bringing the glass strictly up to date.

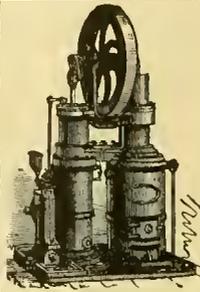
SO. MANCHESTER, CONN.—The annual exhibition of the Connecticut Horticultural Society will be held here on September 11 to 13. Premium lists can be obtained from L. H. Mead, secretary, Hartford.



BEST TREE TUB, made from Louisiana Cypr ss, strong and durable.

SIZE.	TOP.	DEEP.
No. 1.....	13-in.	11-in.
No. 2.....	15 in.	14-in.
No. 3.....	18-in.	16½
No. 4.....	21-in.	18½
No. 5.....	24-in.	21-in.

Union Manufacturing Co., TOLEDO, O.



Water Every Day in the Year for Flowers and Lawns when

RIDER or ERICSSON HOT AIR PUMPS

are used. Nearly 25,000 sold during the past twenty-five years.

Send to nearest office for Catalogue "A 3."

RIDER-ERICSSON ENGINE CO.

29 Cortlandt Street, New York. Teniente-Rey 71. 86 Lake Street, Chicago.
239 Franklin Street, Boston. Havana, Cuba. 40 N. 7th Street, Philadelphia.
892 Craig Street, Montreal, P. Q. 22 A. Pitt Street, Sidney, N. S. W.



GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

LANCASTER, PA., June 17, '99. MR. THERON PARKER, Brooklyn, N. Y.:

Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with grovers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900. Very Respectfully, ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.,

226 North 9th Street, BROOKLYN, N. Y.

THE MODEL ROSE STAKE Looped and Pointed.

THE MODEL PLANT STAKE for Lilies and all Pot Plants.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE. SWANN'S POTTERY MFG CO., P. O. Box 78, Minneapolis, Minn.



GEO. KELLER & SON, MANUFACTURERS OF

Flower Pots.

Before buying write for prices. 361-363 Herndon Street near Wrightwood Ave., CHICAGO, ILL.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the.....

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A." Chitwell Nurseries - Netts, England.

Always mention the.....

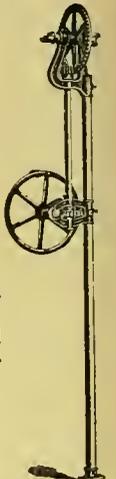
American Florist

when writing advertisers.

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class. Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO., YOUNGSTOWN, O.



STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate	Price per crate
1500 2-in. pots in crate, \$4.85	120	7-in. pots in crate, \$4.20
1500 2½ " " " 5.25	60	" " " 3.00
1000 3 " " " 5.00	48	" " " 3.60
800 3½ " " " 5.80	24	" " " 4.80
500 4 " " " 4.60	24	" " " 4.80
320 5 " " " 4.51	12	" " " 4.80
144 6 " " " 3.16	6	" " " 4.60

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY, OR.... FORT EDWARD, N. Y. AUGUST BOLKER & SONS, New York Agents 52 DEW STREET, NEW YORK CITY

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

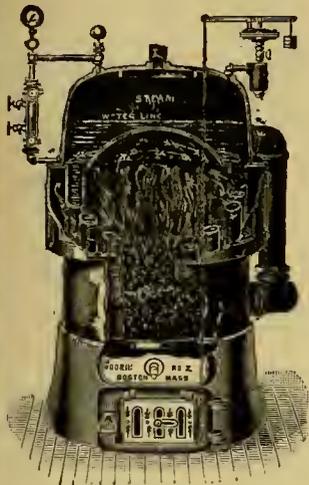
BUGS ON ASTERS KILLED BY USING SLUG SHOT SOLD BY SEEDSMEN

1900



1900

Hot Water Heaters Steam Boilers--Radiators



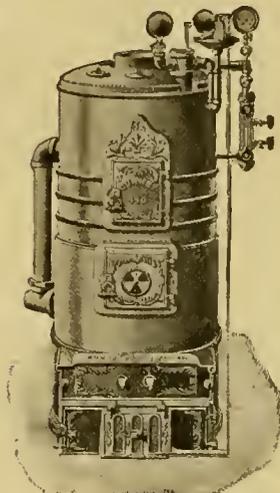
Doric Seamless Tubular Steam Boiler.

SECTIONAL VIEW.



Gurney Bright Idea Hot Water Heater.

SECTIONAL VIEW.



Gurney "400 Series" Steam Boiler.



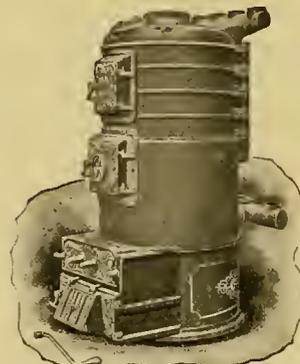
Doric Hot Water Heater.

Their long continued use by the leading Greenhouse men in the country is undeniable evidence of their superiority.

RELIABLE--DURABLE--ECONOMICAL

We manufacture Boilers capable of heating any size Greenhouse

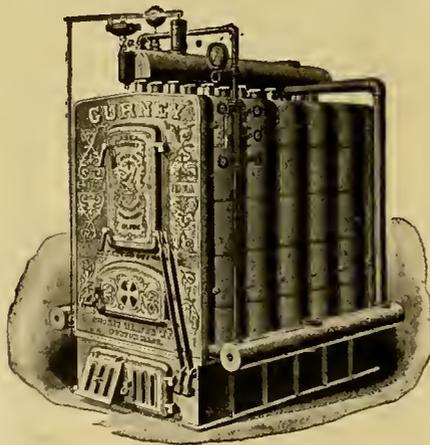
SEND FOR SPECIAL GREENHOUSE PRICE LIST.
.....FREE UPON APPLICATION.



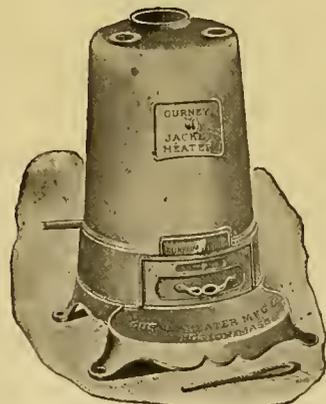
"400 Series" Hot Water Heater



Defiance Hot Water Heater.



Bright Idea Steam Boiler--PERSPECTIVE VIEW.



Jacket Hot Water Heater.

GURNEY HEATER MFG. CO.,

74 Franklin St., cor. Arch, BOSTON, MASS.

NEW YORK BRANCH: 111 Fifth Ave., Cor. 18th St., Constable Building, New York City.
WESTERN SELLING AGENTS: James B. Clow & Sons, 222-224 Lake St., Chicago, Ill.

Northern Seeds.

A fact that has been fully established in recent years is that a species extending over a wide geographical range varies in hardiness. The box elder of the south winter-kills at the north; the red cedar of the south is short-lived and tender at the north; the same is true of the ash, elm and other trees. That prince of tree planters, the late Robert Douglas, proved this fact with various trees, and also that the evergreens from the Pacific slope of the Rocky Mountains were not as hardy as the same species from the east side of the mountains. The proposition has not been fully demonstrated for all species, but there are certainly instances enough to show that it is a general law. In Russia the government observes very carefully this rule in all its extended work of tree planting, as they have found the Scotch pine, Norway spruce and other trees from the moist climate of western Europe short lived and tender on the dry steppes of Russia, while the same species as found in Northern Siberia proved perfectly hardy.—*N. E. Hansen before the American Association of Nurserymen.*

OWOSSO, MICH.—H. B. Deal is building a fine little office structure adjoining his greenhouses on east Comstock street.

NEW BRIGHTON, PA.—T. W. Richards, who has conducted greenhouses here for many years, has closed out his business.

BENTON HARBOR, MICH.—Mrs. Charles Carlson, wife of the proprietor of the Morton Hill Greenhouses, died July 31, after a long illness. She was 61 years of age.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.
HOT-HOUSE GLASS A SPECIALTY.

STEAM COAL
FOR FLORISTS.

CHICAGO, April 7th, 1900.

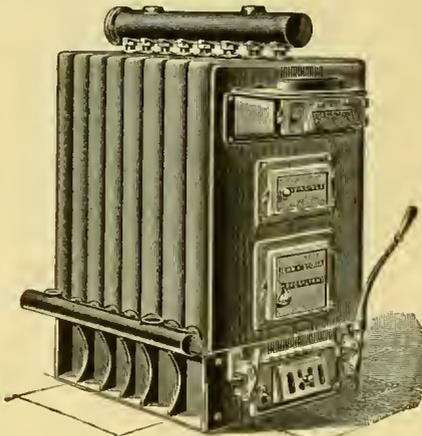
HULL & COMPANY, 74 and 75 Traders' Building, Chicago, Ill.,

GENTLEMEN:—In reference to my opinion of your THACKER SPLINT COAL, will say I am very well pleased with it and think it is superior to any Coal of the splint grades we have yet used. Burns free, making an intense heat with very few ashes; no clinkers, and has the lasting quality of all high-grade Coal. I certainly consider it a very economical Coal to burn.

Yours very truly, J. A. BUDLONG, Wholesale Florist.

Write us for price on single carload orders or season contract, delivered at any point in the United States. Phone Har. 960.

HULL & COMPANY, 74 & 75 TRADERS BUILDING,
CHICAGO.



"INVINCIBLE."

Please mention the American Florist when writing.

...THE...
SCOLLAY BOILER

FOR
Greenhouse Heating, Etc.

HOT WATER OR STEAM.

FARMINGTON, CONN., March 9, 1896.
"The Invincible Boiler you placed in my Carnation houses has given great satisfaction. I did not have to run the boiler hard even when the thermometer stood 18° below zero. It has proved 'Invincible' in every respect."

HUGH CHESNEY, Florist.

SEND STAMP FOR CATALOGUE AND PRICE LIST.
Estimates Cheerfully Given.

JOHN A. SCOLLAY,
74 and 76 Myrtle Ave., Brooklyn, N. Y.

H. M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

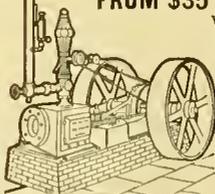
GREENHOUSE GLASS
OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.
ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

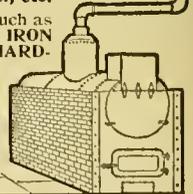
MACHINERY and SUPPLIES at BARGAIN PRICES

We have the largest machinery depot on earth. We secure our machinery from the various buildings and plants that we are constantly buying. We purchased The World's Fair, The Omaha Exposition, The Chicago Post-Office and numerous other noted structures. Our facilities for rebuilding machinery are unsurpassed. We cover all our sales with binding guarantees. **BOILERS FROM \$25 UP, ENGINES FROM \$35 UP. STEAM PUMPS FROM \$15 UP - etc., etc.**



We also carry a complete stock of general supplies, such as BELTING, SHAFTING, HANGERS, PULLEYS, IRON PIPE, VALVES and FITTINGS, IRON ROOFING, HARDWARE, PLUMBING MATERIAL, etc. Cut this ad. out and we will send you Free our 250 page Catalogue No. 47. We are constantly buying entire stocks at Sheriffs and Receivers Sales.

CHICAGO HOUSE WRECKING CO.
West 35th and Iron Streets, CHICAGO.



PROFIT IS CERTAIN...

In the prudent and thorough heating of a greenhouse as much as in large sales of stock. If a florist is burdened by an unnecessary annual tax of from

\$50 TO \$100

For fuel and extra labor he must work much harder in order to make up this unnecessary tax out of the profits of his business. We know from our past experience that there is no unnecessary tax for fuel and labor when our boilers are used, because they are made after careful examination of the reasons why other boilers have failed and their construction avoids the defects shown. No one has bought

OUR BOILERS

That ever regretted it and thousands have bought and look back at the cost as the best investment they ever made.

SEE WHAT

This florist says:

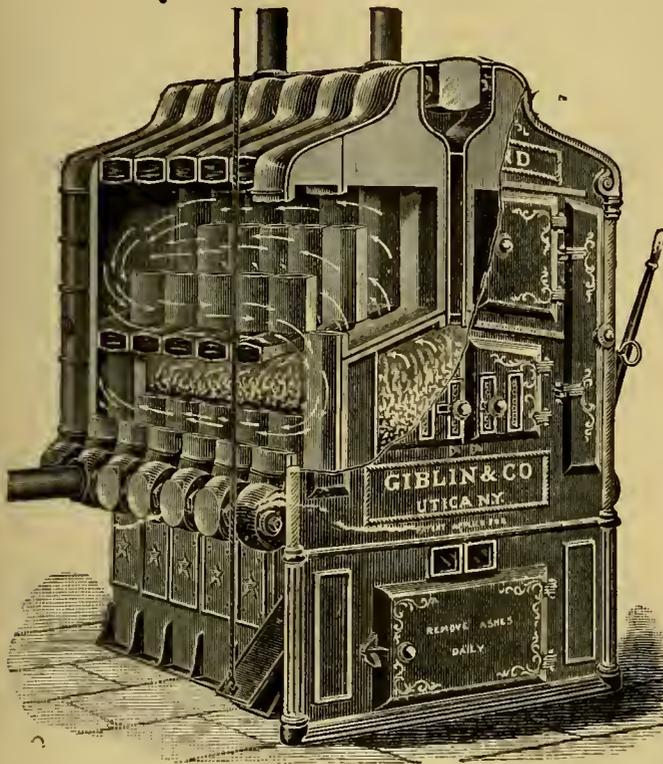
C. HUMFELD, Clay Center, Kansas, July 19th, 1900. I purchased a No. 70 Standard Sectional Hot Water Boiler from you in August, 1898, and I do not remember that I ever wrote you anything about it. In corresponding with me you told me that other parties that had purchased your boilers in some cases paid \$50.00 more for your boiler than they could have gotten other boilers of same capacity. I wish to say that I am one of them, as I paid \$50.00 more for your boiler than I would have had to pay for another make. I am not sorry for it as I now see the difference in price is more than made up by the difference in value. I can speak from experience, as I have two other good sectional boilers, but yours is a terror. I have 2000 feet of two-inch pipe, 1240 square feet of radiation hung to the 70 boiler and I have my expansion tank about forty feet away from the boiler and still it gets so hot that it wants much more radiation, so I am going to have it heat another house 20x100, or 1600 feet of 1 1/4-inch pipe, or 688 feet of radiation, so that the total radiation will be 1928 square feet, but I think the boiler can heat it easily. I know I have never crowded it and if we would it would throw all the water out of the line of pipes. That boiler is all right and anybody that wants to know about it, refer them to me.

OUR GREENHOUSE CATALOGUE

Is free, and we are in business to give information about our boilers and heating greenhouses, and solicit correspondence.

WE CAN MAKE

Prices delivered at any station, so that a florist knows exactly what the cost will be of a boiler delivered.



GIBLIN & CO., Utica, N. Y.

Mention American Florist.

We are Supplying

MATERIAL for extensions for some of the best-known growers in the country, men who would not have "cheap" lumber, whose first requirement is quality.

Let us give an estimate on your contemplated houses; the figures will be so low they'll surprise you. Then we'll tell you where you can see samples of our work; it will be so good it will please you.

A. DIETSCH & CO.,

615-621 Sheffield Ave., CHICAGO.

California Red Cedar and Louisiana Cypress.



**EVANS' IMPROVED
CHALLENGE
VENTILATING
APPARATUS**
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
RICHMOND, IND.

Here's A Snap!
In a lot of galvanized Rose Stakes. Save money by writing
McLENEGAN BROS., Reading, Pa.



Jennings Bros., GREENHOUSE DESIGNERS... & BUILDERS.

Mfrs of and dealers in Greenhouse Specialties,

Patent Iron Bench Frame Fittings,
Improved Cast iron Gutters and Plates.

Send for Catalogue Jennings Bros., Olney, Philadelphia, Pa.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

Index to Advertisers.

Advertising Rates..... 65
 Allen J H..... 73
 American Rose Co..... 70
 Amling Albert F..... 90
 Amlik E C..... 75
 Arnold John J..... 100
 Assmus R..... 110
 Baller F A..... 70
 Banner J L W & Co..... 70
 Barnard W W & Co..... 1
 Barrow J G..... 70
 Bear S Alfred..... 1
 Baesett & Washburn..... 70
 Bayersdorfer H & Co..... 108
 Benthey & Co..... 108
 Berkman F J Co..... 96
 Berger H H & Co..... 98
 Berning H G..... 72
 Bindekast De..... 110
 Bano A & Co..... 109
 Bobbink & Atkins..... 97
 Beck Wm A..... 112
 Boston Light Co..... 112
 Brand J H & Co..... 96
 Bryant & Nee..... 92
 Brill Francis..... 11
 Brown Peter..... 98
 Brown & Canfield..... 62
 Bruns H W..... 100
 Buckeye H W..... 100
 Bndong J A..... 71
 Bunyard H A..... 70
 Burpee W Atlee & Co..... 71
 Caldwell the Woodsman Co..... 70
 California Nursery Co..... 70
 Carmody J D..... 113
 Chadwick Chas..... 90
 Chicago Carnation Co..... 91
 Chicago Engraving Co..... 105
 Chicago House Wrecking Co..... 118
 Christy Wilbur A..... 74
 Cincinnati Cut Flo Co..... 72
 Clark Wm A & Son..... 110
 Cleary & Co..... 99
 Clipper Lawn Mower Co..... 112
 Cohen J M..... 72
 Colles W W..... 92
 Conrad & Jones Co..... 112
 Conley John & Son..... 110
 Cottage Gardens..... 94
 Coventry M J..... 8
 Crabb & Hunter..... 91
 Craig Robt & Son..... 92
 Critchell's..... 112
 Croom John F & Bro..... 74
 Crouch Mrs J W..... 92
 Crowl Fern Co..... 70
 Cunningham Joe H..... 91
 Cunningham D O..... 91
 Glass Co..... 118
 Davis Bros..... 108
 Deamond J B..... 71
 Detroit Flor Pot Wks..... 109
 De Lichtbuer A Cardon..... 96
 De Smet Freres..... 102
 Desert A..... 70
 Dexter Lillian Alb..... 70
 Dickinson Co Albert..... 11
 Dietch A & Co..... 119
 Dillon J L..... 92
 Dodge W W..... 109
 Dornier Fred & Sons Co..... 9
 Douglas' Sons It..... 96
 Droeber H A..... 84
 Dunne & Co..... 108
 Eastern Chemical Co..... 114
 Edgar W W..... 105
 Eichholz Conrad..... 92
 Eichholz Henry..... 84
 Ellwanger & Barry..... 92
 Erie W J..... 112
 Ernest W H..... 116
 Farmers and Planters Co..... 71
 Ferguson John B..... 72
 Finley Lawn Rake Co..... 119
 Florida Nat Prod Co..... 119
 Floral Exchange..... 99
 Florists Exchange..... 114
 Ford Bros..... 73
 Ford L M..... 98
 Foster Lucius H..... 108
 Fox & Fox..... 120
 Frenette Carl..... 84
 Gardeners Chronicle..... 88
 Gardening Co The..... 81
 Garland Geo M..... 111
 Geller Sigmund..... 110
 Ghormley Wm..... 73
 Gibbons H W..... 119
 Gblin & Co..... 119
 Gorton & Lidgerwood..... 119

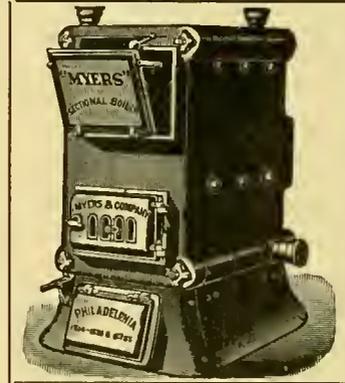
Murray Hill Hotel..... 110
 Myers & Co..... 120
 Nanz C G..... 102
 Nanz & Neuner..... 92
 New York Hotel..... 110
 Nlesaan Leo..... 72
 Noenne & Hoepker..... 11
 N Y Cut Flowers ex..... 73
 N Y Cut Flower Co..... 73
 Pennoek Sam'l B..... 72
 Perry's Hardy Plant Farm..... 98
 Pierce F O Co..... 119
 Pittsburg Cnt Flo Co..... 70
 Poliworts C C Co..... 70
 Prince A G & Co..... 71
 Onaker City M'n Wks..... 118
 Queen City Wrecking Co..... 114
 Randall A L..... 71
 Randall J I..... 73
 Reed Glass & Paint Co..... 120
 Regan Printing House..... 104
 Reibner Geo..... 71
 Reibner Peter..... 71
 Retzer Walter & Co..... 85
 Rice M & Co..... 110
 Rider-Ericson Eng Co..... 116
 Rodgers Alex..... 11
 Roemer Fred..... 93
 Rolker A & Sons..... 11
 Rose Mfg Co..... 109
 Rnpp John F..... 110
 Sander & Co..... 110
 Schillo Adam..... 119
 Schmidt J C..... 90
 Schwelger Chas..... 101
 Scolley John A..... 118
 Sheridan W F..... 73
 Siebrecht & Son..... 87
 Situations & Wants..... 63
 Skabura Dip Co..... 114
 Smely John..... 92
 Smith H J..... 92
 Smith Nath & Son..... 84
 Smurthwalte Pro Co..... 11
 Soltan C..... 80
 South Side Floral Co..... 88

Stahl Chas R..... 72
 Stearns Lumber Co..... 120
 Stevens & Co..... 110
 Stevens Geo..... 110
 3d Special cover
 Stoothoff H A & Co..... 11
 Storrs & Harrison Co..... 74
 Stryer J J..... 74
 Sutherland Geo A..... 72
 Swahn Pottery Mfg Co..... 116
 Taplin S..... 100
 Teas E Y..... 98
 Tesson Robt F..... 100
 Thorburn J M & Co..... 74
 Tobacco Warehousing and Trading Co..... 114
 Traudly & Scheenk..... 73
 Union Mfg Co..... 116
 Van Seed Co..... 109
 Van Wert Greenh'ea..... 92
 Vaughan's Seed Store..... 74
 Vick's Seed Co..... 74
 Vincent & Son..... 118
 Vredenburg & Co..... 92
 Wabash R R..... 114
 Watson G C..... 11
 Watson W H..... 90
 Weathered's Sons..... 11
 Thos W..... 113
 Weber H & Sons..... 80
 Weeber & Don..... 11
 Welland & Risch..... 71
 Welch Bros..... 119
 Whildin Pot Co..... 103
 Wiator Bros..... 71
 Wittbold The Geo Co..... 86
 Wood Bros..... 84
 Woodroffe & Bernhelmer..... 72
 Wrede H..... 80
 Yates J W..... 86
 Young John..... 73
 Young & Nreent..... 73
 Young Thos Jr..... 73
 Zirnglebel D..... 81

CYPRESS
 IS MUCH MORE DURABLE THAN PINE.
CYPRESS SASH BARS
 UP TO 32 FEET IN LENGTH OR LONGER.
GREENHOUSE
 AND OTHER BUILDING MATERIAL.
 Send for our Illustrated Book
 "CYPRESS LUMBER AND ITS USES."
 Send for our Special Greenhouse Circular.
THE A. T. STEARNS LUMBER CO.,
 NEPONSETT, BOSTON, MASS.

INCORPORATED
FOX & FOX COMPANY
 BROKERS IN
GREENHOUSE GLASS,
CHICAGO.
 It will pay you to get our prices.
 INDEPENDENT OF ALL TRUSTS.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hooped Sashes and Mats, Paints, Oils, etc. **THE REED GLASS & PAINT CO.,** 456 W. Broadway, NEW YORK.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.



Exclusively
A GREENHOUSE HEATER!
 SPECIALLY ADAPTED FOR THE WORK.
 EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.
 Send for Catalogue and latest prices.
MYERS & CO.,
 1514-1520 So. 9th St., - PHILADELPHIA, PA.
 (ESTABLISHED 1849.)

DONT PAINT
 until you have seen our sample cards. They will help you. Drop us a postal and we'll mail them to you. **JOHN LUCAS & CO.,** Philadelphia, New York and Chicago.

Holds Glass Firmly
 See the Point of The Van Key Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.
HENRY A. DREER,
 714 Chestnut St., Phila., Pa.

Finley Rotary Lawn Rake.
 Something New.
 THIS IS A CUT SHOWING THE **FINLEY LAWN RAKE** IN OPERATION
 The mower and reaper succeeded the scythe; the thrasher succeeded the flail—but never until now has a machine been invented to take the place of the antiquated hand rake. This machine has arrived. This is it. YOU NEED IT.
 "PAPA! WE CAN RAKE YOUR LAWN."
A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves and small loose litter of any kind, stones included, that a HAND rake would not touch. A man can rake three times as fast as with a hand rake. **A CHILD** can run it. Just the thing to fight crab grass.
 It will save its cost in 60 days on any good lawn.
 Send for Particulars.
FINLEY LAWN RAKE CO.,
PRICE \$12.00. JOLIET, ILLINOIS.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI

CHICAGO AND NEW YORK. AUGUST 25, 1900.

No. 638.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; W. M. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HEAR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

The New York convention.....	121
—President Wood's address.....	122
—President-elect Patrick O'Mara (portrait).....	123
—Judges of the trade exhibits.....	124
—Report of the secretary.....	124
—Vice-president-elect William F. Kasting (portrait).....	124
—Report of the treasurer.....	125
—Reports of committees.....	125
—Florists' Hall Association.....	125
—The president's reception.....	125
—Wednesday's proceedings.....	125
—The Chrysanthemum Society of America.....	125
—The American Carnation Society.....	126
—Wednesday evening's programme.....	126
—Thursday's proceedings.....	126
—The horticultural exhibition.....	126
—The trade exhibit.....	126
Hand bouquet of orchids (illus.).....	127
Between the acts.....	128
What I think I know about greenhouse construction (illus.).....	128
Funeral design (illus.).....	131
Gerbera Jamesonii (illus.).....	133
The rose.....	133
With the growers—Chicago Carnation Co., Joliet, Ill., (illus.).....	135
O! Willis N.....	136
Chicago.....	136
Making a start at growing.....	137
The seed trade.....	142
The nursery trade.....	144
—Orlando Harrison (portrait).....	144
Our pastimes—The gunners' contest.....	146
—The chief of the bowlers (portrait).....	146
—The bowling contest at New York.....	146

THE NEW YORK CONVENTION.

The sixteenth annual convention of the Society of American Florists has passed into history vastly to the credit of the New York Florists' Club, without doubt far eclipsing the successes which have attended its predecessors. Not only was the attendance larger than heretofore but the interest was keen from start to finish. There presentation included the whole country, several of the most distant states sending leading men of the trade, and the arrangements for entertainment were faultless. The committee of the local club has labored long and painstakingly that the machinery of the great meeting should move without a jar and the testimony of the visitors is unanimous in approval of their work. It should be ample reward.

The trade and horticultural exhibitions were particularly valuable, being remarkable for their completeness and the superb quality of much of the stock shown. Those who sought pecuniary reward in nearly every case found it in the considerable amount of business transacted in the exhibition hall and in the acquaintances formed, which will surely result in commercial transactions in the future.

Grand Central Palace proved to be perfectly adapted to the requirements of the occasion and left little to be desired in the way of a meeting place. The sessions of the society and the exhibitions were accommodated all upon the ground floor and the arrangement afforded the committee on decoration an opportunity to display their skill, of which they took complete advantage.

President Patrick O'Mara, of the New York Florists' Club, inaugurated the convention at 9:30 a. m., Tuesday, August 21, by cordially greeting the visiting delegates and assuring them of a fulfilment of the promises of hospitable and kindly treatment on the part of the New York brethren.

An address of welcome was then delivered by the Acting Mayor of the city, Hon. Randolph B. Guggenheimer. He spoke of the florists' association as one the growth and prosperity of which had always been closely identified with that of the Empire state, and of the fact that eleven years had elapsed since its last annual meeting in the metropolis, when it

exhibited the perfection of horticulture and of nature's wonderland of flowers. He said the length of this interval was the only ground of complaint against the association, and he trusted that the interval of absence following the present meeting would be materially less.

After referring to the pride of New Yorkers in the marvelous growth and prosperity of the city, to-day the gateway to the wealthiest, because the most productive, country in the world, and a city which, in a few years, will be the greatest upon earth in wealth, area and population, he continued:

"That is our manifest destiny. We face the rising sun of promise and prosperity and turn our backs upon nothing American. But our great houses of trade, our public buildings and splendid residences, in fact every home in our enlarged city, would be sordid and unlovely but for the touch of the landscape gardener in unexpected places and the unpainted loveliness of God's flowers—the sweetest things that breath on earth and which have no souls to recognize their shy but imperial beauty. Ladies and gentlemen, such art as yours is universal. It is like the air or the sunshine; it cannot be confined to the gardens and conservatories of the rich. It glorifies our public parks with such natural loveliness that the little children from the tenements, who play there in the sunshine, learn imperishable lessons of form and color from the exquisite growths of nature that exult everywhere in their spring and summer pride. It beautifies the windows and rooms of all who love the odorous handiwork of nature, and transforms many a poorly furnished home into a place of delight. Therefore I welcome you to this city because the art which you represent appeals to the heart and imagination of every man, woman and child in this community."

Edgar Sanders, of Chicago, responded on behalf of the society. He expressed appreciation of the generous reception of the visitors and of the magnificent trade exhibit in the adjoining hall.

Edmund M. Wood, of Natick, Mass., president of the S. A. F., upon taking the chair, delivered a formal address.

President Wood's Address.

After one of those tactful and graceful oratorical preludes for which he is so well known, President Wood addressed himself directly to the greatest needs of the society, speaking in part as follows:

This society has contributed much to educate the florist to more comprehensive ideas and methods, a forerunner of commercial integrity and honor. It has raised the industry from a plodding, grovelling one, to the dignity of an art and to the equal of any commercial or manufacturing interest. It will compare favorably with mercantile or banking establishments, requiring the highest skill, executive ability and knowledge of the government of men. The florist, the horticulturist of to-day, is a man who by nature is a restless, changeful being. Were this otherwise, there would be no advance in floriculture or horticulture. He is tired of much of the old and is fond of the new things, new methods with brilliant effects—consequently he wants immediate results. We can safely prophesy that, as time goes on, he will become more and more of an interrogator and do more and more of his own thinking.

How little people think! This was expressed by a prominent gentleman at a public dinner in this city, when he exclaimed: "There are not 200 people in New York city who think." This, however, is a pessimistic view. We come here, many of us or all of us, thoughtless of what we can best do to promote the welfare of the society. We come for a good time. Now, I do not object to a good time myself, and I infer from your iridescent faces that you do not. Perhaps we are not unlike the two boys who were saying their prayers together. One started to say the Lord's Prayer and when he said: "Give us this day our daily bread," the other nudged him and whispered: "We've had bread long enough—ask Him for pie."

The age is intense; it is active in all pursuits; its people are more sensitive and independent in thought, and it appears to me that some method must be devised to prevent the society from disintegrating into different organizations through devotees and lovers of special flowers by such action as shall provide all that they hope to receive from outside organizations. Unless this is done, it is not unlikely that we may address ourselves to diminished audiences, if not diminished members of the society.

What are the causes and what are the remedies? First, the society is not strong enough financially. This is the most serious cause. It can do little or nothing for its members to carry out their wishes, either by money or by exhibits or by premiums. It would be far better for the Society of American Florists, if the devoted followers of special flowers contributed such sums of money as they now contribute or deem necessary for special exhibits, to a general fund to be under the auspices and direction of this society. These could be known by such names as the Chrysanthemum fund, the Carnation fund or such fund as any particular contributor or contributors may designate for their special flower.

Every enthusiast in his love for a special flower, wants a special organization. These societies never would have been organized but for the necessity of having means to develop, improve and advance the claims of their favorite flower. It seems to have been thought a

necessity, if these flowers were to be improved, at the present time. I have the honor to be a life member of one of these societies, the American Rose Society, for my heart is in the rose. Yet I do not approve of these special societies if it be possible to care for them in this organization.

The instinctive and universal taste of mankind selects flowers for the expression of its finest sympathies and the universal heart of man blesses flowers. How much more is this sentiment developed in his favorite flower, the love for which burns with increasing brilliancy and strength. How difficult to hold in check the outside action which he takes to advance and improve its beauty and its variety, when the parent society is powerless to assist.

How sad the spectacle which many of you witnessed of the hold enthusiast for his favorite flower, the rose, taking possession of this society's meeting at Detroit and appealing to its members to become subscribers for life membership, when the Society of American Florists was in need of funds itself. Not the faintest effort was made to obtain subscribers for this society at that meeting, and yet it is hard to blame the enthusiasts of rose culture. The remedy for it is to put money in thy purse and expend it freely for the general good.

There are other remedies. First, by organizing the society into an association, national, if possible, otherwise under state laws with power to hold property. Second, encourage auxiliary societies in every city and large town in the country, which shall obtain their charters from the parent society and for which they shall pay a certain sum per capita, at the time of organization and annually thereafter according to the numbers and strength of the society. By this plan the society will be continually growing financially stronger and in time will be able to co-operate with the auxiliary society. It would be advisable to have a committee to investigate this proposition and report at the next annual convention. Third, by organizing the co-operative department of purchase and distribution into a corporation, which takes nothing from you but gives you money for good fellowship. What then is, or ought to be our purpose? To co-operate in anything connected with our profession that benefits the greatest number. To co-operate for the diffusion of knowledge of floriculture and horticulture and the happiness of our members, and for the benefit and happiness of mankind. But if we cast a retrospective glance, do we not see that most that has been done has been largely for self-interest.

Has the purpose been broad enough, and if so, have we performed the duties which that purpose imposes? Of the great number of florists and horticulturists and those intimately connected with us by trade, have we as members more than a small percentage? If our society were sufficiently attractive and beneficial, as it ought to be, we should have thousands join our standard, instead of hundreds. Our membership should be more active, more energetic, take greater interest in the society and band together for the common good.

Our exchequer appears to have had hard sledding, uphill and on bare ground at that. Some process should be devised by those who have the welfare of the society at heart and who feel the responsibility which it carries with it, by which money shall flow continuously into our

treasury with some assurance to those who desire to promote and advance the claims of their special flowers within the society, that it will be done. We are not facing as we ought, the problems which this purpose demands of us.

Our members should be constantly thoughtful and active for the society in obtaining new members, soliciting every one who trades with them to become a member of the society, following the example set by that distinguished horticulturist, C. M. Hovey, of Boston, when he was trying to build up and extend the Massachusetts Horticultural Society. He and his superintendent and clerks solicited every person who came to his nurseries or greenhouses to become a member of that society. In this manner, I became a member at the age of 24. We ought to be more resolute, definite and not, Micawber-like, "waiting for something to turn up."

You have seen the co-operative department of purchase installed. Many of you have heard the discussions and know the object, the purpose recommended to the committee appointed by the convention in Detroit; their report was read at the convention; it was printed with the other doings and sayings upon co-operation. The purpose was stated clearly and the convention believed in the object to be obtained by co-operation. The vote at that meeting was that the executive committee of the Society of American Florists, in their individual capacity, and without involving this society in any way whatsoever, should organize the corporation, as suggested by the committee. It was the sense of that convention at Detroit, in my judgment, that the corporation should have been organized, without involving the society, but since then, at the meeting of the executive committee, it was the opinion of a majority of the committee that the society did not give sufficient sanction for the organization of a corporation, and so voted to continue the co-operative purchase department, as it then existed, until the meeting of this convention. These several suggestions and recommendations are worthy of your consideration.

As an illustration of the remarkable growth of floriculture and horticulture, we may instance the great west, where in some localities it has increased in population in twenty years, 400 per cent. The increase of glass in the same time for floriculture and horticulture, is over 1100 per cent. No one could have foreseen this enormous and phenomenal growth. We here see some food for co-operation. Should we obtain all the parties who erected the glass, as members of this society, and a profit of 25 cents a box for glass, it would net a sum of over hundreds of thousands of dollars. This for only one branch of industry. We can scarcely comprehend the magnitude of the uses of glass for floriculture and horticulture. Add to the society's members those interested in floriculture and horticulture and it is impossible to estimate the magnitude of the growth and the wonderful impetus it would give the society. It is said there is a lesson, which even co-operation should learn; it has taught us all through nature, as well as in political and commercial combinations; the race which rests, and seeks the happiness of the hermit crab, very speedily decays. It is only in conquest over difficulties as they arise day by day that the solution lies. If co-operation is not to die out, or be choked, it must spread itself wider and wider. It affords the world all the advantages of competition,



PATRICK O'MARA, PRESIDENT-ELECT OF THE SOCIETY OF AMERICAN FLORISTS.

while it avoids the cruelties which arise from an uncontrolled and unbridled monopoly. The achievements have been so great in the past, the morality of it so suited to the individualistic temper of the Anglo-Saxon race, that we cannot doubt the result, if only co-operators will earnestly work. With opponents so active, it is evident the assiduous propagation of co-operative principles is necessary.

I will trouble you again with a few statistics to remind you what co-operation has done in England and Wales. Up to and including 1893, total sales, \$2,995,530,380; net profits, \$256,080,345. To 1895 by the last report inclusive, \$4,070,547,775; net profits, \$360,075,120. The Leicester Co-operative Society, hosiery manufacturers, commenced in 1887 with a capital of only \$150; by December, 1898, the capital had increased to \$204,855.

I sincerely hope that you have examined into the merits of co-operation carried on by a corporation, so that the decision here rendered at this convention, when the subject comes up for action, may be voted upon intelligently.

Co-operation ought to be continued by the corporation, with competent officials to manage it. To-day all mankind, as never before, is interested in co-operation, to avoid being crushed body and soul by the colossal trusts. When co-operation is fully installed in the different industries it will sound the death-knell of trusts. Co-operation here will still require the parental, patient and fostering care of its

friends, and of those who breathed into it the breath of life and have nursed it since its birth.

Our society had in its treasury, January 1, 1900, \$855.55 and a life membership fund of \$585, this amount after sixteen years of association. Does this sum seem sufficient and satisfying for all the efforts that have been made for sixteen years of labor? It pales in comparison with the association of the Massachusetts Horticultural Society, organized in the year 1829, when floriculture and horticulture were in their infancy, obtaining 250 members the first year and increased to 500 members in the year 1845, with \$53,000 in its treasury. This, too, when floriculture and horticulture had hardly begun to climb to the great proportions to which they have grown. They have nearly a million dollars to-day. What plausible answer can we make in our defense, that we have not accomplished more, when the country is teeming with people and wealth, to which the years from 1829 to 1845 bear no comparison? They established a home. We should have one, second to no other horticultural building in the world. Can we have it? Most assuredly, if we will it, and make it a labor of love. A home which shall bring the society an income, with an experimental station in some suburban district, where everything in floriculture and horticulture can be tested and tried, from which we all would receive a great benefit.

This home should be a place where any

member can come; it should be the Mecca of the florist, where he can seek and give information; a place for the diffusion of knowledge. I believe the first home of the society should be in the city of Greater New York, it being to-day nearly the center of advanced floriculture and horticulture and which during the life of some members here will increase to 10,000,000 inhabitants. When this shall be accomplished, and is on the road to success, it will be time to consider other cities, where it may establish a home.

For sixteen years we have had uncertain existence, and until the society has a local home, a house it can call its own, its advance will be fitful and uncertain. With a local home, I believe the society will gain largely in permanency and membership. It will take upon itself a new lease of youth and vigor, and its usefulness will be felt in all parts of the country. Every department of floriculture and horticulture should here be welcomed and find here a congenial atmosphere. We should aid and encourage the science connected with our art, that we may better appreciate the elevating and purifying influence derived from a better and more advanced knowledge, which it is possible for us to obtain in no other manner.

This is the age of rapid progress and development, the accumulation of wealth with means to gratify our tastes for the beautiful. It should be our aim to lead in floriculture and horticulture and to mold public sentiment in our art. We should stimulate it so that it would further embellish and adorn our homes, our private grounds, our public parks and buildings. We have an unparalleled country, with unequaled natural advantages and we ought to be able to give those seeking information, the most advanced and particular ideas, so that each and every member of our society would be better equipped to carry forward this profession and under the most favorable methods. Such are some of the possibilities stretched out before us, and to their accomplishment, we should be inspired by a common purpose. We should allow neither discord nor difference of opinion to weaken our efforts, but work together harmoniously and unitedly, that we may be recognized in the community as a powerful influence in every branch of our profession.

The recommendation of the president in relation to a home for the society has been considered by a committee consisting of Messrs. O'Mara, Rudd and Cartledge, who will make a special report to you on the subject.

It has been suggested that the past presidents of the society be made honorary members. If you deem it wise to consider this question, it would be well to fix the status of such honorary members.

The interest developed in some of the manly sports connected with our society is encouraging. Anything which is uplifting, which brings more of us together at our convention, is welcome, and, if twenty or more clubs organized for manly sports will come to our next convention we will give them all encouragement and a hearty welcome.

The increasing demand for plants, both foliage and flowering, is no doubt due to a taste for something more permanent in homes than cut flowers. An erroneous idea has gone abroad that cut flowers at some seasons of the year are exorbitantly high, but an analysis of the prices for the year will show that the average is lower to-day than the grower ought to

receive. Adverse criticism is occasionally made, which is heralded abroad by the newspapers and periodicals, that extravagant prices for flowers are charged by the growers for the holidays.

These criticisms are made by those who know little or nothing regarding the cost of cut flowers. It is the one season of the year in which the grower hopes to receive a remuneration for his efforts. He is obliged, oftentimes, to lose a crop of flowers for which he received nothing, in order that he may obtain the desired crop for the holidays, when there is a great demand for them. Did he not do this, not over half the flowers could be offered for sale in the holidays. The high prices which we hear of are only for the few flowers which are called exhibition flowers. If the grower depended for his income upon this class of his product, there would not be a foot of commercial glass in existence for the growth of cut flowers. It is to the vast volume of second, third and fourth class flowers, and that demand which comes from the middle as well as the poorer class of people, who never pay high prices for them, that the grower, and in a large measure the florist, depends for his success. Those who want, and will have, the very finest of flowers, selecting only the most perfect in form, foliage, size and coloring, and who are thoroughly conversant with these qualities, are willing, as they ought to be, to pay the price which is demanded for them.

Wild flowers, beautiful children of the woods and fields, is there not a future for them in the greenhouse? If made a specialty, would they not find a welcome and a place in every home? Here is another opportunity for youth to seize and develop.

In his peroration Mr. Wood spoke of the growth of our industry and emphasized his belief in its possibilities and in co-operation.

Judges of the Trade Exhibits.

The following were appointed to make awards on the exhibits in the trade exhibition:

Plants—Herman Lips, J. Francis Huss, Robert Hunnicks.

Cut Flowers—W. J. Smythe, J. N. Champion, A. Gude.

Boilers, etc.—Alexander Montgomery, F. H. Dressel, John Coombs.

Greenhouse appliances, etc.—W. W. Edgar, A. Wiegand, W. W. Coles.

Florists' supplies—F. C. Weber, August Gaedeke, Philip Breitmeyer.

Bulbs and seeds—Wm. Plumb, E. Wein-
hoher, John Bertermann.

Report of the Secretary.

MR. PRESIDENT AND MEMBERS:—One year ago we met at Detroit under circumstances peculiarly encouraging. Confidence and stability had returned to the business interests of our land, we had the advantage of a popular city centrally located, and it was not unexpected that the convention of 1899 was most successful in all respects and the results highly gratifying to those intrusted with the management of the society's affairs. The usual full official report, a 168-page volume, was published in the fall and mailed to every member, and a detailed account of the proceedings at Detroit having also been widely disseminated throughout the trade papers at the time, it is not necessary now to make any extended report of that event. Among the strong features of the meeting were the fine trade exhibition, in which some

sixty firms were represented; the interesting papers presented and discussed, especially those on rose house pests, by Edmund M. Wood on hybridizing carnations, by C. W. Ward; and on the development of public patronage, by J. F. Sullivan; the very practical report of the work of our legislative committee, the spirited discussion on the subject of co-operative purchase, the unstinted hospitality of the Detroit people, the splendid illuminations in honor of our visit and the large number of flattering invitations received for the next convention. We accepted the invitation from the New York Florists' Club, seconded by the fighting governor and Mayor Van Wyck, and here we are.

The annual meeting of the executive committee was held in New York city on January 16, 17 and 18, 1900, all the members of the committee being present except one. Besides the usual convention preliminaries many other important



WM. F. KASTING

Vice-President of Society of American Florists.

subjects closely connected with the society's welfare were considered with careful deliberation, among them the organization for co-operative purchase of greenhouse supplies. The committee, feeling that, in a matter involving so heavy a responsibility, the society's wishes were not indicated with sufficient clearness in the vote of instructions passed at Detroit, finally left the plan undetermined, and the subject will again be brought before the society at this convention.

It being announced that the New York Florists' Club proposed holding a horticultural exhibition in connection with this convention, the committee voted to appropriate twelve silver and twelve bronze medals for distribution thereat, under the direction of the New York Florists' Club. It was decided that the department of nomenclature supervision might now be transferred from the care of a special committee to a regular botanist, and Dr. N. L. Britton of the New York Botanical Garden was appointed accordingly to this office. Sub-committees were constituted to investigate and report to this convention on the matters of society incorporation and a permanent society home.

The department of plant registration has moved along acceptably since last report. It has been the means of adding several very influential names to our permanent membership list, its provisions are willingly complied with, it pays well and is evidently approved by those who have had occasion to avail themselves of its advantages. The registrations in this department since our last meeting were as follows:

August 25, 1899, by Lager & Hurrell, Summit, N. J., *Cattleya gigas atropurpurea* and *Cattleya Hardyana Robbiana*.

September 18, 1899, by Peter Henderson & Co., New York, *Canna Governor Roosevelt*.

September 21, 1899, by W. E. Hall, Clyde, Ohio, *Geranium Little Pink* and *Geranium Clyde*.

September 21, 1899, by M. H. Walsh, Woods Holl, Mass., *Rose J. S. Fay*.

November 1, 1899, by D. Carmichael, Wellesley, Mass., *Carnation Eleanor Ames* and *Carnation May Whitney*.

November 13, 1899, by Conard & Jones Co., West Grove, Pa., *Canna Olympia*.

November 17, 1899, by Alex. MacLellan, Newport, R. I., *Chrysanthemum Victoria*.

December 4, 1899, by Robert Montgomery, Wellesley, Mass., *Rose Mrs. Oliver Ames*.

December 26, 1899, by Benj. Dorrance, Wilkesbarre, Pa., *Rose Sara Nesbitt*.

February 1, 1900, by Conard & Jones Co., West Grove, Pa., *Rose New Century*.

March 5, 1900, by C. Warburton, Fall River, Mass., *Carnation Creesbrook*.

March 7, 1900, by C. H. Gerbig, Archibald, Pa., *Geranium A. N. Gerbig*.

March 13, 1900, by Lager & Hurrell, Summit, N. J., *Cattleya Trianae Nettie Martin*.

April 2, 1900, by Nathan Smith & Son, Adrian, Mich., *Canna The Express*.

April 2, 1900, by Lager & Hurrell, Summit, N. J., *Cattleya Trianae aurantiaca* and *C. Trianae Fairy Queen*.

April 5, 1900, by the Floral Exchange Co., Philadelphia, Pa., *Rose Queen of Edgely*.

April 16, 1900, by J. H. Dunlop, Toronto, Ontario, *Rose Lady Dorothea*.

April 20, 1900, by Lager & Hurrell, Summit, N. J., *Cattleya labiata Mrs. W. C. Squier*.

June 2, 1900, by Richard Gardner, Newport, R. I., *Canna Bobs*.

July 15, 1900, by Arthur Griffin, Newport, R. I., melons, *Griffin's Hybrid* and *Sea Verge*.

July 15, 1900, by M. H. Walsh, Woods Holl, Mass., *Rose Sweetheart* and *Rose Debutante*.

August 9, 1900, by Geo. Wittbold, Chicago, Ill., *Nephrolepis Wittboldii*.

A number of purchases of glass and rubber hose have been made for parties applying through the department of co-operative purchase, a trifling commission being added in each case, the profits therefrom being devoted to stationery, postage and other expenses incurred in the department.

The secretary's experience during another year strengthens the favorable opinion previously expressed regarding the system of membership assessments now in operation, and there seems no room for improvement in this department. The number of individuals who paid in 1898, but not in 1899, and have therefore been dropped from the membership roll is forty-six and the number of resignations two. The full number of members recorded as paid up for 1899 is 553, inclusive of twenty-six life members, a net gain of 119 over the previous year.

The new names added to the list of members in 1899 numbered 148; one each from California, Colorado, Connecticut, Georgia, Iowa, Louisiana, Maryland, Montana, Tennessee and Texas; two each from Kentucky, Massachusetts, Minnesota, New Jersey, Rhode Island and Wisconsin; four from Canada, six from Missouri, seven from Indiana, seventeen from Michigan, nineteen from Illinois twenty-one from New York, twenty-five from Pennsylvania, and twenty-seven from Ohio. Since our last meeting three members have died: Alfred Henderson, September 5, 1899; J. M. Jordan, February 4, 1900; Harry Dale, July 15, 1900.

The list of plant introductions in America, published in the annual report for 1899, described 189 new things. This included twenty carnations, seven roses, five cannas, twenty dahlias, fifty eight chrysanthemums, eight sweet peas, twenty-five geraniums and forty-six miscellaneous. The list of canna introductions fell off very heavily from the previous year.

We had hopes of securing for this convention a lower excursion rate for our members than the usual fare and one-third, but all efforts in that direction were futile. It is gratifying, however, to know that the concession this time extends over practically the entire country, and further, that our organization enjoys the good will of the transportation authorities in the fullest sense, no instance of the misuse by our members of their special privileges having yet been recorded.

From a territory so strong horticulturally as that in which we meet this year, large additions to our membership are naturally expected. The confident spirit of the times, so well evidenced in the substantial gains made at Detroit, is still with us and early in the year it became apparent in the secretary's office that New York's convention would be a record breaker. It is our proud privilege now to rejoice that the period of reaction, the days of depression and uncertainty are, at least, behind us and that once more our honored society is on the high road of prosperity.

The continued cordial co-operation and cheerful assistance which the secretary has received during the year from the members is not the least among the factors in the society's prosperity, and he takes this opportunity to acknowledge the same with grateful appreciation.

WM. J. STEWART.

Report of the Treasurer

Treasurer H. B. Beatty, of Oil City, Pa., presented his annual report showing a balance in the society's favor of \$1,247.58.

Reports of Committees.

P. O'Mara, chairman of the committee on legislation, made a report showing that nothing had been accomplished at Washington or Albany, but that an important concession had been obtained from Canada, by which greenhouse-grown roses, imported in leaf, are admitted as greenhouse stock. The committee complained of the difficulty in getting congress and the legislatures to appreciate the difference between nursery stock and florists' stock.

President Wood made a verbal report for the co-operative purchase committee. He said that, at a meeting of the executive committee, he reported a charter and

by-laws for the proposed corporation, but the charter was rather too broad. He then suggested limiting it to the purchase of glass, pipe, hose, paints and oils. After a long discussion the opinion seemed to prevail that the Detroit convention had not given sufficient sanction for the organization of the corporation, and it was voted to continue the purchase department, though a number of the committee were willing to take stock in the new concern. He added that it would be unfortunate not to have a corporation, as he believed it would be a benefit to every member who availed himself of the purchase department, and that the department would have to be organized into a corporation in some form if it was to be continued. On motion the subject was made a special order for Wednesday morning.

H. B. Beatty, chairman of the committee on incorporation of the S. A. F., reported as follows:

The necessity of incorporating the Society of American Florists and giving it a legal existence is so obvious as not to require mention at this time. No progress has been made toward acquiring a national charter, and it does not appear to your committee that further effort in that direction is advisable. After investigating more or less fully the incorporation laws of the various states, your committee finds that the laws of the state of Indiana are so broad and so liberal that this society can be incorporated under them without changing materially its present constitution and by-laws or altering its present methods of work. We therefore recommend the appointment of a committee of three with power to incorporate the Society of American Florists, it being understood that before final action on their part, full details shall have been submitted to the members of the executive committee of this society, and have been approved in writing by three-fourths of the members of said committee. The thanks of your committee are due to Mr. W. J. Vesey, of Fort Wayne, Ind., for legal advice kindly and freely given.

The committee's recommendations were concurred in without objection.

Mr. O'Mara, for the committee to procure a home or permanent headquarters for the S. A. F., reported that, as the members had not had a chance to meet and consult upon plans or select a particular city, not having a fund for traveling expenses, they had done nothing. He stated that it was their intention, however, to hold a meeting during the present convention and try to outline some plan upon which action might be taken at the next convention. He gave notice that a further report would be made, probably on Thursday morning.

At this point, 11:30 o'clock a. m., having disposed of miscellaneous business, the convention took a recess until evening.

Florists' Hail Association.

The annual meeting of the Florists' Hail Association of America was held on Tuesday. Secretary J. G. Esler reported that on August 1, 1900, the 934 members insured an aggregate area of glass of 13,025,762 square feet. The total receipts for the year were \$10,999.14; disbursements \$8,510.58, of which \$5,570.42 was for losses, \$1,600 for investments and \$1,340.16 for expenses. The cash balance on hand is \$5,896.57. The total reserve fund is \$7,526.87. During the year the society paid for 56,452

square feet of single thick glass and 18,104 square feet of double thick.

The choice of officers resulted in the re-election of the former staff: J. C. Vaughan, president; E. G. Hill, vice-president; J. G. Esler, secretary; A. M. Herr, treasurer; Stephen D. Horan, Wm. F. Dreer, Jos. Heacock, directors.

The President's Reception.

At the president's reception Tuesday evening the convention hall was thronged with a brilliant assemblage, composed largely of ladies in attendance upon the convention. Nearly all present availed themselves of the opportunity to shake hands with President Wood and indulge in a social chat with that courteous gentleman. The affair was under the auspices of the New York Florists' Club.

At nine p. m. a lecture on "Floral Decorations" was delivered by Robert Kift, of Philadelphia, who supplemented his discourse with a series of stereopticon views, showing the beautiful effects made by combinations of flowers and foliage in church and house decorations. Among these were reproductions of the notable displays of recent years, including the Vanderbilt-Marlborough and Vanderbilt-Belmont wedding decorations and spectacles in the White House in connection with presidential inaugurations.

A vaudeville entertainment concluded the programme for the day.

Wednesday's Proceedings.

At the second day's session, after the reading of the reports of judges on exhibits, the matter of a co-operative purchase corporation was taken up. President Wood again advocated the creation of the corporation. A brief discussion developed that no report on the matter had been made by the executive committee, to which it was referred at last year's convention, and therefore action now would be premature. The subject was then tabled.

Greenhouse construction was then considered in an illustrated paper by J. D. Carmody, which appears elsewhere in this issue, and for which a vote of thanks was tendered.

The rivalry between Chicago and Buffalo for the honor of entertaining the society next year developed a strong following for both cities. Edgar Sanders and W. N. Rudd championed the claims of Chicago, but the drift of sentiment was in favor of Buffalo, and upon Mr. Rudd's motion the choice of the latter city was made unanimous.

The proposed constitutional amendment to strike out of the title of the society the words "Ornamental Horticulturists" was defeated. The vote was fifty-nine yeas to forty-six nays, less than the required two-thirds in the affirmative.

The balloting for nomination of officers occupied the remainder of the morning.

The Chrysanthemum Society of America.

The chrysanthemum society met on Wednesday and adopted a report by its secretary, Elmer D. Smith, enumerating the varieties certificated last year. A twenty-dollar cup was voted to be awarded for the best ten blooms of either new or old varieties shown at the Chicago exhibition this fall, also a twenty-five dollar prize for the Paris Exposition. A balance of \$81 on hand was reported. Officers were elected as follows: President, A. Herrington, Madison, N. J.; vice-president, Eugene Dailedouze, Flatbush, N. Y., secretary, Edwin Lonsdale, Chestnut

Hill, Pa.; treasurer, John N. May, Summit, N. J.

The American Carnation Society.

The carnation society met Wednesday afternoon with Ex-president Nicholson in the chair, and arranged a programme for the Baltimore meeting of next year. This includes essays on hybridizing by Peter Fisher and John Cook, the latter of Baltimore; also a talk by Prof. Woods, of the Department of Agriculture, Washington, on his recent investigations of the carnation, and one by E. G. Hill on carnations abroad, as seen by him in his recent travels. Additional papers are expected, treating of the methods of taking cuttings, how to cut and pack flowers and possibly on cool rooms for storing carnations.

Wednesday Evening's Programme.

The evening session opened with an address by Prof. B. T. Galloway, of the Department of Agriculture, which appears elsewhere in this issue.

Prof. N. L. Britton concluded the day with a lecture descriptive of the New York Botanical Garden, which was fully illustrated with a series of excellent stereopticon views.

Thursday's Proceedings.

At Thursday's session the committee that had reported in favor of securing an incorporation under the laws of Indiana withdrew its report and a new committee was created to renew the effort to get a national charter. It was stated that there was now a fair prospect that the effort would be successful.

Lawrence Cotter's proposed amendment to the by-laws requiring nominations of officers to be made orally and elections to be by a majority of all the votes cast, was adopted.

THE ELECTION OF OFFICERS.

Patrick O'Mara, of New York, was elected president, and William F. Kastling, of Buffalo, vice-president. Secretary Stewart and Treasurer Beatty were re-elected.

A resolution proposed by Messrs. Kift and Roehrs was adopted, creating a committee on sports, to be appointed at the executive committee meeting in the convention city, to take full charge of all bowling, shooting and other contests, and to so arrange that these shall not interfere with the regular work of the convention.

Papers by William Frazer, of Buxton, Md., urging a large attendance at the Baltimore carnation meeting in 1901, and by William Weber, of Oakland, Md., on the improvement of the carnation, were read.

In connection with a paper read by Robert Craig, a discussion took place upon making some provision for experiments in sub-watering. It was intimated that a practical test would be made at Purdue University, Lalayette, Ind.

The necessity for establishing a permanent home or headquarters for the society was also urged by Messrs. Dean and May.

After the reading of a paper on the rose, by E. G. Hill, the convention adjourned.

The afternoon was devoted to an excursion to Glen Island, upon the invitation of the local club. On the return trip in the evening, President Wood was presented with a fine gold watch and chain, the gift of the S. A. F. Robert

Craig, who made the presentation, complimented the recipient and spoke in acknowledgement of the kindly attentions of the local club, which had made the visit of the florists a most delightful one. President Wood made a fitting response and all present joined in the refrain "He's a Jolly Good Fellow."

The Horticultural Exhibition.

The exhibition hall was made particularly attractive to members and visitors by the large display of specimen plants shown from private conservatories, through the enterprise of the New York Florists' Club. The beauty and perfection of this feature was a marvel to many and far superior to any exhibition yet given under the auspices of the S. A. F. Among them, perhaps the largest display, was that from the H. McK. Twombly estate at Madison, N. J. This collection of palms at the end of the hall was awarded first prize. In this group a pair of royal and fish-tail palms, very large, were quite conspicuous, surrounded by dracænas, crotons and kentias. A specimen kentia here took first prize; this plant has twenty-three beautiful leaves and measures twelve feet high. This gardener also took second prize for three distinct varieties of ferns, with *Aspidium Capense*, *Asplenium nidus avis*, with its beautiful, wide leaves, and *Davallia Fijiensis plumosa*. Other prizes to this grower were first on specimen cycas, second for six dracænas and first on six specimen palms, including one *Pinanga Kuheii*, something of a novelty.

James Dowlen, gardener for H. L. Tyrrell, Seabright, N. J., was awarded first for group of 100 square feet of ferns, a beautiful lot, among which was a fine *Gymnogramma Peruviana agrophylea*, quite silvery in appearance; a splendid *Davallia Moreana* and a beautiful lot of *Adiantum Farleyense*. A large table of fancy caladiums won second prize. A group of foliage plants of 100 square feet, containing beautiful anthuriums, crotons, dieffenbachias and dracænas drew third prize.

To H. Nichols, gardener for J. B. Travers, Yonkers, N. Y., was awarded first prize for specimen fern, an *Adiantum Farleyense* three feet in diameter; also first for three best specimens, three distinct varieties; first for group of 100 square feet of flowering and foliage plants, which was principally anthuriums and crotons; the group was, however, very attractive and perfect in every detail. Mr. Nichols also had a vase of *Hydrangea paniculata* blooms that were eight inches in diameter.

The second prize on specimen palm was awarded to Wm. Rennie, gardener for Mrs. Charles Pratt, Brooklyn, N. Y., for a large and perfect phœnix; this grower also took second prize for specimen fern.

G. H. Hale, gardener for E. D. Adams, Seabright, N. J., exhibited six specimen ferns, distinct varieties, which were superb, taking first prize. His *Davallia Fijiensis plumosa* took third as a single specimen, and his group of foliage plants took second prize; this was arranged in a circular form on the floor, a trifle crowded but the perfection and coloring of the individual plants was remarkable. His group of fancy caladiums was a revelation to many, winning first prize, as did his specimen croton and *Acalypha Sanderi*.

Wm. Duckham, gardener for D. W. James, of Madison, N. J., exhibited twelve stove and greenhouse plants which won

first prize. He had a beautiful display of fancy caladiums and his six dracænas won first prize, as did his specimen dracæna, his group of foliage plants and his collection of new and rare plants.

Edw. Wolz, gardener for E. W. Bliss, of Brooklyn, took second on six specimen ferns, third for six specimen dracænas, third for Rex begonias and his group of foliage plants won second prize. He also had a large show of coleus.

D. F. Roy, gardener for E. S. Converse, Malden, Mass., had some Rex begonia varieties which won a second prize.

John Bushard, gardener for G. E. Dickinson, Irvington, N. Y., was first for collection of cannas.

A specimen *Asparagus Sprengeri* three and one-half feet in diameter from L. Stern, Irvington, was awarded first prize.

A. K. Petit, gardener at the New York Deaf and Dumb Institute, took first on begonias.

Perhaps the most tastefully arranged exhibit was that of Samuel Thorn, a pond of aquatics with palms, ferns, hydrangeas, etc., arranged to form a setting for the pond. A large *Cissus discolor* was particularly noticeable.

A fine group from J. H. Trey contained the only bamboos which were exhibited.

A. L. Marshall, gardener for J. B. Dutcher, Pawling, N. Y., took first prize for six cannas.

P. Reiley, gardener for Wm. Brown, Buckley, N. Y., had twelve specimen crotons, winning first prize.

Everyone had a word of commendation for the grapes. The exhibit winning first prize contained one bunch of *Barberosa* weighing nine and one quarter pounds, grown by John Esch, gardener for Miss E. J. Clarke, Pomfret Center, Conn. The winner of the second prize was Wm. Scott, gardener for Jos. Eastman, Tarrytown, N. Y.

Trade Exhibit.

The special committee appointed to bestow the handsome cup offered by Sander & Co., St. Albans, England, for the most creditable exhibit, awarded it to Julius Roehrs, Carlton Hill, N. J.

The following were the trade exhibitors and their specialties:

Bobbink & Atkins, Rutherford, N. J., complete collection of evergreens in tubs, small ferns and *Eurya latifolia variegata*.

Geo. Witthold Co., Chicago, Ill., display of *Nephrolepis Wittholdii*.

Julius Roehrs, Carlton Hill, N. J., large display including a beautiful lot of orchids in bloom, ferns and palms in variety.

Siebrecht & Son, New York, large display of palms, orchids in bloom, variegated pineapples, anthuriums, etc.

Robert Craig & Son, Philadelphia, large display of choice crotons, the neatness of the labeling of which was commendable; also *Begonia Gloire de Lorraine* and a good assortment of palms.

The Floral Exchange, Philadelphia, cut blooms of Queen of Edgely.

Henry A. Dreer, Philadelphia, complete line of ferns and palms.

Cottage Gardens, Queens, N. Y., a good display of geraniums, cannas, small ferns and *Begonia Gloire de Lorraine*.

J. M. Keller, Brooklyn, cattleyas and dracænas.

J. A. Peterson, Cincinnati, very fine display of *Pandanus Veitchi* and *Adiantum Farleyense*.

John B. Cowell, Buffalo, hybrid dracænas.

Fredrick H. Dressell, Weehawken, N. J., *Dracæna Lindenii* and Boston ferns.



HAND BOUQUET OF ORCHIDS, SURROUNDED BY OTHER EXHIBITS, AT THE EXHIBITION OF FLORAL ARRANGEMENTS, FRANKFORT, GERMANY, JUNE 22-24, 1900.

Hiram T. Jones, Elizabeth, N. J., evergreens in tubs.

Clucas & Boddington Co., New York, bulbs and palms in variety.

P. Ouwerkerk, Jersey City, evergreens in baskets.

Lager & Hurrell, Summit, N. J., orchids and requisites.

John Lewis Childs, Floral Park, N. Y., large display of cut gladioli and perennials.

John Peed & Sons, London, England, large display of caladiums.

C. H. Joosten, New York, bulbs, field grown rose plants and small palms.

Thomas Roland, Nahant, Mass., Begonia Gloire de Lorraine.

A. B. Howard & Son, Belchertown, Mass., attractive display of Star petunias and dwarf zinnias.

Daly Brothers, New Durham, N. J., a new pink geranium called Paunpeck.

Lemuel Ball, Philadelphia, palms, dracaenas and pandanus.

A. Rolker & Sons, New York, small ferns, palms, supplies, etc.

Arthur Cowie, Berlin, N. Y., fine display of cut gladioli; a variety most admired was White Lady, pure white.

R. Dryer, Woodside, L. I., display of mammoth cyclamens, palms, ferns, etc.

Elizabeth Nursery Co., Elizabeth, N. J., evergreens, perennials, shrubbery and trees.

Vaughan's Seed Store, Chicago, Boston ferns, Dutch, French and Bermuda bulbs.

Bobbink & Atkins, Rutherford, N. J., Dutch bulbs, kentias, Boston ferns and Hasselt pottery, new and unique in color and design.

Alex. Klokner, Milwaukee, plant and flower vase.

Stumpp & Walter Co., New York, bulbs, mushroom sprawn and horticultural supplies.

Isaac Hicks & Son, Westbury Station, N. Y., collection of photographs showing their contrivances for moving large trees.

Dayton Fruit Tree Label Co., Dayton, O., display of label samples.

Schloss Bros., New York, ribbons.

W. J. Cowie, Berlin, N. Y., device for wiring flowers for designs.

Sultar Disinfectant Co., New York, insecticides.

New Jersey Moss and Peat Co., moss, etc.

B. Hammond, Fishkill, N. Y., paint, slug shot, etc.

W. A. Manda, South Orange, N. J., photographs of special plants.

Ed. Jansen, New York, baskets, etc.

Wm. J. Elliott & Sons, New York, bulbs, palms and horticultural supplies.

Peter Henderson & Co., New York, complete and attractive display of plants and horticultural supplies.

J. M. Thorburn & Co., New York, excellent display of seeds, etc.

H. Bayersdorfer & Co., Philadelphia, florists' supplies of all kinds.

W. C. Krick, Brooklyn, immortelle letters, etc.

Henry Bird, Newark, recently illustrated pot.

Robert Kift, Philadelphia, vaseholders and flower tubes.

A. Herrmann, New York, florists' supplies of all kinds.

S. J. Limprecht, New York, baskets, sheaves, etc.

N. F. McCarthy & Co., Boston, sheaves, metal wreaths, hose couplings and Japan vases.

Boston Florists' Letter Co., Boston, immortelle letters.

Whilldin Pottery Co., Philadelphia, pots and hose couplings.

Detroit Flower Pot Mfg., Detroit, pots.

A. H. Hews & Co., North Cambridge, Mass., pots, vases and pans.

W. F. Kasting, Buffalo, sod cutter and soil pulverizer.

Rustic Construction Co., New York, rustic work, baskets, etc.

Ionia Pottery Co., Ionia, Mich., pots.

W. C. Heller & Co., Montclair, N. J., seed cases.

Jennings Bros., Philadelphia, iron gutter, bench fittings, etc.

Gorton & Lidgerwood, New York, a side-feed boiler.

White Enamel Refrigerator Co., St. Paul, refrigerator for florists.

Lord & Burnham Co., Irvington, N. Y., model for greenhouse construction, heating apparatus, etc.

Geo. M. Garland, Des Plaines, Ill., patent iron gutter.

L. Wertheimer & Co., New York, jardineres, prepared cypas leaves and moss.

Emil Steffens, New York, wire work.

Conard & Jones Co., West Grove, Pa., cut cannas.

Hilfinger Bros., Fort Edward, N. Y., pots.

Reed & Keller, New York, florists' supplies.

Quaker City Machine W'ks., Richmond, Ind., ventilators.

Sigmund Geller, New York, florists' supplies.

E. Hippard, Youngstown, O., ventilators.

Lehman Bros., New York, wagon heaters.

H. W. Gibbons, New York, sectional cast iron boilers.

John A. Scollay, Brooklyn, cast iron boilers.

The Herendeen M'fg Co., New York, the Furman boiler.

Stevens & Co., New York, sprayers.

Wm. H. Kay, New York, boilers, wind mill, pipe, etc.

Thomas W. Weathered's Sons, New York, cast iron boilers, iron gutter, etc.

Hitchings & Co., New York, cast iron

boilers, greenhouse construction, etc. Wm. H. Moon Co., Morrisville, Pa., evergreens in pots.

A. C. Oelschig, Savannah, Ga., rubber plants and Araucaria Cookii.

Storrs & Harrison Co., Painesville, O., field grown roses.

Ives Kromskop Company, Philadelphia, a system of preparing colored slides of flowers or plants by a system of color photography.

Daniel B. Long, Buffalo, floral photographs and stationery.

J. G. & A. Esler, Saddle River, N. J., rubber hose.

Several publishing houses showed a variety of horticultural literature.

Between the Acts.

Follow New York's lead.

Genial Ned Lonsdale was missed.

The seedsmen's exhibits were numerous and remarkably good.

George Watson didn't like that kind of capitulation. There were others.

Lawrence Cotter received a comrade's cordial greeting from many old friends.

Visitors to Ed. Jansen's were unstinted in their praise of the hospitality shown.

Sprengeri sandwiches and smilax dances are the latest products of Chicago genius.

While some visitors rested in Little Germany, others saw the Phillipinos or the elephant, but all were well pleased.

Two successive tie votes for the office of vice-president will hardly be perpetrated again in the history of the society.

Good places for many men and all good men in those places was the rule with the committeemen of the New York Florists' Club.

The society members remain ornamental horticulturists in name as well as in fact, at least so says Ex-president Gude.

The white Indians of the Chicago bowling team chafed under the captain's restraint, but remained good boys and safe bowlers.

Hail Secretary Esler never ceases to be a hale fellow well met. Though repeatedly losing parts of his anatomy the remainder seems to improve.

The Glen Island ride and the enjoyable occasion there has buried that twelve years' old memory of Captain Lynch's pirate steamer, Long Branch, deep in oblivious wave.

There has never been a convention when visitors were so sure of the mistake made by absentees as in this one at New York. Make up your mind now to attend the next at Buffalo.

No little credit for the exhibition was due to the private gardeners and their active co operation. The last day was a good one for the many commercial men who complained of lack of business the first days.

What I Think I Know About Greenhouse Construction.

BY J. D. CARMODY, EVANSVILLE, IND.

[Read before the Society of American Florists at the New York Convention.]

To attain the best results in any branch of industry the best methods must be employed. Especially is this true of plant culture under glass. Never until good houses were constructed was it possible to grow such roses and carnations as now gladden the eyes of mortals and make the business of floriculture a financial success. But it took many years to

attain the perfection in plant houses which enables the florist to produce these perfect flowers.

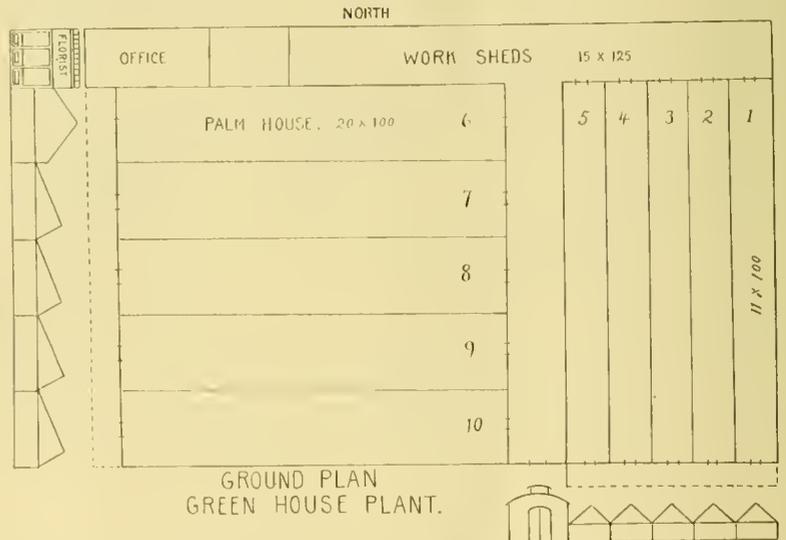
Those of us on whom time has carved fantastic wrinkles and ornamented with silver locks can well remember the make-shifts and dugouts, heated by brick flues, that were once dignified by the name of greenhouses. They bear the same relation to the present commercial houses that the stage coaches of that day do to the present palace railroad cars. The progress of transformation was exceedingly slow from the fact that not everyone who has the requisite ability to grow good flowers possesses also the mechanical genius to plan and build a structure especially adapted to their best development. And it was only when the florist and mechanic combined their efforts, resulting in greenhouse building becoming a special industry, that perfection in floriculture under glass was approached.

Be it understood, I am not writing this article for those who are able to employ the specialist to place the house in position ready for occupancy, but rather for those of moderate means who go in the business of growing flowers for the love of them and with a desire, if successful, to make a living by their production. I desire also to assist the vegetable grower to put a roof of glass over his lettuce and cauliflower and relieve him from the inconvenience of the

price too high but you may be sure as a rule the improvements you put on the ground will not reduce the value. If the ground selected is on the outskirts of the city, as it should be, in a short time the city will build out beyond the location and the price will go higher rather than lower. I know of many florists who by the sale of their greenhouse property late in life were able to retire with a competency, making more out of the rise in real estate than they saved in a' those years of labor by the sale of plants and flowers.

I would not advise anyone to build in a city, among high buildings or near smoky factories. A leaking gas main will in a few hours run a house full of plants. The writer has experienced loss in this way. In an atmosphere of dust and smoke good flowers cannot be grown. Locate your house so that it cannot be shaded by anything, and if you have several houses locate them so they no not shade each other. Nothing is so desirable in growing cut flowers as clean glass and sunshine. In drawing your ground plans study convenience in getting your fuel dropped from the wagon directly beside your heat generator. Do not have a deep cellar for your boiler or fire-place, as it makes it inconvenient to get the ashes away.

On the character of the plants intended to be cultivated largely depends the plan



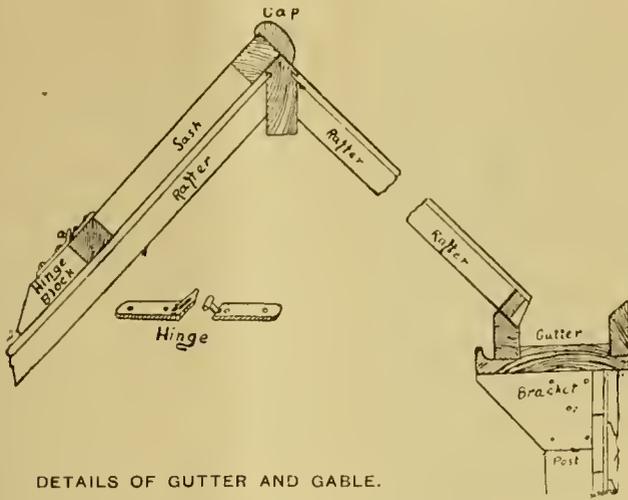
cold frame and hotbeds which are now rapidly giving way to plant houses.

The ordinary village carpenter has not the first correct idea as to the construction of a plant house, but if furnished a few sectional drawings and watched by the gardener who has seen or read up on such structures, a great many mistakes can be avoided, and greenhouses can be put up by home labor and out of home material, and the proprietor, by doing a share of the work, can save not a little of the expense. At the present time, thanks to machinery, the sash and sashbars can be obtained from the factories fully as cheap and in better shape and I would advise to patronize greenhouse builders to that extent.

The first thing to have in building a greenhouse is the ground to put it on, and right here let me say if possible have a deed for the ground before you commence building. You may think the

of the houses, and by all means settle on a plan and have a complete drawing of same, both ground plan and sectional, before commencing the work. Most persons starting in this business expect to increase their range from time to time as occasion demands. Therefore the first house should be located so that it can be enlarged or built beside of and remain as part of the plant without remodeling. If it is desired to grow principally bedding plants at the start I would recommend the houses to stand with the length north and south.

The first thing to build in starting a greenhouse is a shed not less than fifteen feet wide and as long as the plant house is in width; this will furnish a work-shop and shelter to keep the new lumber dry and a place to paint the material before it is put up. I will now call your attention to this diagram as a ground plan of a range of houses I would build were I



DETAILS OF GUTTER AND GABLE.

to embark in business to grow a general assortment of plants and cut flowers and had an open piece of ground. Here we have the first shed located along the north side of the plant, with a range of five glazed houses opening into it from the south. These houses are 11x100 feet each.

Now we will suppose the plant as you see it here laid out represents several years of moderately successful labor of the new beginner who years ago bargained for one or two acres of ground in the suburbs of the thriving city of Poseyville, Posey county, Indiana. He had worked in a grocery store for several years and handled flowers for the proprietor, who sold them for a florist on commission. By handling these he got a liking for them and finally decided to go into the business, though having little money but a good deal of good sense, the first year he built fifty feet of houses Nos. 1 and 2 and the potting shed across the end as a beginning. He bought sash and rafters ready made from the planing mill and with the help of a carpenter for a few days put the houses up, doing the glazing and most of the work himself. Not having the price of a boiler and pipe he resorted to the cheaper method of brick flues under the benches for the first year.

Having good success, the next year he builds fifty feet more on each house and gets a few sections of a cast-iron boiler and pipes to heat by water. I recommend water heating for small places, especially as it requires less attention and holds heat longer than steam. The third year he builds house No. 3 and increases the size of the boiler by adding more sections, and so on each year he adds more plant space, until, finding a greater demand for cut flowers, a different style of house is needed, also a different aspect, as good roses and carnations require more sun. A house for their growth should be so located as to get all the sun rays possible, so he changes the houses to stand east and west and No. 1, 20x100, with a shed to cover the entrance is his next labor.

Providence in the shape of industry, economy and good management favoring him, he finally has this plant complete without the loss of a single house by mistake of location or error in construction, a thing that seldom occurs with new beginners.

Having completed the plant the new beginner will proceed to explain some of the whys and wherefores of the construction. He built two fifty-foot houses

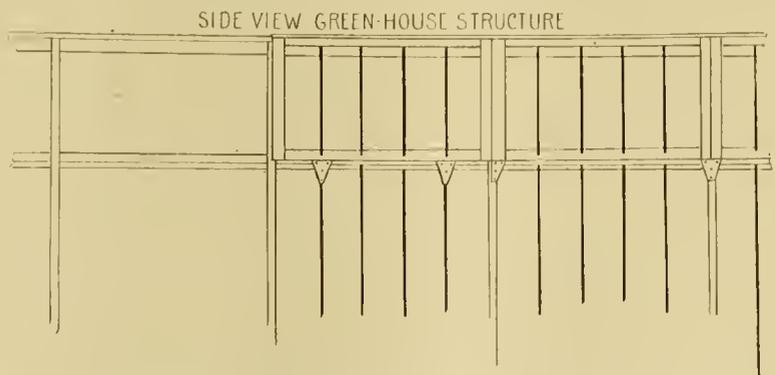
at first instead of one of 100 feet because having to use flues to heat with they give better satisfaction than were they 100 feet long. The houses are eleven feet wide to allow a walk of three feet in the center, with four-foot side benches. The walks in most single houses are only two feet, which is too narrow for comfort and convenience. The shed should not be less than fifteen feet wide, the roof not high and nearly flat, with a tin or tar paper covering; sixteen-foot boards will make the roof. The shed is at the north, first, not to shade the houses and, secondly, to protect from cold northerly winds. The office is put at the corner as nearest to the thoroughfare, the cut flower room in the rear of the office for convenience.

Having laid out our ground plans we will now proceed to construct our houses. The first step after building the shed is to set the posts for the side walls. These should be set not more than six feet apart; four feet would be better, and of material least subject to decay. I have found red cedar best of all woods. I have also used catalpa, chestnut, locust and heart of white oak with good results. If the posts are charred on the lower end when they go into the ground it will add many years to their existence or if, after the posthole is half filled with earth, properly rammed, the rest is finished to the ground level with a grout of one part water lime cement and three parts sand and gravel it will save from rot for many years. The ingredients should be mixed dry and wet up in batches for each posthole; this cement will also keep the posts firm in position.

After the posts are set in a line and the cement is hardened, if cement is used,

which is highly recommended, measure up from the ground-level about four feet on the middle post and from three to six inches lower at one end and the same space higher at the other, so as to give the gutter a pitch of from six to twelve inches in 100 feet, toward the end where you wish the water discharged; then stretch a line tight and tack on two horizontal lines of very straight boards to conform with this line, one on the out and one on the inside of the line of posts. Then saw the tops off the posts just at the top of these boards; these strips form a rest for the saw and are a gauge to cut by. They also stiffen the posts so they do not work loose and get out of line in the sawing. Now, on top of the posts, spike on the bottom of your gutter. The best lumber should be used here, and be sure there are no sappy places in it. Clear cypress is good, but if the red wood of California can be obtained it is more durable, though in the absence of either, white pine free from sap, if kept painted, will last many years. We will call your attention to this drawing which shows a style of gutter which gives me the best satisfaction. This is a cross section sketch with the dimensions as follows:

Full width of gutter bottom, twelve inches; thickness when dressed, one and seven-eighths inches; gutter sides, one and three-quarter inches; space between, seven inches; depth inside, three inches; bevel top edge the same as the sash bar, the lower end of which is tacked on top of gutter sides, and the space between the sash bars is filled with a block on top of which the lower light of the glass will rest. We prefer to have the sash bar lie on top of the gutter rather than be tacked to the side, as many do, from the fact that this way is stronger and the bar will last longer. Furthermore the drip water will run outside the house through the grooves in the sash bars. No, it will not let in the cold air, for when freezing this small aperture will close up with the ice. Sash bars tacked to the side of the gutter have nothing but the small nails and the narrow one-half-inch parting between the glass to hold the lower end up. Again, the water of condensation running down keeps the end of the bar wet and the nails will rust out and the bars soon get rotten. You will notice the bottom of the gutter is philistered out to receive the side pieces which are spiked on from the side and also from below, while the outside edge is left standing, which forms a gutter to catch drip and conduct same out along the main gutter. We show an outside wall and water table, also valley gutter for the latter. We deem it best to spike on cross heads of plank two inches thick by



SHOWING ARRANGEMENT OF RAFTERS AND SASH.

six inches or eight inches wide to better support the wide gutter. The differently constructed outside wall will not need this extra member. If desired the outer wall can be made with gutter omitting the narrow gutter shown in the other sketch.

The side walls should be constructed with two thicknesses of board lumber with tar paper between. The inside lumber may be of common rough boards while the outside should be of dressed flooring, tongue edge up, or, what is better, what is called ship-lap lumber, as shown in the sketch. Good weather-board, the same as used on frame houses, may be used when other material is not obtainable. If it is desired to make a nice finish, stamped sheet iron representing brick work may be used. This should be well painted inside and out and frequently coated outside to prevent rusting. In fact, paint is a good thing to have about a greenhouse and every joint in constructing should be painted before putting together and each year some portions, particularly the gutter, should be looked after with a view to painting if needed.

We now call your attention to the gable construction. You will observe the top of the ridgepole is just flush with the top of the sash bars or rafters and comes to a ridge in the center, conforming on both sides to the pitch of the house. The ventilating sash rests on top of the sash bars, or rafter, as the case may be, and the top rail is shaped to conform to the slope of the opposite side of the house. Now, on top of the sash is spiked or screwed a cap piece as shown, which shuts over the ridgepole, making the joint air and water tight when the sash is closed. The sash is hinged at the bottom to a tapered block shown here and elsewhere of the same thickness as the sash, and spiked or screwed on to the sashbars or rafters close up against the lower edge of sash.

The next sketch shows a full side view of a section of a well built eleven-foot house. Each member is drawn full size, but the length and space between them is half size to reduce the size of the drawing.

In a house of this size we prefer to use glass twelve or fourteen inches wide, and every fifth sash bar is of extra size. These are the same thickness as the others but two inches wide and extend from the gutter to the ridge pole. Between these sash bars or rafters is fitted in a cross piece and the lighter sash bars, one and one-quarter inches wide, extend only from the gutter to this header, leaving an open space when the sashes are lifted. In a house twenty feet wide and larger I would use a rafter 2x4 to every fifth row of glass, in the same manner as here shown. The joints between the sash will come over this rafter.

My reasons are that this plan makes a much stronger house than to have all the sashbars extend to the ridge pole, and it is no more expensive, for the material in the sashbar that in other plans is hid under the sash will more than pay for the extra size of the rafters. Again, you have the full space of the open sash for ventilation and less shadow. Where the sashbars are long, I bore an inch hole through these rafters where support to the bars is needed and run a three-quarter-inch pipe through the length of the house; this stiffens the whole structure and supports the sag of the bars better than a wooden purlin.

I advise the center posts to be of one

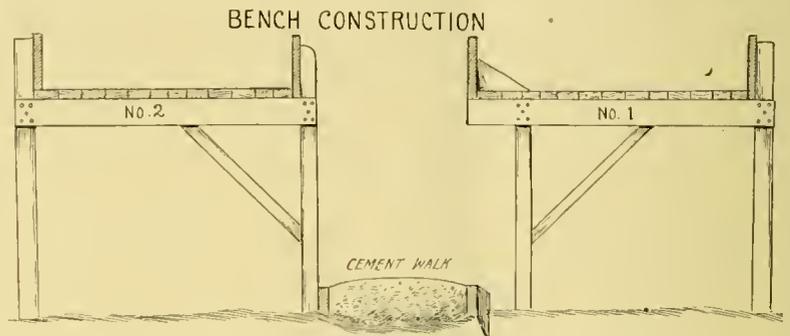
and one-half-inch pipe, as looking neater and being more lasting. One every ten or twelve feet is sufficient, but never be without them if the house is more than eleven feet wide and even in this size it is a good plan to set up every twenty-five feet a three-quarter-inch pipe each side of the walk under the heavy sashbar; or better, bend the pipe into an arch and let the ridgepole rest on the center of the arch. If iron pipe is not obtainable use 3x3 oak or cedar posts. All posts should rest on a firm foundation like a flat stone, or a square of artificial stone made by digging a shallow excavation at the desired place in the ground and filling it with water lime cement, gravel and sand, the same as used in setting the posts. Set a spike up endways in the center of this concrete and when solid the spike will serve to hold the bottom of the post in position, be it iron or wood. If of wood bore a hole in the bottom of the post and set it over the nail.

The outward pressure of the roof on the sides of the building is very great and

tion that shows poor economy in doing without the much needed apparatus.

You will observe in the ground plan of the plant I have some of the twenty-foot houses constructed with the long slope to the north. I have done so because it is the only way to avoid one house shading the other, when high houses stand east and west and are close together. This plan of building is recommended by some of the best florists in this country, who grow cut flowers of superior quality. My own experience is limited, but I am willing to be guided by such men as Fred. Dorner, C. W. Ward, George Miller and many others who give their testimony in favor of this method.

Now as to the better way to put in glass, but or lap, I have proof that it largely depends on the pitch of the roof. If steep, say for instance on the short-span-to-the-south side, but the glass and lap it on the long and flatter slope. As to details of putting or not putting, caps over the sash bars to hold the glass in, or no caps, we will leave everyone to decide for himself. There are some



SKETCH SHOWING TWO STYLES OF BENCH CONSTRUCTION.

without center support the ridgepole will in time sag down, and the sides bulge out. We advocate ventilating sash about three feet deep up and down the roof, hinged at the bottom, and continuous, being bound together at the top as shown in the illustration, for several reasons: First, in union there is strength. Secondly, it gives ventilation without draft from side currents that blow in when single sash is used. Thirdly, when hinged at the bottom they are easier raised as there is less weight on the lifting appliance.

In houses running east and west the sash should be located on the south side, because when open the sun will still shine through the glass instead of directly on the plant, which is a great advantage when the house is shaded. If the house stands north and south put the sash on the west side. If the sash opens at the bottom cold winds and scorching sun rays have direct access to the plants when the sash is open. Without an appliance of some sort that will lift a number of sashes with one operation, continuous sash cannot be used, but whether sashes are single or continuous, I contend that there is nothing about a greenhouse more useful or which pays for itself quicker than a ventilating appliance. To open and close sashes by hand, one at a time, is a tiresome and vexatious labor and takes much time that could be better employed. With a machine, air will be given and taken off when needed, and not put off on account of lack of time, and at all times the sashes are secure from being blown open or off the house, resulting in expensive destruc-

few things in building benches that are worth noticing. If you are putting side benches in a narrow house, with narrow center path, put together your benches as shown in this sketch. Here notice the iron post sits back about six inches from the face of the bench; the face board is nailed to the end of the bed piece and the bottom board. After bottom is on, a right angle bracket two inches thick is spiked down over every bed piece and the top of the face board is nailed thereto. This prevents the top of the face board from warping out of shape. Always make the bench frames independent of the side of the house. Some make the gutter posts answer the place of one bench post by spiking the bed piece to it. This helps to rot out the posts and damages the building. If the walk is three feet wide make the bench frames as shown in the second illustration.

The object in setting the front leg back is to give more room in the walk so a box or barrow may pass without obstruction. When there is room I deem the second plan better, as the front leg extends above the bottom boards and makes a support for the face boards. An occasional brace should be put in to stiffen a line of benches and it is generally economy to use good lumber in benches. I have found a coat of water line cement applied every season inside the bench to be a great preserver of the wood and it also keeps sow bugs away. Mix cement with water and apply with a whitewash brush. The bottom boards should never be more than six inches wide and if used for planting in, 3-inch slats one-half inch apart are better.

One of the best evidences of a thrifty gardener or successful florist is a neat, well-kept greenhouse, the walks of which are a very important part. Wet and muddy walks should not be tolerated and need not be when, by adopting the following directions, good pathways may be had at a small outlay of money and labor. First level the walk and on each side lay a line of 2x4-inch scantling; fill in between with cinders and coal ashes saved from the winter's firing; pack down until within one inch or one and one-half inches of the top of the scantling; fill the remaining space with a mixture of one part water lime cement and three parts sand or sifted coal ashes; wet up into a stiff mortar; round up in center and smooth off with a trowel, using a thin layer of dry cement on top; sprinkle with water while slicking over. This walk will last as long as the house and be a joy for a life time.

I would not advise to build houses of any width between eleven and twenty feet, say twelve, fourteen, sixteen or eighteen feet, for the reason that any size over eleven feet will require two walks to properly care for the plants. Having these two walks it is a waste of glass if all the bench room possible to reach comfortably is not provided along these walks. A four-foot bench is as wide as the average man can properly reach over and is about the proper width. Now in a twenty-foot house there should be eight feet of bench room in the center and four feet on each side and with two walks, each two feet wide, making a total of twenty feet in the clear, and less will not be economical.

Greenhouses like other buildings are each year subject to changes and different methods of construction. Some are improvements while others may not be. We now have iron frames, iron gutters, iron pipe benches, with tile or slate bottoms; all of which are good in their way if one has the money to buy them, but the poor man will always commence business in wooden structures and for this class I have penned these instructions and if they benefit or aid any fellow-being I am fully rewarded for the labor spent.

American Floriculture Retrospective and Prospective.

BY PROF. B. T. GALLOWAY, WASHINGTON, D. C.

[Read before the Society of American Florists at the New York Convention.]

It is sixteen years since the Society of American Florists was organized, and during this comparatively short period changes have taken place which viewed collectively have had a marked effect on the welfare of every member. The daily happenings in our lives, whether it be at home or in business, come to us in such a way as to make little conscious impression. They nevertheless mold us and direct us, and for this reason it is wise to pause once in awhile and look back on the aggregate results in order to be able to more intelligently guide our future course. With this object in view we invite your attention to some of the more important events of the past century as affecting the development of the florists' business, hoping that such a review, brief as it must necessarily be, will help toward a better understanding of what must be done in the future to keep floriculture in the front rank of horticultural pursuits.

A hundred years ago floriculture as we now understand it was practically unknown in this country. Here an



FUNERAL DESIGN, SHOWING USE OF SILVER BRAID, AT THE EXHIBITION OF FLORAL ARRANGEMENTS, FRANKFORT, GERMANY, JUNE 22-24, 1900.

there were pioneers, who in addition to following various horticultural pursuits, paid some attention to the cultivation of flowers. The early work, however, was carried on more for the purpose of gratifying a love for the beautiful than to reap pecuniary benefit. From the earliest times gardening has been a favorite pastime, and long before there was anything like a commercial tendency to the work, interest was kept up in it through an inherent desire to come into contact with nature.

Naturally the beginning of the work here was associated with the development of certain cities. The greater part of the wealth of the country was collected at such places, and better opportunities were thus afforded for the development of such an industry as the one we have under consideration. The city of Philadelphia was early favored in this respect, and for this reason and also on account of its comparatively mild climate it attracted gardeners and others inter-

ested in horticultural work from all parts of the world. Boston and New York were also early centers of floricultural work, and many of the first pioneers made their start at these places.

The rigorous climate of the New World necessarily required that special attention be given to the use of glass houses for the growth of many plants, and thus was early set in motion the forces which have had so much to do with the successful growth of the work here. The early greenhouses were necessarily crude affairs, but they served their purpose and were the links which made better work possible. In most cases only the sides and ends of the greenhouses were of glass, the glass being in very small panes set in heavy frames of wood. Heating was for the most part effected by means of hot air carried into or through the houses by bricks or other similar devices. Such were the majority of houses erected up to about 1825, when there began to appear a more marked interest in archi-

tectural effects and improvements in other directions. The demand for plants, flowers, and seeds was rapidly increasing at this time, largely owing to the more settled condition of the country, which afforded men of wealth an opportunity to turn their attention to the beautifying of home grounds and public parks.

Throughout the development of floriculture and other branches of horticulture in this country, home adornment, or amateur work, preceded the commercial. It is a fact that wherever the cultivation of flowers as a means to the adornment of a home or to public parks and other places is encouraged there soon arises a sufficient demand for flowers to warrant the investment of money in growing them for commercial purposes. Horticultural societies and other allied organizations have therefore played an important part in the development of commercial work. It is often through their efforts that interest is aroused and stimulated, until eventually a whole community feels the benefit.

The early development of floriculture is so intimately connected with other horticultural industries, such as the selling of seeds, plants and flowers, that it is difficult to separate one branch from the other and follow the development of any one alone. The selling of the seed was naturally an early-established industry, but years elapsed before the seed seller found it worth while to handle flowers. By 1840, however, there was considerable demand not only for flowers, but for plants, and to meet this numerous establishments sprang up at various places. Thus we read in one of the current horticultural journals that "Boston and vicinity is making considerable progress in floriculture. The establishment of a public garden in connection with a conservatory is having a tendency to diffuse a taste for plants." At this time (1840) there were a number of important establishments near Boston, New York and Philadelphia, and there were considerable areas of glass, devoted largely to the growing of camellias, azaleas, rhododendrons, fuchsias, pelargoniums, and to some extent roses.

The introduction at about this time of hot water into greenhouse construction gave a decided impetus to the work, and progress along many lines was rapid. For the next ten years floriculture flourished. The rose was rapidly coming into use and the cut flower business was growing. In 1852 a horticultural writer in Hovey's Magazine says: "Many establishments containing greenhouses and forcing beds, more especially for the production of flowers for bouquets, have sprung up in the upper part of New York city." Reference is made to Mr. T. Dunlap, of Harlem, and the immense quantity of flowers, particularly roses and violets, that he grew for his New York store on Broadway. In another place it is mentioned as a matter worthy of note that one store in New York had disposed of several hundred dollars' worth of plants and flowers during the holiday trade.

By 1860 the business had developed considerable importance. Stores in a number of cities were beginning to more and more make plants and cut flowers a specialty. The rose continued to grow rapidly in importance, and various bulbous plants, such as gladiolus, Japan lilies, etc., were receiving marked attention. Greenhouse construction had kept pace with other improvements, and comparatively well-lighted, well-heated, and well-ventilated structures were taking

the place of sash roof houses, in which wood predominated and good light and proper heat were out of the question. By this time the rose as a flower for bouquets and other purposes was beginning to supersede the camellia. Little attention was given to growing the rose, however, as a distinct crop. As a rule it was found in houses with other plants, the varieties grown being La Marque, Bon Silene and one or two others, and these were planted about in odd places, either in the ground or in pots, the flowers being utilized whenever they were marketable.

At the breaking out of the Civil War horticultural work was in a large measure checked and matters remained pretty much at a standstill until about 1870, at which time there were several thousand florists in the United States. The carnation began to receive attention about this time, owing to several importations made into the United States from Europe. Up to this period all the work had been carried on with little reference to specialization. It was the common practice to grow many different kinds of plants in the same house, and not only were the crops grown for the plants themselves, but were also forced for cut flowers. With the increasing demand for both plants and flowers, which began to be especially noticeable between 1873 and 1875, came the necessity for giving more particular attention to individual crops. Thus commenced the first movement leading to specialization. From this time on the progress of the work was rapid, but as the events have all taken place within our memories it is unnecessary to dwell upon them in detail here. Suffice it to recall the era of plant growing, which lasted for a few years and was followed by a rush to get into the cut flower business. Many of the large plant establishments were modified so as to be able to give their entire time to the cut flower business. The rose received special attention, and there followed a rapid development in growing this crop. Solid beds gave place to benches, and special forms of houses were developed as best suited to the needs of the crop. The carnation was a close second to the rose in the matter of importance, and a history of its development would make an interesting paper in itself. The same is true of the violet, which in the early days was grown almost exclusively in frames, but owing to keen competition the frames were soon found inadequate and sunken pits were substituted. From the sunken pit was gradually evolved the modern violet house found at the present time.

Gradually the general gardener is disappearing and the specialist is taking his place. The carnationist, the rose grower and the violet grower find it necessary to devote their entire attention to their respective crops if the best results are to be attained.

With these various changes came the establishment of large retail stores and commission houses, all so organized as to be able to handle the great quantities of flowers and plants produced by the growers themselves. The importance and need for organization brought into being this society and the demand for closer union developed the trade journals—small at first, but growing and waxing strong as the years pass by.

A careful survey of the field at the present time leads us to believe that there are now in the United States between 9,000 and 10,000 establishments engaged in the growing and selling of plants and

flowers in a commercial way. There are, in addition, many hundreds and perhaps thousands of individuals scattered over the country who sell small quantities of flowers and plants either at their own homes or at other places, but these can hardly be regarded as conducting commercial establishments, although the aggregate amount of glass they control is no doubt considerable. In order to get a satisfactory basis for the figures which follow, we have tried to reach every commercial florist in the United States and to obtain from them data on the amount of glass controlled, kind of crops grown, etc., as would enable us to draw reliable conclusions in regard to the present status of floriculture. This work has been supplemented by personal studies and observations in many sections, and as a result information has been secured which is believed to be reliable as far as it is possible to make it at the present time. At best, however, it must be understood that the figures given are tentative, and with the carrying out of more thorough plans, for which the present work opens the way, they may be materially changed.

The total area of glass in the United States is estimated at from 22,500,000 to 30,000,000 square feet, the largest number of square feet being found in the states of New York, Illinois, Pennsylvania, Massachusetts, Ohio and New Jersey, in the order named. New York is accredited with 1,200 establishments and 4,500,000 square feet of glass; Illinois with 800 establishments and 4,250,000 square feet of glass; Pennsylvania with about 900 establishments and 4,000,000 square feet of glass. The development of the business has been more rapid in Illinois, principally in the vicinity of Chicago, than anywhere else, and if present conditions continue it will be only a few years when Illinois as a state and Chicago as a city will lead the country in the amount of stock grown and handled. On the basis of 22,500,000 square feet of glass, the following estimates have been made and published in the last Yearbook of the U. S. Department of Agriculture:

"The estimated value of the establishments in this country, including houses, boilers and all fixtures, is placed at 50 cents for each square foot of glass, or \$11,250,000 in all. The income of the producer will average 50 cents per square foot annually, or \$11,250,000, and double that amount when viewed from the standpoint of the retailer. Considering the matter from the retailer's standpoint, therefore, the total value of the annual output is \$22,500,000, or \$1 for each square foot of glass.

"It is estimated that the retail value of cut flowers sold annually is \$12,500,000, the estimated apportionment of this sum being:

Roses.....	\$6,000,000
Carnations.....	4,000,000
Violets.....	750,000
Chrysanthemums.....	500,000
Miscellaneous flowers, including lilies, etc.....	1,250,000

"Estimating the average retail value of roses, carnations and violets at \$6, \$4 and \$1 per hundred, respectively, the total number of each sold annually, based on the above values, would be:

Roses.....	100,000,000
Carnations.....	100,000,000
Violets.....	75,000,000

Total..... 275,000,000

"The retail value of the plants sold is placed at \$10,000,000. Taking the plant trade as a whole and the country in the

aggregate, the average-sized pot used is estimated to be 3-inches, and the average retail price 10 cents per pot. This means that there are no less than 100,000,000 plants sold every year.

To handle this business in its entirety requires probably an average of not less than one man for every 1,500 square feet of glass, or 15,000 men in all. Fifteen hundred square feet of glass per man may seem like a low estimate, and such is the case when considering commercial establishments of any size. The larger the area of glass, other things being equal, the more square feet one man can handle. As a matter of fact, some of the large rose-growing establishments do not employ more than one man for each 10,000 square feet. Large carnation establishments will run about the same as roses, while violets, owing to the great amount of work involved in cleaning the plants and picking the flowers, average higher. It is the many thousand small establishments that increase the amount of labor required."

It may not be out of place now to briefly point out some of the lines along which floriculture seems likely to develop during the coming years. I think all will agree that much is yet to be accomplished in the way of improving business methods in conducting this work. We have been especially struck with this fact in our efforts to get data which would be of value in connection with the figures already quoted. The producer of plants, be he farmer, fruit grower, or florist, as a rule does not consider it necessary to apply to his work the ordinary practices followed in the world of business. The reasons for this become apparent on considering the position in which the plant grower is placed with reference to the manufacturer and storekeeper. The grower of plants is at all times required to assume great risks—in fact the risks are so great as a rule as to preclude anything in the nature of mathematical precision in the matter of calculating profit and loss. It must be said, however, that this statement does not hold true so strongly in greenhouse work as it does in outside horticultural pursuits. With the increased facilities for growing plants under glass and the specialization that is rapidly coming about, the risks are becoming less at the same time competition is becoming more keen. It behooves every man, therefore, who is looking forward to obtaining the highest success in his work to adopt every honorable means to increase production and decrease expenses. This can be done only by the closest attention to business methods, leading first of all to a thorough knowledge of every detail as to the cost of production. We have found it almost impossible to get any authentic figures upon the last-named subject. Very few men know what it actually costs to produce stock, as no systematic attempts are made to obtain facts in regard to this matter. As to the cost of houses and other equipment, there is as a rule very little available information on hand.

These statements are not made in a spirit of criticism, but are brought out simply to call attention to a matter which will undoubtedly disappear with the improvements going on in all directions in connection with this work. We have no doubt that much could be accomplished in this direction by thorough organization of the florists throughout the country, for at present only a small per cent belong to anything in the nature

of an organization. It would seem of the highest importance, therefore, to put forth every effort in the matter of not only strengthening this society, but developing local and special organizations which would have for their object not only the improvement of the members, but the encouragement of all lines of horticultural work in their respective communities.

We have already pointed out the importance of horticultural societies in the early development of this work, and suggested that what was true of them at that time holds true of such organizations now. The societies can arouse an interest in floriculture by meetings, exhibitions and in other ways, which will be felt by those who are looking to the commercial aspect of the case. We believe that this society could do a vast amount of good by encouraging the organization of florists' clubs and local organizations everywhere, not with a view of making



GERBERA JAMESONII.

them in any way tributary, but on the other hand to have them develop as strong independent bodies along general lines, which the Society of American Florists could in its present position direct. Such organizations could do much toward the establishment of public parks and the general adornment of the home. The great work that is under way in the city of New York is a sample of what might be done on a smaller scale in other places and what will no doubt finally result in benefit not only to the people as a whole, but to the florists in particular in the matter of bringing about a greater love for flowers and an appreciation of what they stand for in everyday life. I refer to the establishment of the New York Botanical Garden and the efforts being made to bring this enterprise in touch with horticultural interests along broad lines.

In the future the tendency will undoubtedly be to specialize more and more. This will be made necessary by the growth of competition, requiring the very highest products of the soil. With

greater specialization will come closer attention to every detail of the business and a higher appreciation of many little things which are now allowed to pass as a matter of course. The Society of American Florists can do much to shape this work, and we trust it may long survive to carry it on.

Gerbera Jamesonii.

Gerbera Jamesonii is a very fine composite from a certain district in South Africa, the name of which I don't recall, and is locally known as that district's daisy. The resemblance to the daisy is very striking, so far as the flowers are concerned, but the likeness ceases there, for the leaves are lyrate, or dandelion-like, somewhat coarse and sparsely produced.

We are indebted to Max Leichtlin, of Baden-Baden, Germany, for this plant, he having introduced it and four or five years ago forwarded a plant to his friend, Prof. C. S. Sargent, of Brookline, Mass., accompanying it with a letter in which he described the plant as being one of the finest composites ever introduced. He stated that it was slow to increase and extremely difficult to get it to seed, and this, I believe, is the experience of those who have had the handling and care of this plant in this country; hence its rarity.

I do not, however, believe that these conditions will always prevail; I think that with prudent perseverance it can be made to seed, at least comparatively freely. The only hope of making this plant more useful than it has hitherto been lies in raising seedlings, in order to evolve a greater freedom of bloom.

Gerbera Jamesonii must remain, for the time being, the especial pet and jewel of the enthusiastic amateur, at least until the "art which mends nature" has exerted its influence. The plant requires the protection of a cool greenhouse in winter or may be carried in a good cold frame, from which frost and dampness are excluded. Planted in the open ground in the early part of May or the later days of April, it will soon begin to send up its dazzling, vermilion flowers, exquisitely graceful and finely poised on strong stems from fourteen to twenty inches high. Only from two to three flowers are open at a time on a good-sized plant. This latter peculiarity is the chief ground for the complaints of the grumblers, but as these two or three flowers keep coming along all summer and each individual flower will remain perfect for from six to ten days under the blazing sun, the plant is almost always in flower and is a subject worthy of considerable painstaking.

KENNETH FINLAYSON.

The Rose.

BY E. G. HILL, RICHMOND, IND.

[Read in opening the discussion on the rose at the New York Convention of the Society of American Florists.]

My nomination to this function, I believe, is at the instance of the members of the Rose Society of America. I consider it a double honor to be thus chosen and permitted the privilege of opening this particular discussion before our national society. As time is precious what I say must necessarily be brief.

The rose as grown in American gardens, and the same flower as cultivated under our American forcing methods, are two quite distinct phases of this important subject.

In order that the rose may rise to its proper place in American gardens—a place similar to that which it holds on

the continent of Europe and in England—it is absolutely necessary that it may be freed from the dread fungus disease known as "black spot," which so cripples it in America, but which is practically unknown across the water. It is to be sincerely hoped that some heroic remedy, or some preventive measure, may be found which is as yet unknown to practical rose growers. By rose growers I mean both amateurs and professionals.

The rose as seen and grown in Europe is quite different from its development in this country. Abroad you may see roses at every turn, in every dooryard, growing in the healthiest and most luxurious fashion. These same varieties growing in our northern states, in all save a few favored localities, look like mere ghosts of their prototypes in Europe. This is noted by all who have had an opportunity to compare growths as seen on the two continents.

I hold that in order to popularize the rose, and to give it the supreme place that it deserves in our gardens, a remedy must be found for the fungus growth referred to, and which has played with such destructive force upon our rose stocks. When I was a young man I well remember with what vigor and luxuriance old varieties like Malmaison, Giant of Battles, Mme. Laffay, Bourbon Queen, and a host of others, grew and flourished; but it is no longer so. Even these old varieties, at the present day, are only shadows of their former selves. If this remedy cannot be found which shall restore our outdoor roses to perfect vigor, then we must breed a new race that shall prove immune from the dread disease. This same disease was not many years since a serious menace to

our indoor-grown forcing roses, but at the present time where black spot is prevalent it is generally conceded to be due to incorrect culture and improper methods.

This is the situation as now presented, whether we relish the fact or not. We may ask in all seriousness, what has caused this remarkable deterioration in the growth and vigor of our garden roses? Are our indoor-propagated roses responsible for a lack of vitality sufficient to withstand the disease? Are our underground methods of propagation responsible for the enfeebling of the rose? Your speaker waits for an answer.

What we want in this country are varieties of roses that shall flourish and bloom as do La France, Mme. Testout, Mme. Jules Grolez, L'Innocence, President Carnot and the like, in France and England.

If it is necessary to breed a distinct class of roses for our country, whither shall we turn—to what section of the family shall we look for the sturdy parents? In the rugosa section notable advance has been made by European raisers and possibly we may find varieties adapted to American climatic conditions along this line as the work progresses. In the section of rugosa hybrids we have Mme. Georges Bruant, Blanc Double du Courbet, Souv. Pierre Cochet, and I noted in the garden of Victor Lemoine, two sorts, the result of crossing tea varieties with rugosa. One of these was a beautiful bright pink in color, and M. Emile Lemoine stated that it flowered continuously; the other quite as attractive but blooming only once a year.

In the garden of Mr. P. Lambert, of

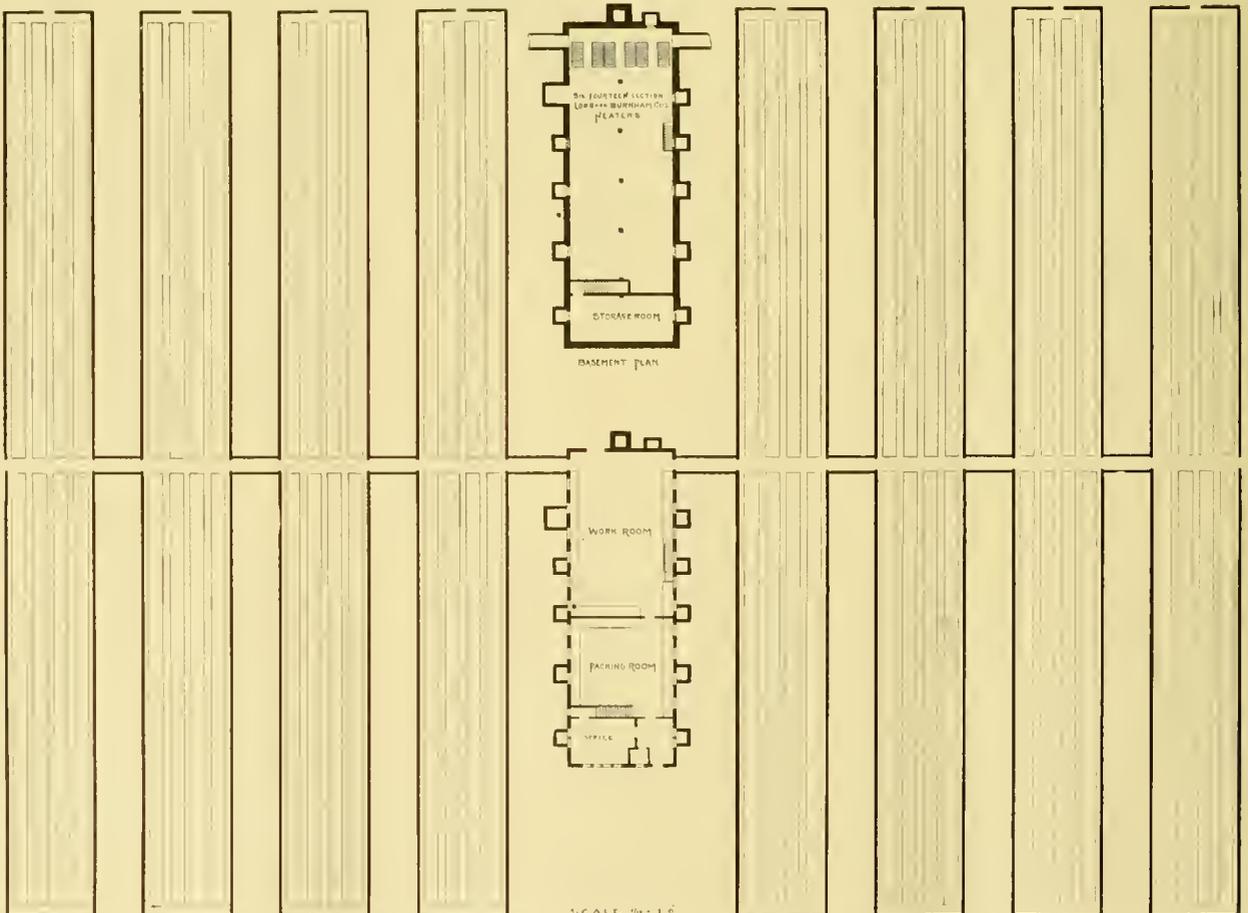
Trier, of Soupert & Notting, of Luxemburg, as well as in many others of both commercial and private rosarians this work of experiment in the rugosa section progresses, and something of note in beauty, vigor and hardiness is sure to develop, and it may be that we are just on the eve of having placed in our hands a class, a set, a type which shall prove the nucleus of a new race that shall inaugurate a new era in the cultivation of roses in our gardens. In this connection we must not forget the two novel developments of M. Bruant, Fee Opal and Rosa Belle; these were obtained from crosses of the tea section with the old variety, Fortune's Yellow. I saw them in bloom and am glad to testify that they were strikingly beautiful.

Probably the most noteworthy result of these recent experiments is M. Jh. Pernet's Soleil d'Or, which was obtained by crossing the Persian Yellow and the H. P. Antoine Ducher. This variety is distinct enough to merit the type name of Pernetiana as bestowed upon it by the raiser.

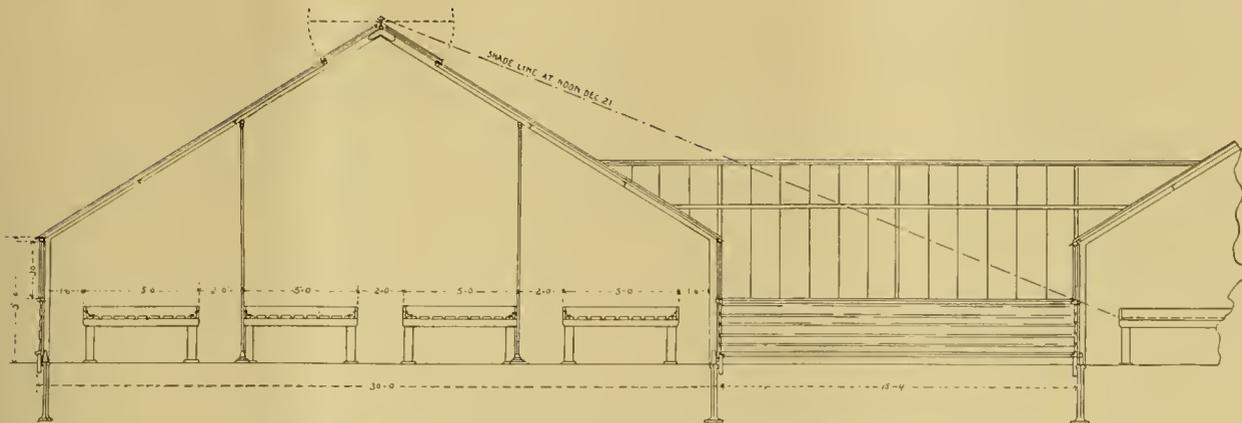
While recognizing the good work of our friends across the water, we must not forget to commend also the efforts of our own hybridizers, who are also experimenting on the line of the hardier types, Messrs. Walsh, Manda, Dawson and others.

A more wide-spread effort in this particular line of work should be inaugurated over our own country; we need more ramblers, equaling the Crimson and in different tints and colors; these can certainly be had by proper and systematic effort.

To sum up: We must make an earnest effort to either free our roses used for



GROUND PLAN FOR RANGE OF IRON HOUSES TO BE ERECTED FOR THE OHIO GARNATION CO., JOLIET, ILL.



SHOWING SHADE LINE AT NOON ON THE SHORTEST DAY IN THE YEAR.

garden purposes from the blighting effects of black fungus or we must, with intelligence and energy, seek to form and build up a new race of roses by crossing the hardier species with our present highly developed tea and hybrid tea varieties. American hybridists must keep in mind the hardy, vigorous characteristics required by varieties that are to succeed in our climate, nor stay their efforts until the new types produced; the reward will be ample.

Regarding new sorts for forcing purposes; we need new colors in forcing varieties—say like Gen. Jacq., or Rodocanachi, or a variety with the tint and fragrance of a Marechal Niel combined with the fine practical qualities of Bride or Bridesmaid; a fortune awaits the producer of such a rose, and if you will allow prophecy, I will venture to predict that within a very few years we shall have roses rivaling American Beauty, Bride and Bridesmaid, but covering a good range of color. The speaker has no knowledge of such undiscovered novelties being in existence at the present moment, but with the number of workers in the field, and the crying need of such varieties apparent to every rose-forcer, they are certainly among the probabilities.

In conclusion: I believe that the American Rose Society will prove the instrument that shall revolutionize the status of the rose, and that will make plain to the rose-grower, professional and amateur, the needs of the rose from our American standpoint, and with this hope in view, may I not ask—and urge—that you give to this young and growing society your name and your helpful encouragement and support.

WITH THE GROWERS.

CHICAGO CARNATION CO., JOLIET, ILL.

Progress is the order of the day with the Chicago Carnation Company, out at Joliet, Ill. Two new houses, each 22x200 feet, have been added this season to the range of wooden structures established about two years ago and work has been well begun on an entirely new and distinct range of modern iron houses. The old range now contains 57,200 square feet of glass.

The new range when completed will consist of eight greenhouses each 30x300 feet and a service building 39x105 feet. The plans have been furnished by Lord & Burnham. This firm will also put up the iron greenhouses, leaving the constructive work on the service building to a local contractor. The service building and one of the iron houses will

be completed this season, other iron greenhouses to be added as they are needed. Lord & Burnham's expert mechanics are now on the ground and the house will be completed and planted in short order. The plans of the range herewith reproduced will afford a better idea of its character and completeness than the most elaborate description.

The greenhouses will be of the latest style in every particular, running east and west; they will be fifteen feet four inches apart. The houses will be connected with the service building by a corridor running through the middle of each. Under this corridor will be a tunnel, six feet wide and five feet deep, for the heating mains. The tunnel will be covered with a sectional board walk so that leakages and other derangements may be repaired in the least possible time with a minimum of labor and expense. Hot water will be the heating medium, the houses being fitted with 2-inch wrought iron pipe. Ventilation will be continuous on both sides of the ridge, Lord & Burnham's latest improved ventilator, lifting in fifty-foot sections, being employed. The roof will be glazed with 16x24 double thick A glass, with thirty-inch panes for the side and ventilators. Each house will contain four benches five feet wide with path around the sides.

The service building will be the finest ever constructed for similar purposes. The cellar, with walls two feet thick, of Joliet limestone, is fourteen feet deep. A partition wall eighteen inches thick divides the cellar into two parts, the smaller of which (16x39 feet) will be used for keeping cut flowers, and the larger one for coal storage and a battery of six Lord & Burnham sectional cast iron boilers. The capacity is such that an entire winter's supply of coal can be put away in this cellar. Over the cellar, and separated from it by a fire-proof floor, arrangements are made for commodious offices and workrooms. This upper part of the building will be finished in brick, with a slate roof. At one end will be a brick smoke stack sixty feet high. Railroad switches have been introduced and so contrived that coal can be shoveled from the cars direct to the cellar chutes of both the old and new plants. Another noteworthy new feature here is a liquid manure tank with concrete walls and situated at such an elevation as to readily supply both greenhouse ranges. The walls are eighteen inches thick and the tank 12x22 feet and six feet deep. The tank is divided into two compartments of equal size, one for manure and the other for the liquid, which escapes

from the manure compartment through an opening in the partition wall, where it filters through straw, which leaves no sediment to accumulate in the pipes. There will be a liquid manure faucet in each house, connected with the tank by mains, and the tank will be covered with a brick shed, heated to prevent the liquid from freezing.

These and many other improvements now in progress indicate that J. D. Thompson, the manager of the concern, has a thorough belief in the future of the carnation, for it should be remembered that this entire establishment is devoted to carnations exclusively. Mr. Thompson has given the carnation only a very few years of study, but in all his planning and operations he has displayed shrewdness and judgment worthy of a veteran, and his enterprise is strictly in line with the progressive spirit of the times.

The stock has all been grown in the field this year. Some 40,000 plants, of the best up-to-date sorts, will be benched. Planting in the old range is already completed, the new iron house being reserved for seedlings. No cuttings will be taken from the flowering plants during the coming season, one house in the old plant being devoted to stock for propagation.

Oceanic, N. J.

A very well attended meeting of the Monmouth County Horticultural Society was held on August 17. It was decided to have a chrysanthemum show at Red Bank in the town hall on November 9, 10 and 11. A communication from the Pan-American Exposition was read and after a lively discussion, on motion of Robt. Murphy, seconded by Robt. Beaty, a legislative committee was appointed to attend to the matter at once. B.

Size of Return Pipes.

ED. AM. FLORIST:—I have a house 12x32 in which there are two 2-inch flows and fourteen 1½-inch returns; another house is 30x75 and has three 2-inch flows and sixteen 1-inch returns. The returns all enter the boiler through 1¼-inch pipe. Is this pipe large enough to carry back the condensed steam? If not, what size should it be?

E. C. N.

The main return should be 2-inch.

L. R. T.

EXETER, N. H.—Geo. W. Hilliard has just completed the eighteenth house in his range of rose conservatories. Business is good with him.

Making a Start at Growing.

ED. AM. FLORIST:—Please inform me through your paper as to how many square feet of glass would be necessary for a successful start in growing carnations exclusively for the wholesale market.

SUBSCRIBER.

This matter depends almost altogether on the experience, knowledge, business ability and willingness to "hustle" of the person who proposes to start the business. If he has knowledge and experience sufficient to assure him of success, he will be a better judge than anyone else, how small a place he can make a living and a small profit from. If he has not practical knowledge, he will have to buy and pay for it, before success comes. While he is acquiring his education, the smaller the place which he conducts the less expensive will the education be.

W. N. R.

In successfully growing carnations exclusively for the wholesale market there are a number of points to be taken into consideration. The first necessity is to have the capital to put up modern houses. In growing for the wholesale market you will have to compete with carnations grown in such houses, and while a little money might be made from carnations grown in the old style, cheaper house there is more chance of your stock being unable to find a good market than there is of finding one. To build these modern houses on entirely borrowed capital makes too much of a load for the beginner to carry, as they cost considerable and unavoidable reverses may happen to the stock and both capital and labor be lost.

If the heating is arranged so as to avoid the necessity of employing a night fireman, a good start might be made with 5,000 feet of glass in one modern house, or, at the outside, two houses, but this amount of glass would leave a very small margin for profit and should be added to as rapidly as possible.

To employ a night man, and he is almost essential to success, there should not be less than 10,000 feet of glass and as much more as possible up to double that amount, as a start; the latter figure would be quite enough, and after the first season's experience the business would either expand of itself or prove quite enough of an investment if it turned out a failure.

Locate as near as possible to a market that will consume good carnations, so that they can be taken to market in a very short time and with as little handling as possible. You will find yourself at a great disadvantage if located any distance from your market and profits will be almost if not altogether cut in two.

ALBERT M. HERR.

PROVIDENCE, R. I.—Farquhar Macrae is preparing to add considerably to his range of glass.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By reliable all-around gardener and florist; 12 years with orchids; English worker. Address FLORIST, care Am. Florist.

SITUATION WANTED—By a sober, industrious man, an experienced florist and gardener. I prefer a small place. Address W H. care Am. Florist.

SITUATION WANTED—As working foreman, by a first-class grower of general stock. Good designer and decorator. A R. S. care American Florist, Chicago.

SITUATION WANTED—By young man for general greenhouse work; age 23; three years' experience. Best of references. Address CHAS. E. IZOR, Loganport, Ind.

SITUATION WANTED—As manager or head gardener on private estate; good all-around man; German, married, no children. Best of references. Address C N C, care American Florist.

SITUATION WANTED—By well-experienced florist and gardener, able to manage greenhouses, parks, fruit, vegetables, etc.; middle age, married, no children. Private place preferred. Best references. Address E M. 1974 Surf St., Chicago.

SITUATION WANTED—As foreman, by a first class grower of roses and cut flowers; general planter; man; single, age 33. A first-class place wanted. Best of references. Open for engagement now or later. Address GROWER, care American Florist.

WANTED—A good, all-around grower. For particulars address HESS & SWOBODA, Omaha, Neb.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS E. BULL, Bakersfield, Cal

WANTED—A florist to grow carnations and general stock. State wages wanted with board. Address J. W. ENSWEILER, 5325 Morgan St., Chicago.

WANTED—Reliable, competent man. Fine roses, Mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—A good grower of roses, carnations; oversee and help to growing general stock; none but a sober and good worker need apply. State wages. MUNICE FLORAL CO., Muncie, Ind.

WANTED—A good second-hand Florida or No. 8 Furnace boiler; and offer for sale a good second-hand No. 14 Hitchings boiler, cheap for cash by THEAKE F. VAN DER MEULEN, Dunkirk, N. Y.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds. Bargain. W. L. WINN, White Hall Ill.

FOR SALE—Pots, from 2 1/4 to 3 1/2-inch. Big bargain. Address MRS. BOCKELMANN, White Hall, Ill.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only \$500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Extra good second-hand 3-inch pipe at 6c. per foot; also some 4 1/2-inch; secure it while it lasts. Address W. H. SALTER, Rochester, N. Y.

FOR SALE—Second-hand greenhouse boiler; first-class condition; will heat 4500 feet. Cheap if taken at once. 131 and 133 W. Superior St., Chicago.

FOR RENT—Owing to advancing years, I have decided to rent out my seven greenhouses, dwelling house and store. Excellent location, good trade. B. HAAS, 1813 Union, Omaha, Neb.

FOR SALE—Entire or one-half interest in a good business. Growing city of 20,000. Hot water; 5,000 feet of glass. Most excellent opening to reliable person. Must sell soon. B A A. care Am. Florist.

FOR SALE—Lease stock etc. of piece of 50' feet of glass in Chicago suburb all in good condition. Stock first class and more than is needed. Will sell very cheap; cash wanted. Reason for leaving am going to Europe. Address J. D. care American Florist Chicago.

FOR SALE—One 15 H. P. return flue stationary boiler, suitable for steam or hot water. \$75. One return bend coil boiler, 1 1/2 ch. pipe, \$25; on board cars here. Boilers in A1 condition; have only been used one winter. Address GEO. STAFFLINGER, Springville, N. Y.

SALESMAN WANTED

In our Flower Seed Department. Must be thoroughly familiar with Flower Seeds and Bulbs. Also acquainted with the Florists' trade.

W. W. RAWSON & CO., Seedsmen,
12 & 13 Faneuil Hall Sq., BOSTON, MASS.

FOR SALE OR RENT

Greenhouse, 5000 feet of glass, steam heating, Market Garden Ten Acres, six-room Dwelling, Barn, etc., adjoining thriving town of 3000, on St. Joe and Grand Island Ry.

H. SCHMALZL, Marysville, Kans.

FOR SALE.

A florist establishment for sale, consisting of 13,000 square feet of glass, in good condition. Heated by steam; in the city limits, located in a city of 18,000 inhabitants on the Mississippi river in Iowa, with several acres of land and dwelling house; must sell soon on account of old age. For further particulars address

L C K, care American Florist.

FOR SALE With 10 Year Lease,

One of the best places in Chicago.

This is a rare opportunity; if you have some cash, talk it over with me.

T. J. CORBREY,
1409-1411 W. Madison St., CHICAGO.

FOR SALE

240 acres of land on Isthmus of Tehautepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

For Sale.

Oakland, Cal.; an elegant piece of property, 160 feet front by 145 feet deep. Ten minutes' ride from the center of the city. Three large greenhouses, each 116 ft. by 25 ft., well stocked. Elegant cottage of 7 rooms. Gas fixtures and all conveniences. Owner compelled by circumstances to go to Alaska gold fields and must sell quickly. Cost \$7,000. Will sell at great reduction. Write for price.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

BEAUTIFUL ESTATE & FLORIST BUSINESS,

EXETER, N. H.

To be sold at auction, on the premises, WEDNESDAY, Sept. 5, at 10:30 A. M. (if rainy, the next fair day), unless previously sold at private sale. An ideal home or investment. Don't lose this chance. About 50 acres fine tillage land fronting on Portsmouth Ave.; large 12-room dwelling, hot water heat, slate roof, etc.; large slate roof barn, carriage house and carpenter shop, all conveniently and attractively arranged. Live stock, hay, wagons, carriages, all working tools and appliances, and many personal household effects. An extensive and profitable florist business—wholesale growing—long established, included; practically no competition, 15,000 square feet of glass, six large greenhouses, grand soil; sales limited by production only; 5 minutes from business district, electric and steam cars near; adjoins compact part of the town; delightfully situated; town famous for its beauty, refinement and rare educational advantages; Rye, Hampton and Salisbury beaches in easy distances and with electric connections; property should be seen to be appreciated; inspection may be made at any time; present owner to retire from business and remove from town; \$500 cash deposit at sale, balance on easy terms. Descriptive and illustrated booklet mailed upon request. Address

HAYES ESTATE, Exeter, N. H.

IT IS GOOD BUSINESS POLICY TO MENTION THE AMERICAN FLORIST WHEN YOU WRITE TO AN ADVERTISER.

New Castle, Ind.

The South Park Floral Company is now cutting about 1,000 short Beauties each day and has a fine prospect ahead for winter, as the glass is up-to-date and the plants in fine shape at present. They will shortly commence cutting Brides, Bridesmaids and Perles.

Meyer Heller is at the New York convention this week.

Recent visitors were: E. G. Hill and Mrs. E. T. Graves, of Richmond; Will Gerlach, of Cincinnati.

LAWRENCE, MASS.—Chas. E. Wingate suffered the fracture of his right leg by being thrown from his bicycle on the night of August 15.

Wholesale Flower Markets

CINCINNATI, Aug. 23.

Roses, Beauty.....	6.00@	10.00
" Bride.....	2.00@	3.00
" Bridesmaid.....	2.00@	3.00
" Meteor.....	2.60@	4.00
" Perle.....	2.00@	3.00
Carnations.....	.75@	1.00
" fancy.....		1.50
Gladioli.....	2.00@	4.00
Tuberose.....		3.00
As'ers.....	.75@	1.50
Lilies—Album and Rubrum.....	4.00@	5.00
Lily of the valley.....		4.00
Smilax.....		12.50
Adiantum.....		1.00
Common ferns.....		.15
Asparagus.....		50.00

St. Louis, Aug. 23.

Roses, Bride, Bridemaid.....	2.00@	4.00
" Beauty, 10 to 15 inch stems.....	4.00@	6.00
" Perle.....		2.00
" Meteor.....	2.00@	4.00
Carnations, common.....	.75@	1.00
Smilax.....		12.50
Adiantum.....	.60@	1.00
Tuberose.....	3.00@	5.00
Asters.....	.75@	1.50

MILWAUKEE, Aug. 23.

Roses, Beauty, long, per doz. 150@	2.00
" " med.....	.50@1.00
" Bride, Bridesmaid.....	3.00@ 4.00
" Meteor.....	4.00@ 5.00
" Kaiserin.....	4.00@ 6.00
" Golden Gate.....	4.00
Carnations, ordinary.....	1.00
" fancy.....	2.00
Adiantum lilies.....	15.00
Adiantum.....	.75@ 1.00
Common ferns.....	.25
Gladioli.....	2.00@ 3.00
Asters.....	.50@ 1.00
Smilax.....	15.00
Asparagus.....	65.00
Galax leaves.....	.20
Sweet peas.....	.15

PITTSBURG, Aug. 23.

Roses, Beauty, fancy.....	20.00@	25.00
" " extra.....	10.00@	15.00
" " No. 1.....	5.00@	8.00
" " culls.....	2.00@	4.00
" Bride, Bridesmaid.....	2.00@	6.00
" Meteor.....	2.00@	6.00
" Perle.....	2.00@	4.00
" Cusin.....	2.00@	4.00
Carnations, ordinary.....	.50@	1.00
" fancy.....	1.00@	1.50
Lily of the valley.....	2.00@	4.00
Sweet peas.....	.10@	.25
Smilax.....	12.50@	15.00
Gladioli.....	1.00@	3.00
Adiantum.....	.75@	1.00
Asparagus.....	35.00@	50.00
" Sprengerii.....	.25@	.35
Dagger ferns.....per 1000,	2.00	
Asters.....	.50@	2.00

DENVER, Aug. 22.

Roses, Beauty, select.....	12.50@	20.00
" " ordinary.....	4.00@	8.00
" Bride, Bridesmaid.....	3.00@	5.00
" Meteor.....	5.00@	6.00
" Perle, Wootton.....	3.00@	5.00
Carnations, ordinary.....	1.00@	1.50
" fancy.....	2.00@	2.50
Lily of the valley.....		4.00
Callas.....		12.50
Harrisii.....		12.50
Sweet peas.....	.20@	.30
Asters.....	2.00@	3.00
Galax Leaves.....		.20
Asparagus.....		60.00
Smilax.....		16.00
Ferns.....		.30

Everything in the
CUT FLOWER
line.
and a
complete line of **FLORISTS' SUPPLIES.**

WIRE WORK,
the kind
that will give satisfaction.

HOLTON & HUNKEL CO.,

P. O. Box 103.

Milwaukee, Wis.

When writing mention the American Florist

CUT FLOWERS.

Shipping orders receive prompt
and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

Please Mention American Florist.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS PITTSBURG, PA.
Liberty Street, IN SEASON.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

Bronze Galax Leaves
\$1.25 per 1000, Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.
AMERICAN ROSE CO., Washington, D. C.

I PAY EXPRESS or POSTAGE on my

Bronze Galax Leaves

and deliver anywhere in U. S. for ONE DOLLAR FIFTY per 1000. Write for particulars.
LILLIAN ALLEN DEXTER, Washington, D. C.

Galax Leaves.

J. L. BANNER & CO.,

.....MONTEZUMA, N. C.

Southern Wild Smilax.

NEW CROP NOW READY.

Caldwell The Woodsman Co. Inc.

Also J. B. DEAMUD, CHICAGO, ILL.,
L. J. KRESHOVER, New York, N. Y.,
M. RICE & CO., Philadelphia, Pa.,
THE VAIL SEED CO., Indianapolis, Ind.

...AN...

Indispensable Adjunct

For a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of \$2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

It Is Always **OUR AIM** To Give Satisfaction.

WE are equipped to give our patrons improved service during the approaching season. We have increased supplies of the very best stock in the market and we are in search of more of the right kind of buyers. If you want good stock write to us.

E. C. AMLING,

Wholesale Cut Flowers.

32-34 36 Randolph Street, CHICAGO.

McKellar & Winterson's Modern Supply House.



Send for Prices on all Supplies.
Clearance Sale Now On.

Give us your order now together with your needs in
CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCH

We are large Growers and Shippers of **CUT FLOWERS**
ALL THE NEW VARIETIES.
YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

Wanted at Once

"FLORISTS" to send to us for their supply of Cut Flowers. Most careful attention given to shipping orders. Order what you want—we have it. Cutting 2,000 Beauties daily.

GEO. REINBERG, 51 Wabash Ave., CHICAGO.

Seen by New Firms:

AMERICAN FLORIST ADVTs.

Wholesale Flower Markets

Chicago, Aug. 24.

Roses, Beauty, extra long stems	3 60
" " 39 inch "	2.50
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.25
" " 12 " "	1.00
" " 8 " "	.75
" Bride, Bridesmaid	2.00@ 4.00
" Perle	2.00@ 4.00
" Meteor	2.00@ 4.00
" La France	2.00@ 4.00
" Golden Gate	4.00@ 6.00
" Liberty	4.00@ 6.00
Carnations	.75
" fancy	1.00
Lily of the valley	3.00@ 5.00
Adiantum	.50@ 1.00
Common ferns	.15
Fancy ferns	.20
Smilax	8.00@ 12.00
Asparagus	50.00
Ivy leaves, per 100	.40



64 WABASH AVE. CHICAGO

R. E. Cor Wabash Ave and Randolph St

SAY: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

Carnations, Blooms and Cuttings.

51 Wabash Ave., CHICAGO, ILL.

J. B. DEAMUD,

Wholesale Commission Florist,

51 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash- ington St., Chicago.

Write for special quotations on large orders

WHOLESALE DEALER IN GROWER OF ROSES, CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue, CHICAGO. Telephone Main 3208.

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2.00 per Script Letters, \$4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR

FLORISTS ♦♦♦♦

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Geo. A. Sutherland, Boston Flowers.
WHOLESALE DEPOT FOR

All Florists' Supplies,
 67 BROMFIELD ST., BOSTON, MASS.
 Price lists mailed.

Wholesale Florists, JOBBERS IN
 Always on Hand: **FLORISTS' SUPPLIES**
 CARNATIONS, BRIDESMAIDS, BRIDES.
N. J. W. Hartley
FLORISTS' VASES.
 Horticultural Auctioneers.
 84 HAWLEY STREET, BOSTON.

The American Florist Company's
DIRECTORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price \$2.00.

AMERICAN FLORIST CO.,
 324 Dearborn Street, Chicago, U. S. A.

Circulation
 which
Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Wholesale Flower Markets

PHILADELPHIA, Aug. 22.

Roses, Tea.....	1.00@ 2.00
" " extra.....	3.00@ 4.00
" Beauty, extra.....	15.10@20.00
" " firsts.....	8.00@12.00
Carnations.....	.50@ .75
" " fancy.....	1.00@ 1.50
Lily of the valley.....	2.00@ 4.00
Gladiolus.....	.30@ .40
Tuberoses.....	.30@ .40
Asters.....	.50@ 1.00
Asparagus.....	25.00@50.00
Smilax.....	10.10@15.10
Adiantum.....	.50@ 1.00
Sweet peas.....	.20@ .30

BOSTON, Aug 22

Roses, Beauty, extra.....	15 00@20.00
" " medium.....	4 00@ 6.00
" " culls.....	1.00@ 2.00
" Bride, Bridesmaid, Meteor.....	.50@ 3 00
" " extra.....	3.00@ 5 00
" Kaiserin.....	6.10@ 8.00
Carnations.....	.50@ 1.00
Lily of the valley.....	2.00@ 4.00
Asters.....	3'@ .75
Sweet peas.....	.05@ .10
Smilax.....	8.00@10.00
Asparagus.....	.50
Hardy ferns.....	.20
Candy tuft, Gypsophila, etc.....	.10@ .15 per bunch

GIVE US A TRIAL! WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,
Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING
Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer,
Wholesale Florists
 1604 LUDLOW STREET,
 'Phone 1-42-69-A. PHILADELPHIA
 Consignments Solicited

LEO. NIESSEN,
Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance 'Phone 1-41-26 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
Wholesale Florist,
 17 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG...
 Largest Grower of... **Cut Flowers**
 in the West. Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON,
Wholesale Florist,
 5515 Fifth Ave, PITTSBURG, PA.
 LONG DISTANCE 'PHONE 2985.
 Consignments of Roses, Carnations and Violets. Solicited.

The Cincinnati Cut Flower Co.,
WHOLESALE FLORISTS.
 416 Walnut St., CINCINNATI, O.
 Consignments Solicited. Special Attention Given to Shipping Orders.

J. M. COHEN, Florist,
 Telephone 2385. CONSIGNMENTS SOLICITED.
 22 Chapman Place, BOSTON, MASS.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

Crowe & Co. Special Prize Maids,
Superb Roses, Leading Varieties. Choice Carnations and Rare Novelties.
Summer Shipping a Specialty.
TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Special attention given to Shipping Orders.
57 W. 28th St., NEW YORK CITY.
Telephone 2200 Madison Square.
CONSIGNMENTS SOLICITED.

**JOHN YOUNG,
ROSES, CARNATIONS, VALLEY**

and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets Carnations.

BROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

**FRANK MILLANG,
CUT FLOWERS,**

WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cut Flower Exchange.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....
DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 22.

Roses, Beauty, select	20.00@30.00
" " medium	4.00@ 6.00
" " culls	.50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
select	3.00@ 4.00
Carnations	.50@ 1.50
Lily of the valley	2.00@ 3.00
Sweet peas per 100 bunches	1.00@2.50
Harrisii	4.00@ 6.00
Cattleyas	20.00@33.00
Gladioli	1.00@ 1.50
Asters	.10@ .50
Smilax	8.00@12.00
Asparagus	25.00@35.00
Sprengerii, per doz. bun.	.75@ 1.00
Adiantum	.25@ .50

BUFFALO, Aug. 23.

Roses, Beauty	10.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin	6.00
Carnations	1.00
Lily of the valley	3.00@ 4.00
Sweet peas per doz. bunches	.30@ .75
Auratum lilies	10.00@12.50
Roseum	4.00@ 6.00
Gladioli	2.00@ 3.00
Asters	1.00@ 2.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

**MILLANG & CO.
WHOLESALE**

Commission Florists

48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders

WALTER F. SHERIDAN,

New Telephone No. Wholesale Florist.
902 Madison Sq.
39 W. 28th St., NEW YORK.
ROSES SHIPPED Price list on
to all points. Application

Ford Bros...

Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. Phone. 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.
ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE

S. J. LIMPRECHT,

Wholesale Commission Florist
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street. NEW YORK.
Telephone 1438 Madison Square.
Consignments Solicited.

Do not forget to say "saw your ad. in
the AMERICAN FLORIST" when corre-
sponding with advertisers

**J. K. ALLEN'S POPULAR WHOLESALE
CUT FLOWER HOUSE**

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled
and well sold. Excellent facilities. Telephone 197 Madison Square.

EDW. C. HORAN,

47 WEST 28TH ST.,
Tel. 421
Madison Square,NEW YORK.
CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Secy and Treas.

S. B. DICKS, representing Cooper, Taber & Co., London, arrived at New York on the Lucania, August 18.

NAPLES, ITALY.—Seed crops in general are not satisfactory at all as regards vegetables. Cauliflower is very bad and onions very short, hardly enough to fill contract orders. Lettuces and tomatoes are very bad, the latter on account of mildew. It is yet too early to say as to the condition of leeks.

WOOD, STUBBS & Co., Louisville, write that the acreage of onion sets planted in Kentucky this year was larger than ever before, but the majority of crops of sets are very much smaller than last year on account of the sets being smaller in size. The quality generally is first-class and it is only very rarely that any of the crops have grown too large in size. Taking the crop on the whole, they believe it is the best that has been produced in years, both in quality and quantity.

S. M. PRASE, of the Cleveland Seed Co., Cape Vincent, New York, reports the yield of peas as very light, both of early and late sorts; vines short, pods short and not well filled; many glassy, lifeless peas caused by excessive hot weather, necessitating great expense in hand picking. He does not think there will be over fifty per cent to seventy per cent of an average yield. Earlies lighter than late. Beans are going to be very disappointing, the last two weeks having been very unfavorable. Scarcity of peas and beans seems to be assured for the coming season.

THE crop of Long Island cabbage seed which, in the early part of the season, promised a full yield, has in many instances partially failed. The season was favorable up to July 1, when the ground had become very dry and the fields sustained a severe attack from the cabbage aphid. As a result all fields planted on light soil have ripened up prematurely and have produced only about one-third of what might otherwise have been expected. On the whole the crop, while not a failure by any means, has been rather disappointing and is not sufficient for the demand.

Elevating Boilers.

ED. AM. FLORIST:—My greenhouses are heated by steam and are in good working order, but I wish to raise the boilers thirty inches and would like to know whether it will also be necessary to raise the pipes in the houses? M.

This depends largely upon the present height of the coils above the water level of the boiler. While a distance of three or four feet is desirable, two feet will be fairly satisfactory, and if there is a distance of four and one-half or five feet between the lower ends of the coils and the water level in the boiler as now located the change proposed could be made if there are reasons that make it desirable. L. R. T.

BALTIMORE, MD.—The board of awards on August 17 divided the contract for plants needed by the park board between F. G. Burger and E. A. Seidewitz.

PRIMROSES.

IMPROVED CHINESE, ready for 3-inch pots. Well known throughout the United States and Canada as the finest large flowering fringed varieties grown. SINGLES, named, \$2.00 per 100, \$17.00 per 1000; DOUBLE, named, \$3.50 per 100. Extras added liberally to help pay expressage. PRIM-ROSE SEED of best 15 varieties, single and double, mixed, 500 seeds, \$1.00; half pkt., 50c.

CINERARIAS.

Finest large flowering dwarf varieties, mixed, ready for 3's, \$2.00 per 100.

GIANT PANSY SEED.

The very best mammoth varieties, no finer ever offered; all the seed plants critically selected. SOW TH• BEST. Packet, 3500 seeds, \$1.00; half-pkt., 50c. A packet of the grand new Dwarf Forget-Me-Not "Blue Beauty" added to every seed order. Strictly cash prices.

THE HOME OF PRIMROSES.

JOHN F. RUPP, Shiremanstown, Pa.

CHINESE... PRIMROSES

50,000 finest large flowering fringed.....1000, \$15 00; Per 100, \$1.75
 Obconica grand., fimbriata, rosea and Forbesi " 2.00
 Obconica grandiflora and rosea, ready Sept 1st.
 Asparagus { Sprengeri.....\$3.00 per 100 Pansy Seed, large flowering,
 Plumosus..... 4.00 " ounce, \$4.00
 Cinerarias, August 20.....\$2 00 per 100.

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

JOHNSON & STOKES' GIANT KINGLY PANSIES.

We have searched the world to get this strain up to its present standard of perfection, and it is now pronounced by our customers as unrivalled in size, substance of flower and richness of color. Trade pkt., 50c; ¼-oz., \$1.25; oz., \$3.00. FRESH SMILAX SEED—Per oz., 25c; per pound, \$2.50.

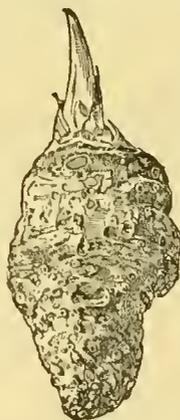
ALLEGHENY DOUBLE FRINGED HOLLYHOCK.—Our Floracraft Strain. Trade pkt., 25c; ¼ oz. pkt., 50c; per oz., \$1.50. CINERARIA.—James' Giant Strain, per pkt., 25c; ½ trade pkt. 60c; tr. pkt., \$1. CALCEOLARIA.—James' Giant strain, per pkt., 25c; trade pkt., 60c.

We are ready to hook orders for White Romans, Freesias, Callas, Paper White Narcissus, etc. JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. MCFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J



CALIFORNIA Calla Bulbs

Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

FIRST SIZE, 1¼ to 1½-in. diam., doz. 75c; 100 \$5.00.
 SELECT, 1¼ to 1½-in. diam., doz. \$1.25; 100 \$7.00.
 EXTRA SELECT, 2 to 2½-in. diam., doz. \$1.50; 100 \$9.00.

EARLY DELIVERY means much. Getting these bulbs when you want them is everything. Late surpluses at half price are not bargains.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

FREQUENT IMPORTATIONS OF BEST GRADE OF

English Mushroom Spawn

J. J. STYER, Concordville, Pa.

GLADIOLI.

MAPLESHADE COLLECTION.

Long established; unexcelled; many species, home and imported. Bulbs, cut flowers, hybridized seed; everything in my line, and the best of everything. Illustrated circular ready soon. Send for it and place your orders in season.....

WILBUR A. CHRISTY, Kinsman, O.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following Palms in fine condition: KENTIA FORSTERIANA, per 1000, \$4.00; 5000 to 10,000 at \$3.50; 10,000 and over at \$3.00. Also CYCAS REVOLUTA STEMS in assorted sizes, 3 lbs. to 12 lbs., at \$8.00 per 100 lbs., while unsold.

J.M. THORBURN & CO.

(Cote of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Bulbs! Bulbs!!

EXCELSIOR PEARL TUBEROSE and CALADIUM ESCULENTUM. Fine crop for 1900.

JNO. F. CROOM & BRO., Growers, MAGNOLIA, N. C.

American Florist Advertisements Pay Advertisers.

SEASON 1900-1901.

CAPITAL . . . \$10,000.00



To the Grower :

We want to call attention to our large increase in trade, and are contracting more help and building more counter surface to handle our increase. Still, with all, we want "new growers," but we want them to begin with the dull season or at the opening of the season, September 1st to October 1st.

A few facts: Shippers who expect best returns ought to SHIP US, for we have a business of long standing and trade built up We pay all growers each week with statements, no matter how much we have to trust out. Having capital we can afford to carry accounts in the interest of the producer.

All we ask is a season's trial, and we can PROVE we can do by you as good and a little better than you have been doing, and, as above stated, the "CASH" each week. Come in and see us; have a talk, and we will convince you that if you are to change Brokers, we are open to handle all No. 1 stock we can get this season.

Yours respectfully,

FLINT KENNICOTT, President.
G. H. PIESER, Secretary.
ED. E. PIESER, Treasurer and Gen'l Manager.
L. P. KELLY, Salesman.
STEVE MINON, Salesman.
WM. P. KYLE, Foreman.
GEO. R. SCOTT, Packer.
G. H. PIESER, Jr., Packer.
Errand-boys and wire-workers.

Kennicott Bros. Co.,

42 and 44 Randolph Street,
Chicago.

SOUTH PARK FLORAL CO.

:: NEW CASTLE, INDIANA ::

Growers of the **FINEST** American
Beauties, Brides and Bridesmaids
coming to the Chicago Market :: ::

We Consign to E. C. AMLING, 32 RANDOLPH ST., CHICAGO.

IF YOU PLEASE, Jus a moment to tell you that my Stock contains the best the Philadelphia market affords in Cut Flowers. My personal attention given to all orders. Consignments of first-class Stock solicited.

GEORGE M. MOSS, Wholesale Florist,

TELEPHONE

No. 32 South 17th. St., PHILADELPHIA.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
 THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
 GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

P. J. BERCKMANS was recently elected president of the Georgia State Horticultural Society.

The horticultural department of Cornell University has secured the services of Prof. John Craig, of Ames, Iowa.

THE Jackson & Perkins Co., Newark, N. Y., is investigating the value of evaporated sewage from cities as a fertilizer.

Orlando Harrison.

The business manager of the big nurseries of J. G. Harrison & Sons is Hon. Orlando Harrison, Mayor of Berlin, Md., and one of the young, active workers in



ORLANDO HARRISON

the ranks of the American Association of Nurserymen. Mr. Harrison was born in Sussex county, Delaware, thirty-three years ago. In 1884 the family moved to Berlin, where the father and sons have since grown nursery stock, starting in a small way but making a specialty of peach trees, strawberry plants and asparagus roots; recently they have gone extensively into apple and pear trees. Beginning with one farm of 170 acres they now own six of the choicest tracts in the vicinity and their annual list of budded peach trees exceeds any in the country. Mr. Harrison is a student of modern conditions and, although San Jose scale has never been found in his county, he was one of the first in the country to adopt fumigation with cyanide and is one of the staunchest advocates of inspection, not political farce but real, conscientious, protective inspection by an untrammelled man who knows a scale from a tumble bug. Aside from the manifold requirements of the practice of horticulture Mr. Harrison has the time to be mayor of his city, vice-president of a bank, a director of a building and loan association, a loving husband and an indulgent father.

WHEATON, ILL.—A. T. Peterson is building a new greenhouse.

SEND FOR TRADE LIST NOW READY, OF

Tree and Shrub Seeds, Tree Seedlings, Etc.

J. H. H. BOYD, Gage, Sequatchie Co., Tenn.

“PLANT CULTURE” By GEORGE W. OLIVER.
 Now Ready for Delivery.

A Working Handbook of Every-day Practice for the Florist, Gardener and Nurseryman
 And all who grow plants and flowers in the greenhouse or garden. Contains separate chapters on all branches of the work.

12mo., Price \$1.00 by Mail Postpaid. For full description see advt. in Aug. 18th issue of this paper, page 114.

or send for complete circular to THE FLORISTS' EXCHANGE, P. O. Box 1697, New York



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years, 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

SOMETHING NEW in

Louis Gauthier Strawberry LINE.

Recommended by French Horticultural Congress, also by several expert florists as one of the most useful plants in this line.

Its fruit is immensely large, bearing fruit all the time; delicious, fine flavor. Have a small quantity left; as long as they last you can have them for \$1000 per dozen.

Also beautiful ROSE BUSHES from 20c to \$100.00 per bush.

A good, practical, experienced florist of years' experience seeks a permanent position as florist, who at present is employed by a first-class nursery.

Address, in both cases,

Alex Gobocz, Box 221, Painesville, O.

Send for our Price List. We have a fine stock, for fall delivery, of

Field Grown Roses, Clematis, 2 yrs. old, strong;
 Flowering Shrubs, fine assortment,
 Ornamental Trees, Conifers.

To avoid disappointment, order now a supply of

ROSE-STOCKS FOR GRAFTING.

(Prices delivered in this country). Rosa Manetti, \$12 per 1000. Rosa Polyantha, \$8 per 1000. Rosa Laxa (Froebeli), \$8.50 per 1000. The stocks most largely used by European growers for grafting tea roses.

Our representative, Mr. J. Austin Shaw, will be at the Convention and will be pleased to quote prices upon any wants in our line.

JACKSON & PERKINS CO., Newark, New York.

WRITE US

For prices on the following Everblooming Roses in 4 in. pots, healthy and well grown. Bride, Bridesmaid, Golden Gate, Kaiserin Augusta, La France, Meteor, Mme. Caroline Testout, Perle des Jardins, Papa Gontier, Safrano, President Carnot, Muriel Graham, Souv. de Wootton, by the hundred.

MAPLE AVE NURSERIES HOOPES, BRO. & THOMAS, West Chester, Pa.

Collected Seedlings.

Am. Linden, Am. Beech, Sugar Maple, Scarlet Maple, Magnolia acuminata, Magnolia tripetala, White Flowering Dogwood, Yellow Wood, Leather Wood, Spice Wood, Sweet Gum, Tulip Poplar, Red Bud, Water Beech, Hackberry. Please ask for prices on all kinds of Tree and Shrub Seeds and Seedlings.

TAYLOR PERRY, JR., & CO., Roleta, Tenn.

It is good business policy to mention the

...American Florist

when you write to an advertiser.

ROOT PRUNED

Evergreens,

FOR AUTUMN PLANTING.
 FINELY ROOTED.

5000 NORWAY SPRUCE, 3 1/2 to 5 feet.
 5000 HEMLOCK SPRUCE, 3 feet and over, very bushy, compact and fine.
 25,000 RETINOSPORAS in variety, from 1 to 6 ft.
 COLORADO BLUE and ORIENTAL SPRUCE, PINES and ARBORVITIS in great variety; in good condition for transplanting either in lawns, parks or cemeteries. LARGE SPECIMENS for immediate effect.
 SMALL EVERGREENS and EVERGREEN SHRUBS for window boxes a specialty. The SUCCESS with which our root pruned Evergreens have been moved is PROVERBIAL. FAILURES seldom occur. A personal inspection is invited.

The Wm. H. MOON CO.

Glenwood Nurseries, & 702 Stephen Girard Bldg., MORRISVILLE, PA. PHILA., PA.

60 Miles from New York City.
 30 Miles from Philadelphia.

Please mention the American Florist when writing.

Möller's Deutsche Gärtner-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

A New Catalogue entitled

Flowers and Floral Designs.

Twelve pages and handsome cover. Shows forty-one arrangements, with prices. For agents' use, or promoting out-of-town trade.

Sample, 40c in Stamps. Circular Free.

DAN'L B. LONG, Publisher, BUFFALO.

PALMS

— AND —

Boston Ferns

WHENEVER IN NEED OF THIS CLASS
OF STOCK DO NOT PLACE YOUR
ORDER UNTIL YOU HAVE WRITTEN TO
US. WE ARE OFFERING EXCELLENT
VALUES : : : : : : : : : : : : : : : :

Walter Retzer & Co.,

Wholesale Growers of PALMS,
FERNS and RUBBER PLANTS.

2045--59 Clarendon Ave, (North Halsted St.)

CHICAGO, ILL.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

The Chief of the Bowlers.

At the meeting of the Florists' National Bowling League, Wm. Scott, of Buffalo, was chosen to the presidency, succeeding Robert Kift, of Philadelphia. Mr. Scott is so well known that comment on his qualifications for the position is quite unnecessary. Most of our readers will recognize the likeness of the accompanying portrait.

The Gunners' Contest.

On Thursday afternoon the gunners' contest brought out four teams, making scores as follows: Philadelphia, 92; Buffalo, 57; Cleveland, 53; New York, 33. Following are the individual scores:

PHILADELPHIA.			
Wm. K. Harris	.....17	Geo Anderson	.....16
A. B. Cartledge	.....17	John Burton	.....16
E. Reid	.....17	W. H. Taplin	.....9
BUFFALO.			
W. Beard	.....19	W. Webber	.....8
Wm. Scott	.....10	T. B. Braik	.....7
W. B. Scott	.....9	W. F. Kasting	.....6
CLEVELAND.			
T. Meehan	.....12	Adam Graham	.....9
Jno Buros	.....11	J. Warneke	.....6
H. M. Alteck	.....11	G. A. Rackham	.....4
NEW YORK.			
F. H. Steffens	.....13	Theo. Roehrs	.....4
G. Schultzeis	.....7	D. Y. Mellis	.....3
W. J. Elliott	.....5	L. Schmutz	.....1

The Bowling Contest at New York.

Not only did Buffalo capture the convention of 1901, but she won in the bowling contest, taking first place in the warmest battle ever waged on the alleys at an S. A. F. convention. The arrangements for "bowling day" were as complete as were those for any other period of convention week and the fact that the Palace Bowling Alleys, One Hundred and Twenty-fifth street and Third avenue, were thronged by wildly enthusiastic, vociferous representatives of the various cities which had entered teams did not interfere in the least with the precision with which the great match was conducted, although the bedlam of voices served to send more than one player "up in the air" at critical moments.

There were eleven teams present, girded for the fray, and out of the thunder of the rolling balls, the crashing pins, came many surprises, such, for instance as when Kasting, of Buffalo, put up 228. Chicago started out to win and made the high score in the first game, 924, but, just as in the contest for the convention of next year, but for a different reason, she was compelled to retire in favor of the city with the bison trade mark.

It was a great contest from start to finish and interest and enthusiasm ran high. The Philadelphia redoubtables upheld their record for the first game, but then it looked like as though every bit of silverware was bound Chicago-ward. It was the third game which told the story; Buffalo, 1021; Chicago, 887. Buffalo gets the Lord & Burnham, the Hitchings and the Wood cups and the Detroit trophy. Chicago must be con-

tent with the Queen of Edgely vase. Kasting gets the cream of the individual trophies.

The following are the complete scores for the contest:

BUFFALO.				
Player	1st	2d	3d	Total
A. B. Scott	.....89	151	143	383
McClure	.....125	133	133	391
Kasting	.....181	175	228	584
Braik	.....176	118	168	462
Webber	.....150	157	202	509
Wm. Scott	.....152	147	147	446
Team totals	.....873	881	1021	2775
CHICAGO.				
Player	1st	2d	3d	Total
G. Stollery	.....177	152	152	481
F. Stollery	.....178	149	112	439
Hauswirth	.....122	145	145	412
Degnan	.....126	167	150	443
Winterson	.....118	152	181	451
Asmus	.....203	153	147	503
Team totals	.....924	918	887	2729



WM. SCOTT.

President National Florists Bowling League.

NEW YORK.				
Player	1st	2d	3d	Total
O'Mara	.....133	138	150	423
Traendly	.....149	143	134	426
Manda	.....145	141	132	418
Roehrs	.....150	185	160	495
Ehrلمان	.....144	161	175	480
Lang	.....143	130	169	442
Team totals	.....876	898	920	2694
FLATBUSH.				
Player	1st	2d	3d	Total
Mellis	.....139	177	150	466
Zeller	.....127	145	157	429
Schmutz	.....129	179	116	424
Raynor	.....146	165	167	478
Dalledouze	.....134	145	150	429
Riley	.....149	129	189	467
Team totals	.....824	940	929	2693
BALTIMORE.				
Player	1st	2d	3d	Total
Richmond	.....125	213	136	474
Boone	.....134	189	154	477
Lehr	.....147	145	98	400
Webber	.....152	159	136	447
Binder	.....104	118	207	429
Seybold	.....154	132	151	437
Team totals	.....816	966	882	2664
PHILADELPHIA.				
Player	1st	2d	3d	Total
Moss	.....155	109	122	386
Connor	.....149	141	167	457
Harris	.....143	167	125	435
Anderson	.....132	165	110	407
Habermehl	.....143	107	131	381
Walker	.....185	143	165	493
Team totals	.....907	832	820	2559

DETROIT.				
Player	1st	2d	3d	Total
Breitmeyer	.....156	150	134	440
Pantke	.....144	120	142	406
Beard	.....145	99	154	398
Dunn	.....167	132	132	431
Ferguson	.....132	115	159	406
Hulzoagel	.....127	143	153	424
Team totals	.....871	760	874	2505
PITTSBURG.				
Player	1st	2d	3d	Total
J. W. Ludwig	.....167	141	126	434
E. C. Ludwig	.....165	139	129	433
Neff	.....125	198	103	416
Loew	.....120	167	110	407
Baldinger	.....85	123	152	360
Schrenbush	.....151	126	82	359
Team totals	.....813	894	702	2409
MILWAUKEE.				
Player	1st	2d	3d	Total
Pollwoth	.....139	120	128	387
Edlesen	.....168	142	103	413
Zwei el.	.....126	103	142	371
Klokner	.....162	166	124	452
Kennedy	.....106	135	117	358
Hunkel	.....156	117	142	415
Team totals	.....857	783	756	2396
CLEVELAND.				
Player	1st	2d	3d	Total
Esdie	.....135	156	153	444
A. Graham	.....85	107	131	323
H. Hart	.....97	125	97	319
Cushman	.....100	149	141	390
B. Hart	.....106	167	113	386
C. Graham	.....169	159	159	487
Team totals	.....692	863	794	2349
BOSTON.				
Player	1st	2d	3d	Total
Foster	.....109	112	74	295
Fletcher	.....115	117	98	330
Martin	.....84	102	126	312
Butterworth	.....71	80	92	243
Malloy	.....78	101	101	280
Sutherland	.....138	124	162	424
Team totals	.....595	636	653	1884

INDIVIDUAL GAMES.

Following are the scores compiled by those outside the great bowling battle of the day:

Player	Score	Player	Score
D. J. Scott	.....181	Gilkinson	.....126
Wilcox	.....177	Burns	.....125
Kift	.....169	Langjahr	.....113
Siebenheller	.....165	Shaw	.....111
Donaldson	.....159	Balluff	.....111
G. C. Watson	.....147	Long	.....100
Hayatt	.....144	Stephens	.....97
Keuhn	.....135	Kohlert	.....93
R. Watson	.....128	Birnie	.....85
Phillips	.....127	Krick	.....60

THE LADIES' CONTEST.

There were three trophies and three contestants in the ladies' section. Here are the scores:

Player	Score
Miss Eastman	.....86
Mrs. Wuterson	.....81
Mrs. Langjahr	.....68

LIST OF THE TROPHIES.

The following is a list of the prizes for which the bowlers battled:

LIST OF TEAM TROPHIES.

- The Lord & Burnham cup, to the club making the highest total in three games.
- The Hitchings & Co. cup, to the club making the highest score in the third game.
- The Queen of Edgely trophy, to the club making the highest total score in the first and second games.
- The Edmund M. Wood cup, to the club making the highest total score in three games.
- The Detroit trophy, to the club making the highest score in any one game.
- All the above must be won twice to become permanent property.

INDIVIDUAL PRIZES IN TEAM CONTESTS.

- Silver cup, donated by Theo. J. Lang, New York, to the man making the highest average in three games
- Silver cup, donated by Traendly & Schenck, New York, to the man making the highest score in any of the team games.
- Gold medals, donated by Theo. Roehrs, New York, to man making second high average and to man making third high average.
- Gold mounted fountain pen, donated by J. K. Allen, New York, to man making greatest number of strikes.
- Box of cigars, donated by F. Brukama, Sixth avenue and Fifty seventh street, New York, to man making greatest number of spares.

The American Florist Company's
TRADE DIRECTORY

IS THE ONLY PUBLICATION WHICH GIVES

Complete lists of the Florists, Nurserymen
and Seedsmen of the United States and
Canada, corrected annually and
arranged both alphabeti-
cally and by states
and towns.

NEW FEATURES

Added in the edition for 1900 are lists of the gardeners or
superintendents of private estates, experiment station
horticulturists, landscape architects and
horticultural supply concerns.

THIS INDISPENSABLE VOLUME OF 387 PAGES, BOUND
IN BOARDS, IS DELIVERED POSTPAID ON RECEIPT OF **\$2.00.**

AMERICAN FLORIST CO.

324 Dearborn Street,

CHICAGO, ILL., U S. A.

One-Half Million Ferns

Our stock of FERNS this season is larger and in better shape than ever, while the assortment is the best we ever offered.

Now is a good time to lay in a supply for fall and winter use; the plants are all open frame grown and are well hardened, and in prime condition to ship.

Special Low Prices on Ferns in lots of 2000 or more.

NEPHROLEPIS EXALTATA BOSTONIENSIS

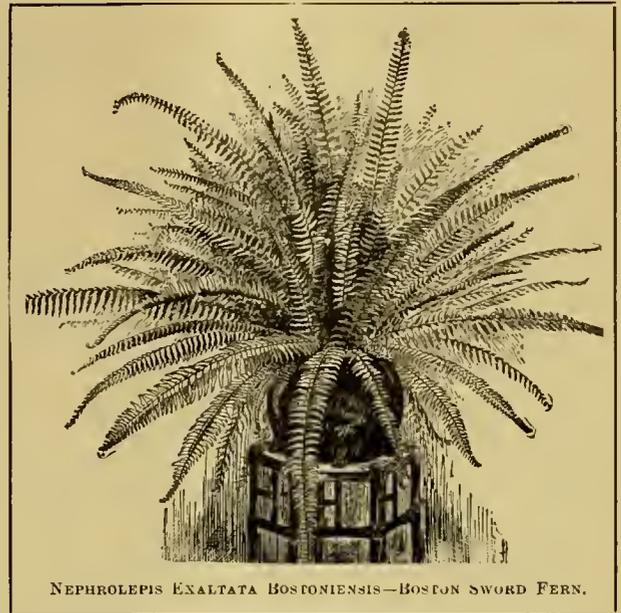
(Boston Sword Fern.)

We have a fine stock of this most popular variety.

2 1/4-inch pots.....75c per dozen; \$ 5.00 per 100; \$40.00 per 1000
7-inch pots.....\$9.00 " 75.00 "

General Collection of Fine Ferns

	Inch pots	Per 100	Per 1000
Adiantum Emulum.....	2	\$ 5.00	\$40.00
Aneitense.....	3	12.00	
Bausei.....	3	12.00	
Capillus-Veneris Mariesii.....	4	15.00	
Coccinnum.....	2	4.00	
Cuneatum.....	2	4.50	30.00
" Variegatum.....	3	6.00	50.00
" Grandiceps.....	2	3.50	30.00
".....	4	15.00	
".....	2	4.00	35.00
Decorum.....	2	4.00	35.00
Formosum.....	2	5.00	50.00
Farleyense.....	3	15.00	
".....	5	70.00	
Gracillimum.....	2	4.00	35.00
".....	4	15.00	
Legrandi.....	2	5.00	
".....	5	15.00	
Bellum.....	2	5.00	40.00
Mundulum.....	2	5.00	
Pubescens.....	2	3.50	30.00
Rhomboidum.....	3	10.00	
".....	4	15.00	
Rhodophyllum.....	2	5.00	
".....	3	8.00	
".....	2	5.00	40.00
Wiegandi.....	4	12.00	
Alsophila Australis.....	2 1/4	8.00	
Asplenium Obtusilobum.....	3	8.00	
Blechnum Occidentale.....	2 1/4	4.00	35.00
" Rubrum.....	3	6.00	
Cytomium Falcatum.....	2 1/4	4.00	35.00
Fortunei.....	2 1/4	4.00	35.00
Caryotidium.....	2 1/4	5.00	40.00
Davallia Fijiensis Plumosa.....	3	15.00	
" Stric a.....	2 1/4	4.00	35.00
Diclyogramma Japonica.....	3	10.00	
" Japonica Variegata.....	3	15.00	
Dicksonia Antarctica.....	2 1/4	6.00	
Gymnogramma Sulphurea.....	2 1/4	5.00	



NEPHROLEPIS EXALTATA BOSTONIENSIS—BOSTON SWORD FERN.

	Inch pots	Per 100	Per 1000
Lastrea Aristata Variegata.....	2 1/4	\$4.00	\$35.00
Chrysoioba.....	2 1/4	4.00	35.00
Opaca.....	2 1/4	4.00	35.00
Lomaria Ciliata.....	2 1/4	4.00	35.00
Gibba.....	2 1/4	4.00	35.00
Lygodium Scandens.....	2 1/4	6.00	
".....	4	15.00	
Dichotomum.....	3	10.00	
".....	3	6.00	
Microlepia Hispida.....	5	15.00	
Nephrolepis Pectinata.....	2 1/4	4.00	35.00
Nephradium Hertipes.....	4	15.00	
Niphobolus Lingua.....	2 1/4	4.00	35.00
Onychium Japonicum.....	2 1/4	5.00	40.00
Platyoma Falcata.....	2 1/4	4.00	35.00
Polypodium Aureum.....	2 1/4	6.00	50.00
Polystichum Coreaceum.....	2 1/4	5.00	40.00
Setosum.....	2 1/4	3.00	25.00
Pteris Adiantoides.....	2 1/4	3.50	30.00
" Argyrea.....	2 1/4	3.50	30.00
" Cretica Albo Lineata.....	2 1/4	6.00	50.00
" Mayii.....	2 1/4	3.50	35.00
" Magnifica.....	2 1/4	4.00	35.00
" Wimsetti.....	2 1/4	4.00	35.00
Drinkwateri.....	2 1/4	3.50	30.00
Hastata.....	2 1/4	3.50	30.00
Internata.....	2 1/4	3.50	30.00
Leptophylla.....	2 1/4	3.50	30.00
Ouvrardii.....	2 1/4	3.50	30.00
Serruata.....	2 1/4	3.00	25.00
" Voluta.....	2 1/4	3.50	30.00
Sieboldi.....	2 1/4	3.50	30.00
Palmata.....	2 1/4	3.50	30.00
Sitobium cicutarium.....	2	3.50	30.00
Selaginella Emiliana.....	2 1/4	3.00	25.00
MIXED FERNS, our selection.....	3	6.00	50.00

For a full line of DECORATIVE PLANTS and other SEASONABLE STOCK see our current QUARTERLY TRADE LIST, of which a copy will be mailed on application, if you have failed to receive one.

Invitation.

Florists attending the Convention in New York are cordially invited to visit our establishment at Riverton, N. J. Our representatives will be found in Convention Hall, and will gladly give information as to the best way to reach Riverton.

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

Please mention the American Florist when writing.

They are Fine;

None better. We offer if unsold on receipt of order.

	100	1000
2100 Bridesmaid.....	in 4 -in. pots \$4.00	\$35.00
1000 ".....	3 1/2 " 4.00	35.00
1720 ".....	3 " 3.00	25.00
500 ".....	2 " 2.00	20.00
300 Brides.....	4 " 4.00	35.00
200 ".....	3 1/2 " 4.00	35.00
3500 ".....	3 " 3.00	25.00
1200 ".....	2 " 2.00	20.00
3000 Meteors.....	3 " 2.50	25.00

	100	1000
500 Mme. Chatenay.....	in 4 -in. pots \$4.00	
100 ".....	2 " 2.00	
125 Mme. Cusine.....	4 " 3.50	
250 Lady Dorothea.....	4 " 4.00	
150 ".....	2 1/4 " 2.50	
2000 Golden Gate.....	2 1/4 " 2.50	25.00
700 Maid of Honor.....	4 " 3.00	
700 ".....	2 1/4 " 2.00	

500 J Brides and Maids in 3 and 4-in pots. These are carried over stock; they are good. We offer them at \$12.00 per 1000.

	3-in. pots	\$12.00 per 100
Latania Barbonica.....	4	20.00
Areca Lutescens.....	3	12.00
Cocos Weddelliana.....	6	25.00
Asparagus Sprengerii.....	4	8.00
".....	3	6.00
".....	2	3.00

Ficus Elastica, 6 in. pots.....75c to \$1.50 each.
Boston Fern, 8-in. pots.....\$25.00 to \$35.00 per 100
Plants are vigorous and unusually fine. Will be carefully packed, and we guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

Boston Ferns.

LARGE STOCK. FINE PLANTS.
Per 100 2 1/4-inch, \$4.00; 4-inch, \$10.00; 6-inch, \$25.00
NEPHROLEPIS CORDATA COMPACTA.
Per 100 2 1/4-inch \$3.00; 4-inch, \$8.00.

H. KADEN, Gainesville, Texas.

Please mention the American Florist when writing.

Geranium America...

The QUEEN of all Geraniums
Come and see.
3000 plants in full bloom. Good, strong stock plants from 4-inch pots.

\$2.50 per doz. \$20.00 per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

Please mention the American Florist when writing.

SPECIALTIES

IN BEST...VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.

Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.
Please mention the American Florist when writing.

St. Louis.

WEATHER AND CROPS.—SOME GOOD ROSES OBTAINABLE.—THE TRADE ROSTER CUT DOWN.

As far as has been reported, no comments worthy of note can be made regarding state of business this week. The thermometer still keeps well up to 100° and we have had no rain for about four weeks. A drive through Forest Park on Sunday found the flower beds in very good condition in consideration of the weather, but the grass in many parts of the park is almost completely burned out. This is also the case with a large number of our city lawns.

An occasional lot of vincas is seen among the retailers. Roses are in very bad shape but some good Kaiserins and Meteors are obtainable. Beauties are scarce and of course, with very small stems. Gladioli are about done for. Tuberoses hold up quite well, both in receipts and demand. The bulk of the carnations seen are scarcely worthy of their name, and asters are taken in preference to them.

A. Siegel, who previously occupied a stand in the Wolff-Wilson drug store, has vacated for the summer months.

The Art Floral Company, located on Morgan street, near Taylor avenue, has gone out of business. M.

WESTERLY, R. I.—S. J. Reuter's plans include the erection of 20,000 feet of glass this season.

SPENCER, MASS.—A. W. Hoyle was held up by two highwaymen on the night of August 4. A man has been arrested in Charleston, charged with being the assailant and has been identified by Mr. Hoyle.

American Beauty Plants,

FINE, CLEAN STOCK. From 1 and 5-in. pots..

From 12 to 15-in. high.....\$ 7.00 per 100
From 15 to 20-in. high..... 10.00 per 100

JOHN WALZ, 523 Central Pk., Rochester, N. Y.

WE STILL HAVE TO CLOSE OUT Cheap

2500 Maids, 2½-in.. 500 La France, 2¼-in.,
1000 Perles, 2¼-in., 1000 Meteors, 3-in.,
500 Am. Beauties, 2-½-in., 1000 Kaiserin, 2-in.

Boston Ferns now ready for 5 and 6-in. pots.
WRITE FOR PRICES. Geo. A. Kuhl, Pekin Ill.

ROSES

1800 Brides, } 3-in., \$4 per 100
300 Maids, }

CASH WITH ORDER, PLEASE.

ALBERT F. AMLING, Maywood, Ill.

3,000 Meteor Plants.

3¼-inch pots per 100, \$3.00; per 1000, \$25.00. Big, strong and in prime condition. Although the season is well advanced with these plants there is a reasonable chance of success.

BRANT & NOE, Forest Glen, Chicago, Ill.

ROSES

CLEAN, HEALTHY PLANTS. FROM 3-INCH POTS.

American Beauty and Kaiserin.....\$6.00 per 100
Perle and LaFrance..... 5.00 "
Meteor, Albany, Sunset, Golden Gate,
Bride, Bridesmaid, Wootton..... 4.00 "
Perle, Sunset, LaFrance, Bride,
Bridesmaid, Meteor, Kaiserin and
Golden Gate, from 2-inch pots..... 2 50 "

JOSEPH HEINL, Jacksonville, Ill.

10,000 American Beauty Plants,

FINE STOCK, FROM 3-IN. POTS,

\$5.00 per 100 * \$40.00 per 1000.

	Per 100	Per 1000
Kaiserin, 3-inch pots.....	\$4 00	\$35.00
Golden Gate, 2½-inch pots.....	4.00.	35.00
Bridesmaid, Meteor, 3-inch pots.....	4 00	35.00

150,000 Carnation Plants.

Strong, healthy, field-grown plants ready for delivery the first week in September. Write for prices.

PETER REINBERG, 51 Wabash Ave.,CHICAGO.

FIRST QUALITY FORGING ROSES.

REDUCED PRICES TO CLOSE OUT.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

AMERICAN BEAUTY, METEOR, KAISERIN, SAFRANO, BRIDESMAID, BON SILENE, PERLES, MAID OF HONOR, BRIDE.

3-inch pots, \$5 00 per 100. 4-inch pots, \$8 00 per 100.

GRAFTED ROSES. Maid of Honor, Golden Gate, 3¼-inch pots, \$15.00 per 100. Liberty, 4-inch pots, \$8 00 per dozen, fifty plants for \$24.00.

J. L. DILLON, BLOOMSBURG, PA.

STRONG SELECT 3-INCH ROSES.

Special price to sell. Strong enough to bloom soon. Will make you money. Per 100 Per 1000
10,000 MAIDS and BRIDES.....\$4.00 \$35.00
3,000 PERLES..... 5.00 45.00

* This stock is well worth \$6 00. We guarantee it to give satisfaction.

W. H. GULLETT & SONS, Rose Growers, LINCOLN, ILL.

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MOROAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch. MARIE LOUISE VIOLETS, from 2½ and 3-inch pots, \$25.00 to \$3.00 per 100; \$25.00 to \$30.00 per 1000. A. S. MacBEAN, LAKEWOOD, N. J.

NEW SEEDLING ROSE

WINNIE DAVIS.

This grand rose should be grown by every florist as a pot plant, or for forcing, being a cross between Kaiserin Aug. Victoria and Belle Siebrecht. Color, apricot pink, shading to a flesh tint; odor of a most delicious ripe fruit. Shape being oblong and well formed, when fully open resembling a sunburst, which is most striking and beautiful. A very free and vigorous grower and bloomer. Color never changes in dark weather like most colored roses. Magnificent light green glossy foliage. Strong thrifty plants, 2½-in. pots, \$5.00 per doz.; \$25.00 per 100.

JASMINES.

Jasminums: Maid of Orleans, Grand Duke, Graediflora, Samhac or Arabian, Revolution, strong thrifty plants, 3-inch pots, \$6 00 per 100.

Address NANZ & NEUNER.

582 Fourth Ave., LOUISVILLE, KY.

TO CLOSE OUT.

500 American Beauties, 2¼-in., \$5 00 per 100, or \$20.00 for the 500.
2000 Kaiserin, 2000 Golden Gate, 2000 Bridesmaid, 1000 Meteor, 500 Garrett, 500 Bride, 500 Perle, 500 Mermet, 3 and 3¼-in., \$3.00 per 100, or \$25.00 per 1000.

These are Fine Plants. Cash With Order. MRS. J. W. CROUCH, Chattanooga, Tenn.

ROSES

	2¼-inch. Per 100 Per 1000	3-inch. Per 100 Per 1000
Brides.....	\$3.00 \$25.00	\$5.00 \$45.00
Maids.....	3.00 25.00	5.00 45.00
Cloth Souper.....	3.00 25.00	5.00 45.00
Meteor.....	3.00 25.00	5.00 45.00
Am. Beauty.....	.....	8.00 75.00

	Per 100	Per 1000
Mixed Jardiniere Ferns, mostly pteris varieties.....	\$3.00	\$25.00
Asparagus Sprengerii, 2½-in.....	4.00	35.00
Piumosus.....	6.00	55.00
Adiantum Farleyense, fine stock, 6-in. pots, 50c each		Per 100
Smilax, 3-inch.....	\$ 4 00	
Dracæna Terminalis, 4-inch.....	15.00	
Phoenix Canariensis, elegant stock, 4½ to 5-inch		20.00
Chamærops Excelsa, 5-inch		25.00
		20.00

J. B. HEISS,

The Exotic Nurseries, DAYTON, O.

Please mention the American Florist when writing.

Rose Plants.

First class, healthy Plants To close out we quote the following low prices:
500 Beauties..... 3-inch, \$4.00 per 100
1000 Perles..... 3 " 3.00 "
1000 Meteors..... 3 " 3.00 "
800 Bridesmaids..... 3 " 3.00 "
400 Brides..... 3 " 3.00 "
A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago.

TELL THEM WHERE YOU SAW THE AD.

Providence.

VETERAN FLORIST RETIRES IN FAVOR OF ONE WHO HAS GROWN UP IN THE BUSINESS.—VARIOUS NOTES.

Walter S. Hogg has sold his business to Theo. R. Peterson, but the stand will still be known as The Hogg Greenhouses. Mr. Hogg has been in the business on Benefit street since the year 1866, and will be missed for his genial manner and kindly feeling toward the craft. Mr. Peterson, his successor, is a gentleman well liked and follows closely in his predecessor's wake. He has been with Mr. Hogg since he was a lad and has worked his way on to the proprietorship of the business.

Many growers have begun to house their carnations that they may receive a sufficient supply of water to invite growth.

There are plenty of flowers except real good roses for funeral work. Everything is burning up for want of rain.

Mr. Butcher is rebuilding two of his houses and making a general overhauling.

The aster beetles have come to town and their annual banquet has begun.

Timothy O'Connor is about again and attending to business as usual.

LITTLE RHODY.

MERRIMAC, MASS.—L. Whittier, of Merrimacport, has purchased the greenhouse of Chas. Davis, who is soon to leave town.

DAYTON, O.—Mr. Matthews, of the Dayton Floral Co., has the prospects for fall warrant him in adding two new houses and installing another boiler.

Good Strong Stock.

	Per 100
5,000 Mixed Geraniums.....	2 1/4 in. \$ 1.50
2,000 Named Geraniums.....	2 1/4 " " 2.00
5,000 Chinese Primroses, white, red, pink and blue.....	2 1/4 " " 2.00
2,000 Begonias, mixed.....	2 1/4 " " 1.50
1,000 Red Verbena.....	2 1/4 " " 1.50
1,000 Erfordi.....	2 1/4 " " 1.50
1,000 Asparagus Sprengerii.....	3 " " 6.00
500 Nice Rex Begonias, mixed.....	4 " " 10.00
Calla Bulbs.....	1 1/2 " " 7.00
Mixed Ferns, strong plants.....	4 " " 10.00
Pansy Seed, Giant and Fancy mixed, per oz.	4.00

The Morris Floral Co., MORRIS, ILL.

Please mention the American Florist when writing.

Asparagus Plumosus Nanus.

TRANSPLANTED seedling plants for July and August delivery, ready for 2 1/4-in. pots, at \$3.00 per 100, \$25.00 per 1000; 500 at thousand rates, (free delivery).

CASH WITH ORDER, PLEASE.

R. ASMUS, New Durham, N. J.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Violets.

BIG BARGAIN. 20,000 Marie Louise; 5,000 Swanley White, not a blemish of disease, grand plants, \$15 per 1000.

LINDSAY, The Florist, BIRMINGHAM, ALA.

100,000 Carnation Plants.

WHITE VARIETIES	
Flora Hill.....	\$5.00 per 100
White Cloud.....	7.00 "
Evelina.....	5.00 "
Lizzie McGowan.....	4.00 "
Mary Wood.....	4.00 "
John Young.....	5.00 "
YELLOW VARIETIES	
Eldorado.....	4.00 "
Mayor Plogree.....	5.00 "

PINK VARIETIES	
Daybreak.....	4.00 per 100
Mrs. F. Joost.....	5.00 "
Albertina.....	5.00 "
Argyle.....	5.00 "
Triumph.....	5.00 "

CRIMSON VARIETIES	
Gen. Gomez.....	8.00 "
Empress.....	5.00 "

RED VARIETIES	
G. H. Crane.....	8.00 per 100
Jub lee.....	6.00 "
Bon Ton.....	5.00 "
YELLOW VARIEGATED	
Manila.....	5.00 "
VARIEGATED VARIETIES	
Helen Keller.....	5.00 "
Armaz edy.....	5.00 "

MY STOCK IS EXTRA FINE.

I WOULD BE PLEASED TO RECEIVE YOUR ORDER.

Rockford Seed Farms, Forest City Greenhouses.

H. W. BUCKBEE, ROCKFORD, ILL....

25,000 Carnations 25,000

FIELD GROWN PLANTS OF THE FOLLOWING VARIETIES:

15,000 Flora Hill.....	\$ 5.00 per 100	2,000 Eldorado.....	4.00 per 100
4,000 White Cloud.....	8.00 "	1,000 Wm. Scott.....	4.00 "
1,000 Mrs. Bradt.....	10.00 "	1,000 Daybreak.....	5.00 "
1,000 G. H. Crane.....	10.00 "	500 Emily Pierson.....	4.00 "
1,000 McGowan.....	4.00 "		

These Plants are all in first-class condition, good size and healthy stock. Write me if you are in need of a large quantity.

CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

CARNATION PLANTS FOR SALE.

25,000 Carnations at \$3.50 to \$5.00 per 100; \$28 to \$38.00 per 1000 Flora Hill, McGowan, White Daybreak, Scott, Cerese Queen, Victor, Eldorado and others.

STEAM PIPE WANTED.

I will take in exchange for Carnation Plants, 800 to 1200 feet of 1-inch to 3-inch, and 150 feet of 4-inch new or second-hand Steam Pipe. State price and condition.

W. H. WATSON, Lapeer, Michigan.

Herr's = = Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment.

Plants only, and ready October 1st to January 1st.

FREE BY MAIL,

75c per 100, 250 for \$1.50; 500 for \$2.50.

By Express at Your Expense, \$4 per 1000.

ALBERT M. HERR LANCASTER, PA.

Marie Louise Violets

CLEAN, HEALTHY, POT GROWN PLANTS,

\$4.00 per 100 * \$30.00 per 1000

L. L. MAY & COMPANY, ST. PAUL, MINN.

Farquhar Violets.

Free from disease of any kind.

\$6.00 per 100; \$50.00 per 1000.

JOHN MCFARLAND, North Easton, Mass.

PANSIES

THE JENNINGS STRAIN of Show and Fancy Pansies. New Crop Seed Now Ready.

My 1900 strain is of the highest standard and cannot be excelled by any. Finest mixed, 2500 seeds, \$1.00; 1/2-oz., \$2.50; oz., \$5.00. Yellow, white, blue and black, in separate colors, 50c per pkt., post-paid by mail. Small Pansy Plants, 60c per 100 by mail. Cash with order.

E. B. JENNINGS, Grower of The Floest Pansies, Lock Box 254, SOUTHPORT, CONN.

Pansy Plants,

* ROEMER'S SUPERB PRIZE STRAIN, READY SEPT. 15. *

Per 100, 65c; per 250, \$1.50; per 500, \$2.25. Free by mail. By express, 2000 for \$7.00, 3000 for \$10.00. Cash with order.

SEED ALL SOLD.

PETER BROWN, Lancaster, Pa.

Grower of the Finest Pansies.

VIOLETS From pots, All stock, free from disease; Lady Campbell, M. Louise and Farquhar, \$2.50 per 100, \$20 per 1000. New Imperial, \$3 per 100, \$25 per 1000. 3-inch, \$4 per 100 \$35 per 1000; Imperial, \$5 per 100; \$45 per 1000. Field-grown same rates.

ROSES, fine plants of Meteor and Perle, from 3-in. pots, at \$3 per 100, or \$25 per 1000; also 3-inch Brides and Maids same price.

CRABB & HUNTER, Grand Rapids, Mich.

Please mention the American Florist to our advertisers.

Extra Fine Field Grown Carnations

	Per 100	Per 1000
4000 GENEVIEVE LORD	\$10.00	\$75.00
2400 CHICAGO	7.50	60.00
250 MRS. JAS. DEAN	5.00	
2000 GEN. MACEO	8.00	60.00
200 GEN. GOMEZ	8.00	
800 JOHN YOUNG	6.00	50.00
5000 MRS. FRANCES JOOST	5.00	40.00
250 ARGYLE	4.00	
5000 ARMAZINDY	4.00	30.00
7000 EVELINA	4.00	30.00
8000 WILLIAM SCOTT	4.00	30.00
900 FLORA HILL	4.00	30.00

Blooms of all leading varieties, including Mrs. Thos. W. Lawson and The Marquis, unlimited quantity, shipped direct after September 15.

CASH MUST ACCOMPANY ORDER.

CHICAGO CARNATION CO., JOLIET, ILL.

20,000 CARNATIONS 20,000

EXTRA FINE, FIELD GROWN.

	Per 100
FLORA HILL.....	\$ 5.00
WHITE CLOUD.....	6.00
DAYBREAK.....	4.00
WM. SCOTT.....	4.00
MARQUIS.....	12.00
G. H. CRANE.....	8.00
GEN. GOMEZ.....	8.00
MRS. BRADT.....	8.00
GOLD NUGGET.....	6.00
TRIUMPH.....	4.00
VICTOR.....	4.00

W. A. WETTLIN, Hornellsville, N. Y.

CELERY AND CABBAGE.

CELERY. Pink Plume and New Rose (extra strong), Giant Pascal, Boston Market, White Plume and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

CABBAGE. H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Drumhead Savoy and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

KALE. Dwarf, Green, Curled, Scotch, same price as Cabbage. If any of the above plants by mail, add 10c per 100.

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS.

Send for prices of thirty-five best new and standard varieties.

GEO. HANCOCK & SON,
Grand Haven, Mich

A BARGAIN. I have a few hundred field grown carnation plants at Snap Bargain. For prices and varieties address W. J. MILLER, 403 E. Water St., PONTIAC, ILL.

GENEVIEVE ..LORD..

ANOTHER year's trial convinces us that it is not only a worthy successor to Win Scott, but far superior to that variety in every way. In short it is the finest pink Carnation to date, all things considered. We offer a limited number of field grown plants as follows: **First size, \$12.00 per 100; second size, \$10.00 per 100.** Also a few other vars. Write for prices, etc. Delivery Sept. 1.

H. WEBER & SONS, Oakland, Md.

CARNATIONS FIELD GROWN

Daybreak, McGowan, Scott, Flora Hill, Jubilee, Crane, etc. Write for prices. Healthy plants.

Geraniums Nutt, Favorite, Beaute Poitevine, dbl. Graet, etc., 2 1/4-in. pots, \$2.50 per 100.
RICHARD INSALL, West Moorestown, N. J.

FIELD CARNATIONS.

Strong, Clean and Healthy Plants at Low Prices.

Daybreak, Scott, Triumph, Empress, Jubilee, Pingree, Hill, at \$5.00 per 100, \$40.00 per 1000.

Mary Wood and White Cloud, at \$6.00 per 100; \$50.00 per 1000.

LAMPRECHT BROS., Ashland, O.

FIELD GROWN

CARNATIONS

Want 450 Lizzie McGowan in exchange for Daybreak, Flora Hill, Genessee or Portia. Above for sale, with Tidal Wave and Silver Spray.

GEO. SOUSTER, ELGIN, ILL.

CARNATIONS..

Field Grown Plants.

F. DORNER & SONS CO.,
LA FAYETTE, IND.

Send for Price List.

5,000 FIELD GROWN CARNATIONS.

We have the following varieties in excellent shape for shipment: Pingree, Triumph, EVELINA, Flora Hill, America, Gold Nugget, J. A. Newby, McBurney, Armazindy, Crane, Bradt, Daybreak, etc. Write for prices before placing your order.

W. W. COLES, Kokomo, Ind.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

For Sale—Field Carnations

300 ETHEL CROCKER, fine large plants, at \$10.00 per 100. Also 200 ARGYLE and 200 FLORA HILL, at \$3.00 per 100. Address

E. F. OVERMAN, Wabash, Ind.

A good adv. in a good paper will bring good returns.

A Saturday Show at Boston.

The exhibition of the Massachusetts Horticultural Society, on Saturday, August 18, was of sufficient extent and importance to be located in the larger upper hall, lower Horticultural Hall being assigned for the exclusive use of the exhibits of fungus by the Micological Society, which, by the way, seemed to attract nearly as many admirers as did the flowers and fruits. It was the special day for aquatic flowers and the display of nymphæas, nelumbiums, sedges, papyrus, etc., from Oakes Ames, R. M. Grey, gardener, was exceedingly beautiful. Superb specimens of the lace plant, *Ouvirandra fenestralis*, were shown by E. S. Converse, D. F. Roy, gardener, and Mrs. J. L. Gardner, Wm. Thatcher, gardener. Mr. Roy also showed a fine plant of *Cabomba aquatica*. Asters were also a specialty, being staged in large numbers. Those shown by Mrs. J. L. Gardner were remarkable for their variety of color and uniformity. N. F. Comley and E. S. Converse were also well represented. J. Warren Clark won first, prize as in former years, in all the gladiolus classes but was pushed pretty close by a new competitor, E. J. Shayler, who showed some decidedly novel colors, among which were several striking hybrid seedlings of *G. papileo major*. Paul R. Blackmur also had a number of the newest Nanceanus varieties on exhibition. John Lewis Childs filled a long table with named varieties of *Gladiolus Childsii* and received honorable mention for *Tritoma Pfitzeri*. Phloxes from Geo. Hollis and dahlias from W. C. Winter were of the usual high quality produced by these well known specialists and the Blue Hill Nursery again staged a magnificent lot of hardy herbaceous flowers. Three seedling cannas from Wm. Stone were favorably commented upon for their rich colors.

BLOOMINGTON, ILL.—W. T. Hempstead reports business fair since the recent great fire and thinks that the million-dollar loss will have no very disastrous effect on trade next winter.

BOSTON FERN.

2½-in. pots, \$5.00 per 100; 3-in. \$8.00 per 100.
 We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
 West Grove, Pa.

Beauties. Sprengerii.

AM. BEAUTY ROSES, good, 3-inch, \$0.00 per 100.
 ASPARAGUS SPRENGERII, strong plants, ready for 3-inch pots, \$5.00 per 100, \$45.00 per 1000.

Robert F. Tesson, West Forest Park, St. Louis, Mo.

Celery Plants. S'ONG TRANS-PLANTED plants

20c a 100, \$1.50 a 1000; by mail 10 percent more. W. Plume, G. Pascal, B. Market, Golden S. Blanching and Dwarf Red. Write for price on large lots. Do not confound these plants with cheap ones pulled up where they were sown. Try some of ours and see the difference. Good seedlings, 2-in. high, 25c a 1000. Cash please. Samples 10c.

R. KILBOURN, Clinton, N. Y.

ROBT. CRAIG & SON
Roses, Palms
 and Novellies in Decorative Plants.
 Market and 49th Street, PHILADELPHIA PA.

60,000
 FIELD-GROWN
Carnation Plants

Argyle, Flora Hill,
 Pingree, Triumph,
 Tidal Wave, Scott,
 Evelina, McGowan,
 Gold Nugget, Armazindy,
 Per 100 \$3.50; per 1000 \$30.00.

ROSE PLANTS.

METEOR }
 BRIDESMAID } From 2½ and 3-in. pots,
 BRIDE } Per 100, \$3.00; 1000, \$25.00.

AMERICAN BEAUTY, 3-inch pots, per 100, \$5.00; per 1000, \$45.00.

GEORGE REINBERG,
 51 Wabash Ave., CHICAGO.

	Per 100
ASPARAGUS PLUMOSUS NANUS, Fine young plants.....	\$5.00
BEGONIA REX, Strong, 3-inch pot plants, in good assortment.....	6.00
CYPERUS ALTERNIFOLIUS, 2½-inch pots.....	3.00
CYCLAMEN, Dry bulbs, finest strain, mixed.....	6.00
CAREX JAPONICA VARIEGATA, An excellent decorative grass. Extra strong plants from 2½ pots.....	5.00
NEPHROLEPIS CORDIFOLIA, 2½-inch pots.....	3.00
SMILAX, Field-grown, strong clumps.....	3.00
Extra heavy.....	5.00

NATHAN SMITH & SON, Adrian Mich.

Die Bindekunst

Einzige Special Zeitschrift der Welt für BLUMENBINDEREI.

Probennummern umsonst.
 Abonnement 10 M. jährlich.
 J. OLBERTZ, Bindekunst Verlag,
 ERFURT, DEUTSCHLAND.

THE Regan Printing House
NURSERY SEED CATALOGUES
FLORISTS

87-91 Plymouth Place,
 CHICAGO

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.....
 \$2.00 Per Year. Sample Copies Free.
 Liberal terms to florists who take subscriptions.
THE GARDENING CO., Monon Bldg. CHICAGO.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

Flower Seeds.

Gloxinia, Vaughan's Mixture.
 This mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type. Trade pkt., 1000 seeds, 50c; 3 pkts for \$1.25.
 Asparagus Sprengerii, 50c per 100; \$4.50 per 1000 seeds.
 Smilax, new crop, trade pkt., 10c; oz., 30c.
Chater's Prize Hollyhocks.
 Our seed of this has been saved from the finest and largest double flowers only and will produce flowers extremely double and in the best, brightest and most distinct colors.
 Sow now
 Double Pure White, ¼ oz., 25c; 1 oz., \$1.00; trade pkt., 10c.
 Double Yellow, Pink, Purple, Red, Rose, Salmon, Crimson, each, ¼ oz., 25c; 1 oz., 75c; trade pkt., 10c.
 Chater's Prize Hollyhocks, double mixed, ¼ oz., 25c; 1 oz., \$1.00; trade pkt., 10c.
Bellis, or Double Daisy.
 Mammoth Mixed and Mammoth White, each, trade pkt., 25c; 1-16-oz., 50c.
 Snowball, double white; Longellow, double pink; each, trade pkt., 15c.
 Forget-Me-Not, Victoria, trade pkt., 10c; per ¼ oz., 25c.
Cyclamen, Giant Flowered.
 We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors. 250 seeds at 1000 rate

	100 seeds.	1000 seeds.
Mont Blanc, pure white.....	\$.75	\$5.00
Deep Crimson, very large.....	.75	5.00
Rosa von Marienthal, pink.....	.75	5.00
White Carmine Eye.....	.75	5.00
Giant Flowered Sorts, best mixed, ¼ oz., \$1.50.....	.50	4.50

10 per cent special cash discount on orders over \$2 for Flower Seeds if the cash is enclosed.

Vaughan's Seed Store,
 CHICAGO, NEW YORK,
 84-86 Randolph St. 14 Barclay St.

Faster Time via the WABASH

CONTINENTAL LIMITED The Continental Limited leaves Chicago at 12:40 noon, and arrives New York 3:15 and Boston 5:20 the following afternoon. Through sleepers to both points.

WABASH MIDNIGHT FLYER TO ST. LOUIS
 Spend the evening at home or at the theatre, and be in St. Louis before 8:00 o'clock next morning. Try this popular train.

CITY TICKET OFFICE,
 97 Adama Street, CHICAGO.

THE Gardeners' Chronicle.

A Weekly Illustrated Journal.
 ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the UNITED STATES, \$4.20 per year Remittances to be made payable to H. G. COVEY.
 OFFICE:—
 41 Wellington St., Covent Garden, London, England.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors; a splendid stock of plants from 2½-in. pots, \$5.00 per 100, \$40.00 per 1000; from 3-in. pots, \$7.00 per 100, \$60.00 per 1000.

CHINESE PRIMROSES—(fringed) single and double, in the finest market varieties; from 2¼-in. pots, \$2.50 per 100.

BEGONIA REX—(rooted cuttings) in 15 vars. mixed, \$1.50; assorted, \$2.00 per 100.

CINERARIAS—hyb. maxima grandiflora nana. from flats, \$1.50 per 100; from 2½-in. pots, \$2.50 per 100, \$20.00 per 1000.

CARNATIONS—(field grown) strong, healthy plants; Daybreak, Wm. Scott, McGowan, White Cloud, first size \$4.00 per 100, \$35.00 per 1000; second size \$3.00 per 100, \$25.00 per 1000.

250 plants of any of the above at the 1000 rate.

ALL STOCK GUARANTEED A No. 1.
PAUL MADER, East Stroudsburg, Pa.

100,000 FERNS IN FLATS - - -

At One Cent.

Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginellas, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

Orchids!

Arrived fresh from the woods in fine condition: Lælia anceps, L. autumnalis, L. Crispa, L. Ilava, L. grandis tenebrosa, L. Perrinii, Oncidium Varicosum Rogersii, Cattleya Percivalliana and C. Mossæ.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

NOVELTIES IN PLANTS
That Can't Be Had Elsewhere.

Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilla, New Buddleias, New Deutzias, Mr. Peter Barr's New White Lupin, The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Buellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Ebanrock, Pa. Send for Catalogue and Novelties. Always in quantity—Asparagus Sprengerii, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices.

A. BLANC & CO., Philadelphia, Pa.

VINCA.... For Fall Delivery
VARIEGATA Two Sizes.
FIELD GROWN VINES Prices on Application.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz.
GERANIUMS, S.-A. Nutt and others, 3-in., \$4 per 100.
NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$30.00 per 100.

ASPARAGUS PLUMOSUS, 2½-in., \$5 per 100, \$40 per 1000.
ASPARAGUS SPRENGERII, 2½-inch, \$4.00 per 100; \$30.00 per 1000.
SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. **Carl Hagenburger, W. Mentor Ohio.**

BEGONIA GLOIRE DE LORRAINE

Plants from 2-inch pots,
\$2.50 per dozen; \$17.50 per hundred.

Money Order Office, **EDWIN LONSDALE,**
Chestnut Hill, Wyndmoor,
Sta. H, Philadelphia. Montgomery Co., Pa.

Holly. Finest Quality. Any Quantity.

Write us for prices delivered at your door.
CALDWELL The WOODSMAN CO, Inc., Evergreen, Ala.

FOR SOWING NOW!
NEW Mignonette Seed. **MAY'S CROP GIANT**

(GREENHOUSE GROWN.)

A special strain of this well-known variety, grown and selected for us by an expert florist. The seed is saved from only perfect spikes all grown under glass.

PRICE, 25c per trade pkt.; \$1.00 per ¼ ounce; \$1.75 per ounce.

ENGLISH MUSHROOM SPAWN. **New Importation Just Received.**

Price, per pound, 15c.; 10 lbs. \$1.00; 25 lbs. \$2.00; 100 lbs. \$7.50. Special prices on larger lots.

FRENCH MUSHROOM SPAWN.—Put up in boxes of 2 lbs. each. Price, per box, 75c. If by mail, \$1.00. The same loose, per lb. 35c.; by mail 45c.

CHICAGO: 84-86 Randolph Street.
VAUGHAN'S SEED STORE, NEW YORK: 14 Barclay Street.

ASSORTED FERNS,
In flats, ready for potting, \$2.00 per flat.

BOSTON FERNS,
Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$20.00-\$25.00 per 100. Also fine plants in 5-6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100, \$4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, \$3.00 per 100.
Asparagus Sprengerii, 2-in., \$6.00 per 100.
Kentia Belmoreana, 2½-in. pots, \$10.00 per 100; 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00.

Send for Particulars.

BOBBINK & ATKINS
RUTHERFORD, N. J.

BOSTON FERNS
...A SPECIALTY.

N. EXALTATA BOSTONIENSIS, small plants, \$5.00 per 100 or \$40.00 per thousand; large plants, \$6.00 to \$30.00 per hundred; taken from the bench.

ARAUCARIA EXCELSA, 14 to 16-in. high, 4 to 5 tiers, 6-in. pots, \$1.00 and \$1.25 each; 20 to 24-in. high, 5 to 6 tiers, 6-in. pots, \$1.50 each. Larger size \$2.00 and \$2.50 each.

RUBBER PLANTS, 12 to 15-in. high, \$4.00 per doz.; 20 to 24-in. high, \$6.00 per doz.

WM. A. BOCK, N. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.

JOSEPH HEACOCK,
WYNCOTE, PA.

ARECA LUTESCENS,
KENTIA BELMOREANA,
PHOENIX RUPICOLA.

Asparagus Plumosus
Fine 3-in. Stock, \$5.00 per hundred.

==Smilax== CASH WITH ORDER PLEASE.
Fine 3-in. Stock, \$2.50 per hundred.

VAN WERT GREENHOUSES,
.....VAN WERT, OHIO.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

Sago Palms!

Fine Plants in all sizes. Well grown, and perfect leaves. One of the best summer and fall plants for retailing. They run from five to twelve leaves, in small size pots that can be shifted and save freight

5 to 7 leaves,	\$ 6.00 per dozen.
7 to 9 leaves,	9.00 per dozen.
9 to 12 leaves,	15.00 per dozen.

Can be sent safely by freight. Satisfaction guaranteed.

Cyperus Alternifolius,
3-inch, fine well-grown, \$5 per 100.

Jasmine Grandiflora,
Very fine for cut flowers—always in bloom—4-in. pots, strong plants, \$1.50 per dozen.

Ficus Elastica, fine straight pots, 3¼ to 4 feet high, \$1.00 each.

Latania Borbonica, 4-in., stock with character leaves, 18-in. high, \$18 per 100, seed shifting to 5 or 6-inch.

CASH WITH ORDER, PLEASE.

CRITCHELL'S,
CINCINNATI, O.

Please mention the American Florist when writing.

Continued to Sept. 1st.

100,000 plants for sale at half price and less to make room.

Roses—20,000 strictly A1 plants, 3½ and 4-in. (golden fellows), Bride, Perle, Meteor, Maid and Golden Gate, only 4c; worth 10c. The same in 2½ and 3-in., only 3c; cheap at 6c.

Smilax—15,000 double extra, guaranteed as good as you ever planted, \$1.00 per 100, \$10.00 per 1000; as many as you want.

Geraniums—10,000 Bruanti (dbl. scarlet) and S. A. Nutt, the two best selling Geraniums of the age; Rose Geraniums and 10,000 other leading bedders; strong 2½ and 3-in., only \$1.50 per 100. Bear in mind this is only the price of Rooted Cuttings, and you can't buy them for double that in a month.

dbl. Fringed Petunias and Coleus—In superb collection. Ageratum Princess Pauline and White Lady, only 1c.

Fuchsias—Strong 4-in., \$1.00 per doz.; 2 and 2½-in., \$1.50 per 100.

Calla Bulbs—Strong 8 and 10c size for 5c.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Asparagus Sprengerii.

3-inch, strong.....\$5.00 per 100
2-inch, strong..... 3.00 per 100
From flats..... 2.00 per 100

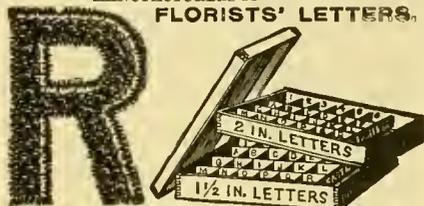
M. J. COVENTRY, Ft. Scott, Kans.

Browallia Speciosa Major.

This plant is known to a good many gardeners. It thrives in an intermediate house during the winter months, and cuttings struck in heat in April, when they strike freely, grow best during the summer months in the greenhouse or a cold frame. The plant is liable to infestation by thrips when grown on dry stages, and at this season (July) it should be frequently syringed and the shoots topped. There are but few flowers which give us such bright blue color in the winter season, and for this reason the plant is a useful one.—Gardeners' Chronicle.

IRON MOUNTAIN, MICH.—C. B. Whittall, of Milwaukee, Wis., has an order to submit plans for a 30-acre cemetery. Two parks are also under consideration. The natural beauty of the country will aid much to make these very attractive.

Boston Florist Letter Co.
MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25
Price complete (with green or white cornucopia vases) \$2.50.
No. 2.—Heavy 4 ft. rod brassed and nickled, with three clasps for 5 to 6-in. pots, each, \$1.75
Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
1725 Chestnut St., Philadelphia, Penn.

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods New Illustrated Catalogue Now Ready. Send for it.
108 W. 28th St., near 6th Av., NEW YORK.

Imported Prepared

CYCAS LEAVES

LOWEST PRICES

RECEIVING REGULAR SHIPMENTS.

Florida Natural Products Co.,

P. O. Box 273, Indianapolis, Ind.

Universal Insecticide

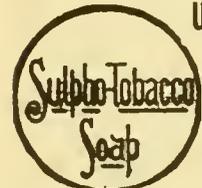
For Flowers, Trees and Animals.

Recommended and in use by the foremost florists and nurserymen in the land.

For Sale at the Seed Stores.

ROSE MFG. CO.

NIAGARA FALLS, N. Y.

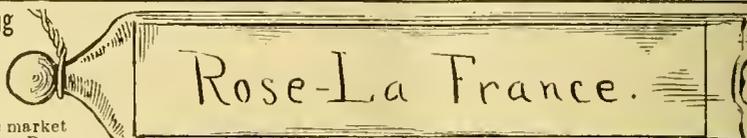


PURE RAW BONE MEAL Put up especially for our trade.

For Roses and Carnations nothing equals it. Use it on Chrysanthemums and you will win the prize at your flower show for the best bloom. 10 pounds, 40c; 25 pounds, 75c; 50 pounds, \$1.25; 100 pounds, \$2.00; 1 Bag, 200 pounds, \$3.75.

THE VAIL SEED CO., Indianapolis, Ind.

"Everlasting Label"



The newest and best glass label holder on the market to label Trees, Rose Bushes, Shrubs, Plants and Flowers; for use in garden and conservatory. Endorsed by Peter Henderson & Co., John Lewis Childs and other leading florists. In use in public parks of Chicago, St. Paul, "White House" Conservatory (Washington) and elsewhere. Write for sample to patentee and manufacturer.

W. W. DODGE, BURLINGTON, IOWA.



THE KINNEY PUMP.

For applying Liquid Manure it has no equal! Sent prepaid for \$2.50. Without spraying valve \$2.00.

The HOSE CONNECTION CO. KINGSTON, R. I.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinières, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,

AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

REED & KELLER,

Manufacturers of Florists' Designs.

Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

..PURE.. Sheep Manure.

Dry, pulverized, in ear lots, \$8.00 per ton. Dry, but not pulverized, \$4.00 per ton. In natural or green state, \$1.50 per ton; f. o. b. cars, Kirkland, Ill.

MONTANA FERTILIZER CO., Elgin, Ill., U. S. A.

"NICOMITE"

(PATENT)

Vapor Insecticide POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

ALL GREENHOUSE BUGS.

SOLD BY SEEDSMEN.

The Tobacco Warehousing and Trading Co., LOUISVILLE, KY.



LIQUID PLANT FOOD

For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY,

Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN—SOLD BY SEEDSMEN—CIRCULAR FREE—SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the BLOOMS! QUICKLY DOES IT.

SMILAX STRINGING Made Easy by the use of **MEYER Green SILKALINE**

JUST THE SHADE OF THE FOLIAGE. Samples and prices free.

JOHN C. MEYER & CO.,

80-84 Kingston St. BOSTON, MASS. For sale by leading Florists.

BUGS ON ASTERS KILLED BY USING SLUG SHOT SOLD BY SEEDSMEN

Fall...
Season



1900

FOLLOWING

are only a few
... of our

SPECIALTIES AND
NOVELTIES:

Violet Cords and Tassels

BASKETS

Fancy and Plain

IMMORTELLS

all colors

ENAMELLED, CELLU-
LOID and WILLOW
POT COVERS

MOSS WREATHS

ENAMELLED
PEDESTALS

ARTIFICIAL and WAX
FLOWERS and LEAVES

DOVES

SAGO or
CYCAS PALM LEAVES

METAL DESIGNS

DRIED GRASSES

CHENILLE

ADJUSTABLE POT COVERS

Our famous unparalleled

"WHEAT SHEAVES"

Flat and Standing

Crimped Paper POT COVERS
in the newest shades

Every Florist will Need Our Goods.
There are None Better--They will Make
You Money.

We take this opportunity to again call your
attention to the real live fact that we are
Importers and Manufacturers of

FLORISTS' SUPPLIES

"Second to None"

IF YOUR NAME Does not already appear on our books,
there must be something wrong, so
send for our new Illustrated Catalogue, for terms and conditions, and
to further convince you of the just treatment you will receive from us,
make inquiries of any of our numerous customers; we will then feel
confident of your patronage.

M. RICE & CO.

918 Filbert Street,
PHILADELPHIA, PENN.

We most cordially invite inspection and comparison of our
UNEXCELLED STOCK.

QUOTATIONS CHEERFULLY GIVEN.

Write for our new Fall Catalogue, and "RED STICKER,"
used by everyone.

Canadian Horticultural Association.

The closing session of the recent convention of the Canadian Horticultural Association was devoted to the discussion of some very interesting papers. They were: "Violets," by Wm. Fendley, Brampton; "Commercial Orchids," by J. Goodier, Toronto; "Carnations up-to-date," by Wm. Gammage, London; "Heating and Ventilating," by R. W. King, of Toronto, who described the systems in use at the H. Dale estate.

The officers for the coming year are as follows: President, J. H. Dunlop, Toronto; first vice-president, J. Bennett, Montreal; second vice-president, G. W. Rennie, London; secretary, A. H. Ewing, Berlin; treasurer, H. Simmers, Toronto; executive committee, for three years, G. Robinson, C. G. Knott, W. Gammage; two years, J. Wilshire, C. Scrim, J. Graham one year, W. Muston, H. Johnston and F. C. Miller.

Saturday's banquet was a "corker;" fine menu, good songs and the toast list endless. We enjoyed many fine speeches, all praising the association. G. V.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2-in. pots in crate, \$4.58	120 7-in. pots in crate, \$4.20	1500 2 1/4 " " " " 5.25	60 8 " " " " 3.60
1500 3 " " " " 5.00	48 9 " " " " 3.60	1000 2 1/4 " " " " 5.00	48 10 " " " " 4.80
800 3 1/4 " " " " 5.80	24 11 " " " " 3.60	500 4 " " " " 4.50	24 12 " " " " 4.80
320 5 " " " " 4.51	12 14 " " " " 4.80	144 6 " " " " 3.16	6 16 " " " " 4.50

*Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY, FORT EDWARD, N. Y. AUGUST BOLKER & SONS, New York Agents 53 DEW STREET, NEW YORK CITY

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY. Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWANN'S POTTERY MFG CO., P. O. Box 78, Minneapolis, Minn.

GEO. KELLER & SON, MANUFACTURERS OF

Flower Pots.

Before buying write for prices 361-363 Herndon Street near Wrightwood Ave., CHICAGO, ILL.



DUNNE & CO.

Have something interesting to show to S. A. F. visitors, in the line of Rustic Settees, Fences and General Horticultural Sundries.

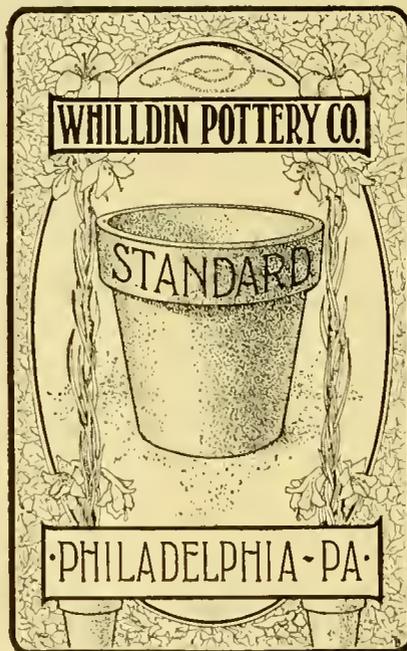
This establishment is now the main headquarters in the East for

PURE SHEEP MANURE

And all users of this indispensable Fertilizer are especially invited to call and be shown the difference between this absolutely pure article and much of the stuff usually sold as Sheep Manure. We are in a position to quote lowest figures per pound, per ton, or per car load.

DUNNE & CO.,

54 West 30th St, NEW YORK.



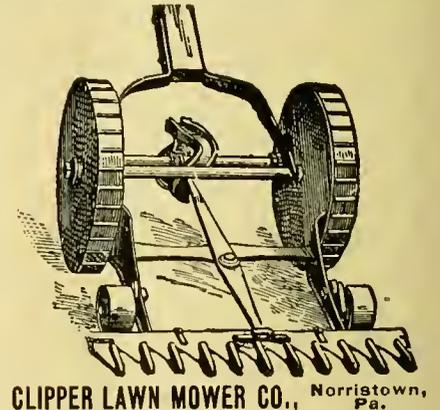
BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y. Please mention the American Florist when writing.



Please mention the American Florist when writing.

THE MOWER

THAT will KILL ALL THE WEEDS IN YOUR LAWNS. If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. The Clipper will do it. Send for circulars and prices.



CLIPPER LAWN MOWER CO., Norristown, Pa.

The Bottomless Pot

Pat'd,

MORE ESPECIALLY FOR VIOLET AND CARNATION CULTURE, ALSO

THOSE RED POTS

"Standards."

Azalea Pots, Fern Pots, Bulb Pans.

DETROIT FLOWER POT M'F'Y,

Established 1853. DETROIT, MICH.

P. O. Address, 490 HOWARD ST.

HARRY BALSLEY, Traveling Representative.

Please mention the American Florist when writing



Invalid Appliance Co.,

MANUFACTURERS OF COLUMBIA PLANT TUBS

(PATENTED)

"The kind that never fall apart." If your seedman doesn't handle them, order of us direct.

FACTORY AND OFFICE: 180-182 WEDDER ST., CHICAGO, ILL. TELEPHONE NORTH 825.

Please mention the American Florist when writing.

PROFIT IS CERTAIN...

In the prudent and thorough heating of a greenhouse as much as in large sales of stock. If a florist is burdened by an unnecessary annual tax of from

\$50 TO \$100

For fuel and extra labor he must work much harder in order to make up this unnecessary tax out of the profits of his business. We know from our past experience that there is no unnecessary tax for fuel and labor when our boilers are used, because they are made after careful examination of the reasons why other boilers have failed and their construction avoids the defects shown. No one has bought

OUR BOILERS

That ever regretted it and thousands have bought and look back at the cost as the best investment they ever made.

SEE WHAT

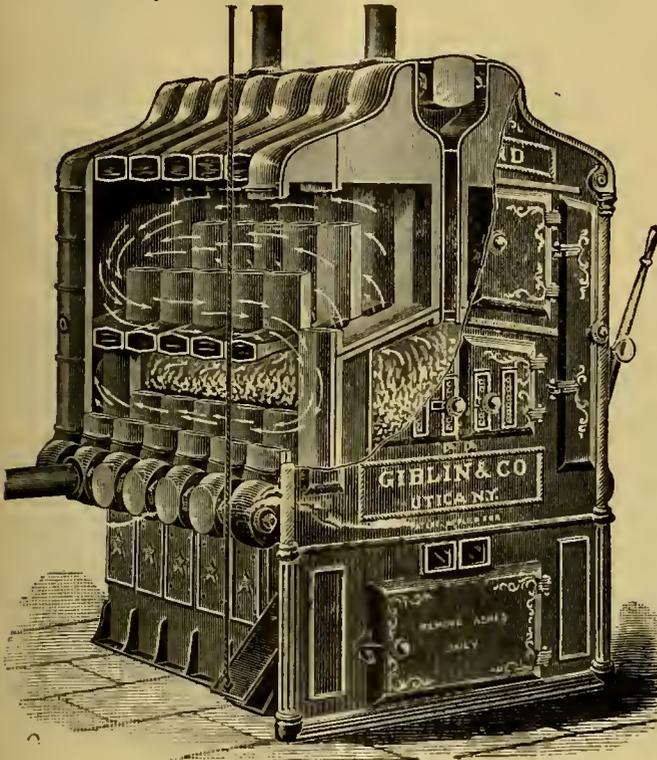
C. HUMFELD, Clay Center, Kansas, July 19th, 1900, says: "I purchased a No. 70 Standard Sectional Hot Water Boiler from you in August, 1898, and I do not remember that I ever wrote you anything about it. In corresponding with me you told me that other parties that had purchased your boilers in some cases paid \$50.00 more for your boiler than they could have gotten other boilers of same capacity. I wish to say that I am one of them, as I paid \$50.00 more for your boiler than I would have had to pay for another make. I am not sorry for it as I now see the difference in price is more than made up by the difference in value. I can speak from experience, as I have two other good sectional boilers, but yours is a terror. I have 2000 feet of two-inch pipe, 1240 square feet of radiation hung to the 70 boiler and I have my expansion tank about forty feet away from the boiler and still it gets so hot that it wants much more radiation, so I am going to have it heat another house 20x10, or 1600 feet of 1 1/2-inch pipe, or 688 feet of radiation, so that the total radiation will be 1928 square feet, but I think the boiler can heat it easily. I know I have never crowded it and if we would it would throw all the water out of the line of pipes. That boiler is all right and anybody that wants to know about it, refer them to me."

OUR GREENHOUSE CATALOGUE

Is free, and we are in business to give information about our boilers and heating greenhouses, and solicit correspondence.

WE CAN MAKE

Prices delivered at any station, so that a florist knows exactly what the cost will be of a boiler delivered.



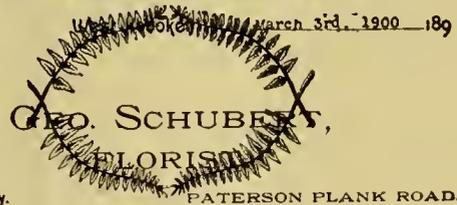
GIBLIN & CO., Utica, N. Y.

Mention American Florist.

THIS IS THE HEATER,



AND THIS IS WHAT THEY SAY OF IT.



Flora's Specialty.

Messrs. THOS. W. WEATHERED'S SONS,
46 and 48 Marion Street, New York, N. Y.:

Gentlemen—I am highly gratified with the results I have obtained from your Sectional Boiler which you put in for me last October. Although you would only guarantee the six sections to heat 1620 feet of 4-in. pipe, I attached it to over 1,800 feet. It did it so well that I put on about 300 feet more, making in all 2,100 feet, and I am positive that I can add more to it. It is the best I have ever seen and a great coal saver. I have to keep the fire door open all the time. I would be pleased to have anyone call and see it. Yours truly,

George Schubert

WE REFER to the following named parties who have lately purchased and are using our Sectional Boiler:

R. M. Wood & Co., Natick, Mass.
David Dean, Astoria, N. Y.
Wm. G. Muller, Lyons Ave., Newark, N. J.
N. Y. Zoological Gardens.
Geo. Schubert, West Hoboken, N. J.

R. E. Shufelt, Chatham, N. Y.
A. E. Aldrett, Morrison, Ill.
J. W. Miller, Craighead, Pa.
John Scott, Flatbush, Brooklyn, N. Y.
Keap St. Greenhouses, Brooklyn, N. Y.

Geo. Fick, West Hoboken, N. J.
A. Brunner, Lyons Farms, N. J.
H. C. Pattney, Baysboro, N. Y.
Ditzenberger Bros., Bay Ridge, N. Y.

Established 1859. **THOS. W. WEATHERED'S SONS,** HORTICULTURAL ARCHITECTS AND BUILDERS,
Mrs. of Hot Water and Steam Heaters. 46 Marion St., NEW YORK.

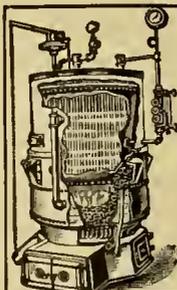
ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the.....
"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.
Address EDITORS OF THE "H. A."
Chilwell Nurseries - Wotts, England.

Always mention the.....

American Florist

when writing advertisers.



THE GORTON SIDE FEED BOILER

Is specially constructed so that it will maintain a steady fire all night without attention, which is a very important item to be considered in selecting a greenhouse boiler.

Send for Catalogue and Investigate for yourself.

GORTON & LIDGERWOOD CO., 98 Liberty St., NEW YORK.

St. Paul.

TRADE DULL AND STOCK GENERALLY RATHER POOR.—FIELD GROWN CARNATIONS IN EXCELLENT FORM.—ANNUAL OUTING.—VARIOUS NOTES OF INTEREST.

The intense heat of the present month has had a depressing effect on trade in all lines except funeral work. The only really choice flowers now being cut are asters, which are improving daily in quality. Some very nice bench grown flowers are being cut and the outside crop seems better than usual this season. Roses are poor owing to the heat, Carnations being the best of any. Good Beauties are a very scarce article. Carnations are scarce, though a few good Flora Hill are brought in. This seems to be an ideal summer sort. Gladioli and other outside flowers are on the wane, owing to the heat.

Filling benches with the mercury from 100° upward has been a very hot task, but most all rose stock is planted, and the growers are only waiting for cooler weather to transplant carnations. These have made an excellent growth in the field and are in tip top condition for lifting. Of the newer varieties, Crane will be planted the most extensively, while White Cloud will to a certain extent supplant Flora Hill and Evelina. Daybreak retains its prestige and is still hard to beat in its class. A few of the newest are seen here and there, such as Lawson, The Marquis, Ethel Crocker, Maceo, etc.

Our florists' picnic was held at Lake Park, a most beautiful spot on the shores of the gem of all waters, Lake Minnetonka. Minneapolis captured most of the prizes. E. Nagel, the veteran bowler, proved his fleetness of foot by winning the fat men's race. Oluf Olson easily won the fifty-yard dash. Mr. Will won the boat race handily. In base ball and the tug of war St. Paul was too many for Minneapolis and won both contests easily. A most enjoyable part of the programme was the singing of Chris. Bussjaeger.

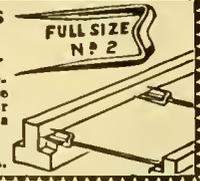
Mr. Scott and his Boston fern are now doing the Twin Cities. A. Currie, of Milwaukee, passed through the city a few days since.

Jas. Souden and L. S. Donaldson made a flying trip to Chicago last week, looking up new stock.

FELIX.

A GOOD AD.
A STORE PAINTED WITH
LUCAS PAINT.
IT PRESERVES IT BEAUTIFIES
IT WILL CATCH THE EYE

Holds Glass Firmly
FULL SIZE
No. 2
See the Point
The Van Reyper Perfect
Glassing Points are
the best. No rights or
lefts. Box of 1000 points
75 cents, postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
RICHMOND, IND.



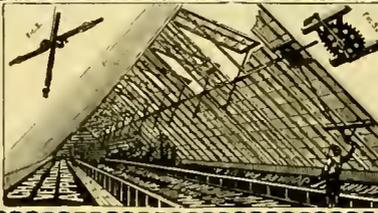
Water Every Day in the Year for
Flowers and Lawns when
**RIDER or ERICSSON
HOT AIR PUMPS**
are used. Nearly 25,000 sold during the past
twenty-five years.
Send to nearest office for Catalogue "A 3."
RIDER-ERICSSON ENGINE CO.
28 Cortlandt Street, New York. Teniente-Rey 71, Havana, Cuba. 86 Lake Street, Chicago.
239 Franklin Street, Boston. 40 N. 7th Street, Philadelphia.
692 Craig Street, Montreal, P. Q. 22 A. Pitt Street, Sidney, N. S. W.



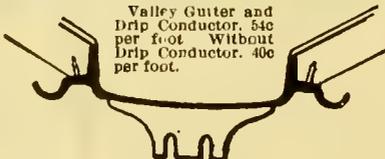

CYPRESS WRITE FOR CATALOGUE
GREENHOUSE MATERIAL OF EVERY DESCRIPTION
JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.



EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable....
THE CHAMPION VENTILATING APPARATUS
Catalogue is free. A postal with your name and address secures it. Address
COOLIDGE BROS., Florists, So. Sudbury, Mass.



Jennings Bros., GREENHOUSE DESIGNERS... & BUILDERS.
Mrs. of and dealers in Greenhouse Specialties.
Patent Iron Bench Frame Fittings, Improved Cast iron Gutters and Plates.
Send for Catalogue **Jennings Bros., Philadelphia, Pa.**



GALVANIZED STEEL
Wire Rose Stakes
Straight or Looped and Pointed.
—ALSO—
The Model Extension Carnation Support.
LANCASTER, PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.;
Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900.
Very Respectfully,
ALBERT M. HERR.
Samples and Prices on Application to
THE MODEL PLANT STAKE CO.,
226 North 9th Street, BROOKLYN, N. Y.
Please mention the American Florist when writing.

THE MODEL ROSE STAKE Looped and Pointed.

THE MODEL PLANT STAKE for Lilies and all Pot Plants.

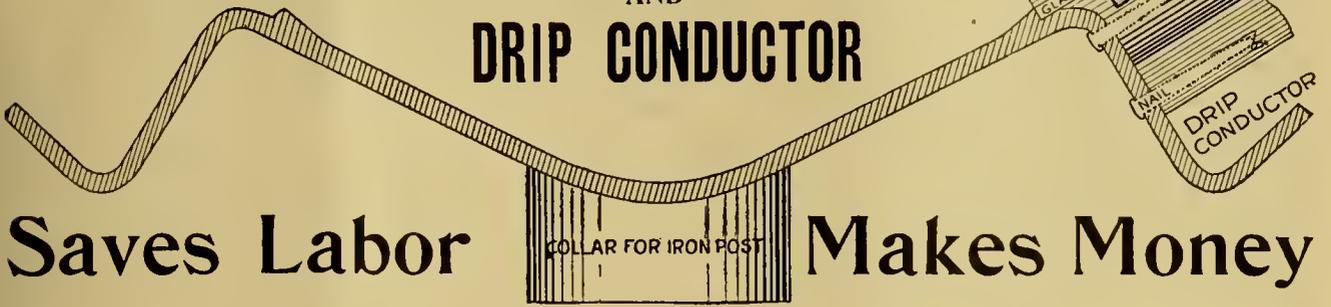
THE NEW Standard Ventilating Machines.
Always reliable. Self-oiling. Four Styles. All warranted first-class.
Send for catalogue and see what first-class florists are using.
THE E. HIPPARD CO., YOUNGSTOWN, O.
Please mention the American Florist when writing




HAIL!
FOR INSURANCE AGAINST DAMAGE BY HAIL, Address
JOHN G. ESLER, Sec'y F. H. A., SADDLE RIVER, N. J.

GARLAND'S IRON GUTTER

AND DRIP CONDUCTOR



Saves Labor

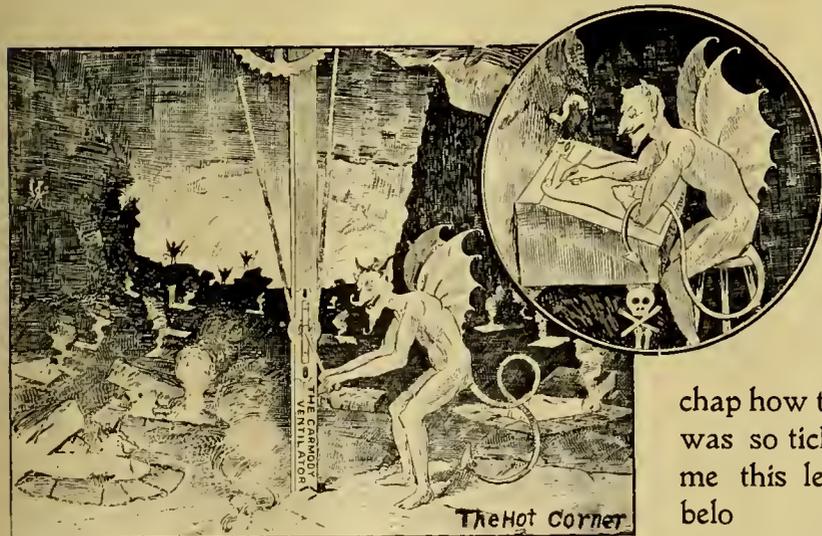
Makes Money

...PARTIES... CONTEMPLATING USING IRON GUTTERS

Will do well to note the following extract of patent No. 616,781, issued to George M. Garland; and are hereby cautioned against making use of the same without my consent:

"At the end of each member of the gutter, a downwardly-extending flange is formed, adapted to engage with the inner or lower ends of the roof-beams, but the flanges are of sufficient width to extend below the roof-beams, and at their lower ends upwardly and outwardly extending members are produced, forming auxiliary gutters, which serve as drip-conductors and act to carry off the condensations of steam from the glass of the roof. The nails, screws, or other fastening devices are passed through the drop flanges and into the lower ends of the roof-beams, so that these fastening devices for connecting the valley-gutter to the roof structure are below the weather-faces of the valley-gutter and consequently the weather-faces of the valley-gutter need not be perforated, insuring against leakage."

George M. Garland Des Plaines, Ill.



MR. EDITOR:

I rite to tel yo that bi meanz of the new Submarine boat—The Holland—what goes down under the ochen I have been enabled to send a Kargo uv mi Greenhouse contrapshins tew a place where they are much needed.

My frend Jules Verne had charge of the cargo and showed the Boss chap how tew put the apperatus up an Old Nick was so tickled with the wa it worked he sent me this letter uve recommendashun wat u c belo

SHOEL CENTER, Infernal Regions.

My Dear Carmody:

In return for your kindness in sending your appliances I have extended your leave of absence indefinitely. My subjects unite in universal praise of your VENTILATING APPARATUS, in fact when the ventilation is on they hover around your CHAMPION BOILER, and the kids spend most of their time swinging on the gates hung with your EVERLASTING HINGES.

Gratefully your friend,

BEELZEBUB.

To my Floris Frenz—I wil sa dont wate till you go where it is hoter before you uze my fixins but send tew me for a Kata-a-log wat tels u awl about em.

Mi name is **J. D. CARMODY**, an I live in **Evansville, Ind.**, klose to Posey Kounty.

New Orleans.

HORTICULTURAL SOCIETY SHOWS SIGNS OF INCREASED ACTIVITY. — DOINGS AND SIGHTS AT AUDUBON PARK.

During the hot months our horticultural society ordinarily takes a vacation but there was a good attendance and not a little interest in the August meeting. Our newly elected president, Paul Abele, is setting to work to add new life to the society and to that end has invited us to hold our next meeting at his residence. The society will remove its regular meeting place from Royal street to St. Charles street, near Canal.

The other day I called upon Edward Baker, superintendent of Audubon Park, and found him making hay. He was cutting the second crop and said he expected to get three mowings off of the same tract this season. This shows how productive our soil is. They have a splendid horticultural building in this park. It is 600 feet long and 120 feet wide; the nave is 100x186; the height is forty-six feet and to the top of the tower 186 feet. Among the things to be seen here is an Acrocomia Mexicana forty feet high, an attalea thirty-five feet high, a Latania Borbonica forty feet high and many other fine plants. The park is in good hands and the work of permanent improvement, planned by the Olmsted, of Brookline, Mass., is well under way.
M. M. L.

MILWAUKEE, WIS. — B. Heyden has installed one of Riemer & Radmer's boilers, the Furman, for hot water.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

CYPRESS

IS MUCH MORE DURABLE THAN PINE.

CYPRESS SASH BARS

UP TO 32 FEET IN LENGTH OR LONGER.

GREENHOUSE

AND OTHER BUILDING MATERIAL.

Send for our illustrated book "CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.

THE A. T. STORRS LUMBER CO.,
Neponsetts, Boston, Mass.

STEAM COAL FOR FLORISTS.

CHICAGO, April 7th, 1900.

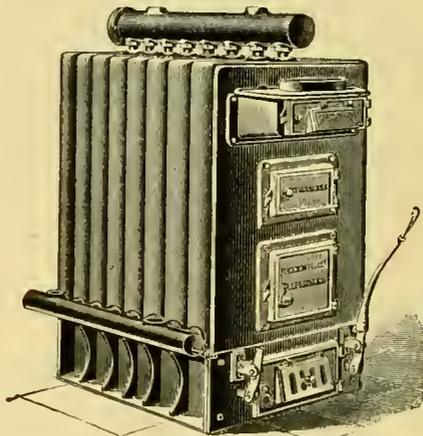
HULL & COMPANY, 74 and 75 Traders' Building, Chicago, Ill.,

GENTLEMEN:—In reference to my opinion of your THACKER SPLINT COAL, will say I am v.ry well pleased with it and think it is superior to any Coal of the splint grades we have yet used. Burns free, making an intense heat with very few ashes; no clinkers, and has the lasting quality of all high-grade Coal. I certainly consider it a very economical Coal to burn.

Yours very truly, J. A. BUDLONG, Wholesale Florist.

Write us for price on single carload orders or season contract, delivered at any point in the United States. 'Phone Har. 960.

HULL & COMPANY, 74 & 75 TRADERS BUILDING, CHICAGO.



"INVINCIBLE."

Please mention the American Florist when writing.

...THE... SCOLLAY BOILER

FOR Greenhouse Heating, Etc.

HOT WATER OR STEAM.

FARMINGTON, CONN., March 9, 1896.
"The Invincible Boiler you placed in my Carnation houses has given great satisfaction. I did not have to run the boiler hard even when the thermometer stood 18° below zero. It has proved 'Invincible' in every respect."
HUGH CHESNEY, Florist.

SEND STAMP FOR CATALOGUE AND PRICE LIST. Estimates Cheerfully Given.

JOHN A. SCOLLAY,
74 and 76 Myrtle Ave., Brooklyn, N. Y.

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

MACHINERY and SUPPLIES at BARGAIN PRICES

We have the largest machinery depot on earth. We secure our machinery from the various buildings and plants that we are constantly buying. We purchased The World's Fair, The Omaha Exposition, The Chicago Post-Office and numerous other noted structures. Our facilities for rebuilding machinery are unsurpassed. We cover all our sales with binding guarantees. **BOILERS FROM \$25 UP. ENGINES FROM \$35 UP. STEAM PUMPS FROM \$15 UP - etc., etc.**

We also carry a complete stock of general supplies, such as BELTING, SHAFTING, HANGERS, PULLEYS, IRON PIPE, VALVES and FITTINGS, IRON ROOFING, HARDWARE, PLUMBING MATERIAL, etc. Cut this ad. out and we will send you Free our 250 page Catalogue No. 47. We are constantly buying entire stocks at Sheriffs and Receivers Sales.

CHICAGO HOUSE WRECKING CO.
West 35th and Iron Streets, CHICAGO.

Hitchings & Co.

ESTABLISHED 1844.

HORTICULTURAL ARCHITECTS AND BUILDERS.

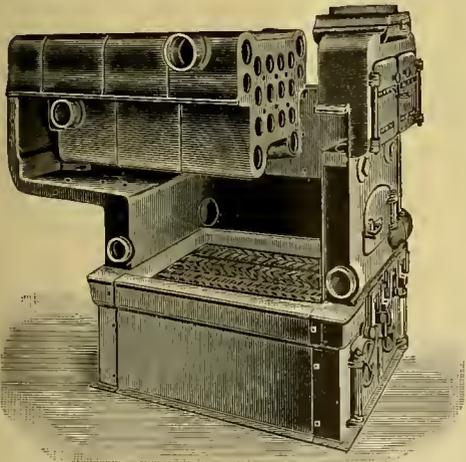
ROSE HOUSES, PALM HOUSES AND CONSERVATORIES ERECTED COMPLETE WITH OUR PATENT IRON FRAME CONSTRUCTION.

...STRUCTURAL MATERIAL FURNISHED READY FOR ERECTION...



The above cut represents the new horticultural buildings in the Botanical Gardens, Bronx Park, New York, just erected by Hitchings & Co. These great glass houses are without doubt the most elegant buildings of their kind in the world, and when completed will be among the largest. They are the best examples extant of modern greenhouse construction, the entire frame being made of iron and steel, thus permitting the use of very light wood work, producing strong and light structures with very little shade.

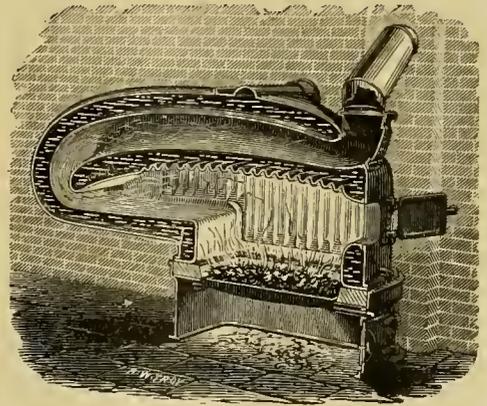
Manufacturers of Greenhouse Heating and Ventilating Apparatus.



Our New Sectional Tubular Boiler.

**HOT WATER
BOILERS
FOR
GREENHOUSE
HEATING.**

6 Patterns, 30 Sizes.



Our Well-Known Corrugated Fire Box Boiler.

PERFECT SASH RAISING APPARATUS.

Hitchings & Co.,

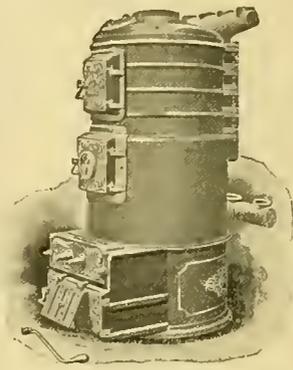
233 Mercer St., NEW YORK CITY.

Send 5c for Illustrated Catalogue.

Index to Advertisers.

Advertising Rates.....136
 Allen J K.....141
 American Hose Co.....138
 Amling Albert F.....150
 Amling E C.....139
 Ansum R.....152
 Banner J L.....138
 Barnard W.....149
 Bart S Alfred.....1
 Bassett & Washburn.....139
 Bayersdorfer H & Co.....156
 Bentley & Co.....139
 Berger H H & Co.....142
 Berning H G.....154
 Biedeknecht D S.....149
 Blanc A & Co.....155
 Bobbink & Atkins.....155
 Bock Wm A.....155
 Boston Letter Co.....136
 Boyd J H H.....144
 Brant & Nos.....140
 Brill Francis.....11
 Brown Peter.....152
 Bruus H N.....11
 Buckbee H W.....151
 Budlong J A.....139
 Bunyard H A.....138
 Burpee W L & Co.....11
 Caldwell the Woodsman Co.....138
 California Nursery Co.....11
 Carmody J D.....161
 Chadwick Chas.....152
 Chicago Carnation Co.....153
 Chicago House Wrecking Co.....162
 Christy Wilbur A.....142
 Cincinnati Cut Flo Co.....141
 Clark Wm A & Son.....155
 Clipper Lawn Mower Co.....158
 Cohen J M.....140
 Coles W W.....153
 Conard & Jones Co.....154
 Conley John & Son.....156
 Coolidge Bros.....160
 Cottage Gardens.....155
 Coventry M J.....155
 Crabb & Hunter.....152
 Craig Robt & Son.....154
 Critchell's.....155
 Crouch Mrs J W.....159
 Cunningham Jos H.....142
 Cunningham D O Glass Co.....1V
 Davis Bros.....151
 Deamud J B.....139
 Detroit Flo'r Pot W'ks.....158
 De Lichtbuer A Cardon II Dexter Lillian Allen.....135
 Dickinson Co Albert.....11
 Dietsch A & Co.....154
 Dillon J L.....150
 Dodge W W.....156
 Dornier Fred & Sons Co.....153
 Dreer H A.....149
 Duane & Co.....158
 Eastern Chemical Co.....156
 Edgar W W.....151
 Eichholz Conrad.....11
 Eichholz Henry.....149
 Ernest W H.....158
 Ferguson John B.....140
 Finley Lawn Rake Co.....138
 Florida Nat Prod Co.....142
 Florists' Exchange.....144
 Ford Bros.....141
 Foster Lucius H.....151
 Gardeners Chronicle.....154
 Gardening Co The.....164
 Garland Geo M.....164
 Geller Sigmund.....156
 Ghormley Wm.....141
 Gibbons H W.....1V
 Giblin & Co.....159
 Globoczy Alex.....144
 Gorton & Lidgerwood.....154
 Gullett & Sons W H.....150
 Gunther Wm H.....141
 Gurney Heater Co.....164
 Hazenburger Carl.....155
 Hall Ass'n.....167
 Hammond Benj.....156
 Hancock Geo & Son.....155
 Hancock Joseph.....155
 Heint Jos.....150
 Heiss J B.....150
 Hennecke C Co.....158
 Herendeen Mfg Co.....1V
 Herr Albert M.....142
 Herrmann A.....156
 Hews A H & Co.....158
 Hinger Bros.....158
 Hill E G & Co.....1
 Hilpperd E.....167
 Hitchings & Co.....163
 Holton & Hunkel Co.....138
 Hooker H M Co.....162
 Hoopes, Bro & Thomas.....144
 Horn Edw C.....141
 Hort Adv.....139
 Hose Connection Co.....156
 Hull & Co.....162
 Hunt E H.....152
 Inall Richards.....153
 Invalid Appliance Co.....158
 Jackson & Perkins Co.....144
 Jackson E B.....155
 Jacobs S & Sons.....1V
 Jennings E B.....152
 Jennings Bros.....142
 Johnson & Stokes.....152
 Kaden H.....149
 Kasting W F.....140
 Keller Bros.....158
 Keller Geo & Son.....158
 Kellogg Geo M.....141
 Kennicott Bros Co.....143

Kift Robert.....156
 Kilbourn R.....154
 Kroeschell Bros Co.....1V
 Kuehn C A.....140
 Kuhl Geo A.....157
 Lager & Hurrell.....155
 Lakey w Rose Garden.....149
 Lamprecht Bros.....153
 Lang Julius.....141
 Ley John H.....155
 Limprecht S J.....141
 Lindsey the Florist.....152
 Lockland Lum Co.....162
 Long D E.....144
 Lonsdale Edwin.....155
 Lord & Burnham Co.....11
 Lucas J & Co.....1V
 Lucas J & Co.....140
 Lynch W E.....139
 McCarthy & Co N F.....140
 McCrea & Co.....147
 Moraddeh E C.....142
 McFarland John.....152
 McKellar & Winterson.....139
 MacBean A S.....140
 Made Paul.....155
 Marquise L E.....144
 May L L & Co.....152
 Meyer John C & Co.....156
 Millang & Co.....141
 Millang Frank.....141
 Miller F J.....153
 Moller Plant Stake Co.....160
 Muller's Gartner Zeltung.....144
 Moninger J C Co.....160
 Montana Fertilizer Co.....156
 Moon Samuel C.....144
 Moon Wm H.....144
 Moore, Hantz & Ash.....141
 Morris Florist Co.....152
 Moss Geo M.....140
 Murphy Wm.....153
 Myers & Co.....164
 Nanz & Neuner.....150
 Nickle Pike R R.....147
 Nielsen.....141
 Noenne & Hoepker.....11
 N Y Cut Flower Ex.....14
 N Y Cut Flower Co.....141
 Overman E F.....153
 Pennock Sam'l.....140
 Perry Taylor & Co.....144
 Pierce F O Co.....1V
 Pittsburg Cut Flo Co.....138
 Pollworth C C Co.....138
 Prince A G & Co.....139
 Quaker City M'ohwks.....160
 Randall A L.....139
 Rayner J.....141
 Reed Glass & Paint Co.....1V
 Reed & Keller.....156
 Regan Printing House.....154
 Reinberg Geo.....139
 Reinberg Peter.....139
 Reizer Walter & Co.....151
 Rice M & Co.....157
 Rider-Ericsson Eng Co.....160
 Rodgers Alex.....11
 Bolker A & Sons.....11
 Rose Mfg Co.....156
 Rupp John F.....142
 Sander & Co.....152
 Sandie Adam.....1V
 Schmidt J C.....142
 Schwelgert Chas.....151
 Scollie John A.....162
 Sheridan W F.....141
 Siebrecht & Son.....137
 Situations & Wants.....137
 Skaboura Dip Co.....156
 Smith Nath & Son.....154
 Smurthwaite Pro Co.....11
 Soltau C.....11
 Souster Geo.....153
 South Park Floral Co.....143
 South Starry Flors Co.....153
 Stahl Chas B.....140
 Stearns Lumber Co.....162
 Stoothoff H A & Co.....11
 Storrs & Harrison Co.....144
 Stryer J J.....142
 Sutherland Geo A.....140
 Swain Pottery Mfg Co.....159
 Tesson Robt F.....154
 Thorburn J M & Co.....142
 Tobacco Warehousing and Trading Co.....159
 Treandly & Schenck.....141
 Vall Seed Co.....145
 Van Wert Greenhouses.....155
 Vaughan's Seed Store.....142
 Viok's Sons Jas.....11
 Vincent & Son.....153
 Vredenburg & Co.....11
 Wash R H.....153
 Walz John.....150
 Watson G C.....11
 Watson W H.....152
 Weathered's Sons Thos W.....159
 Weber J E Sons.....159
 Weber & Don.....141
 Welland & Risch.....139
 Welch Bros.....140
 Wettlin W A.....153
 Whittlin Pot Co.....158
 Wieter Bros.....139
 Witbold The Geo Co.....1
 Wood Bros & Bernheimer.....140
 Wrede H.....11
 Young Jno.....141
 Young & Ngent.....141
 Young Thos Jr.....141
 Zirngelbel D.....11



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

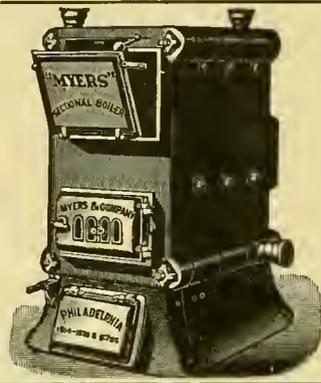
We manufacture Boilers capable of heating any size Greenhouse

RELIABLE-DURABLE-ECONOMICAL. SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.

GREENHOUSE MATERIAL,
 Cal. Red Cedar and Louisiana Cypress.
 BEST GRADES, PERFECT WORKMANSHIP.
A. DIETSCH & CO. 615-621 Sheffield Ave. CHICAGO, ILL.

Finley Rotary Lawn Rake.

Something New.



"PAPA! WE CAN RAKE YOUR LAWN."

THIS IS A CUT SHOWING THE FINLEY LAWN RAKE IN OPERATION

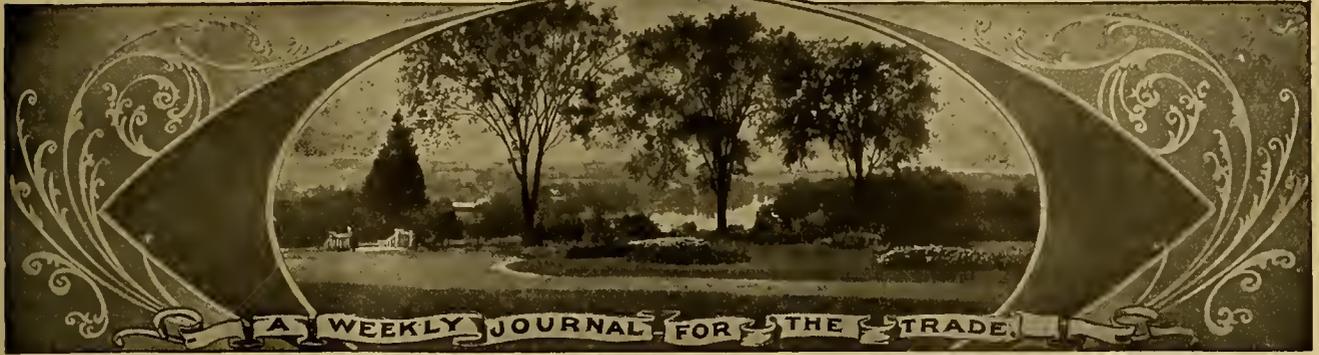
The mower and reaper succeeded the scythe; the thrasher succeeded the flail—but never until now has a machine been invented to take the place of the antiquated hand rake. This machine has arrived. This is it. YOU NEED IT.

A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves and small loose litter of any kind, stones included, that a HAND rake would not touch. A man can rake three times as fast as with a hand rake. A CHILD can run it. Just the thing to fight crab grass. Send for Particulars. It will save its cost in 60 days on any good lawn.

FINLEY LAWN RAKE CO., PRICE \$12.00. JOLIET, ILLINOIS.

COLDWATER, MICH.—D. Vogt's recent increases in his glass have necessitated additional heat and he is installing a thirty-five horse-power boiler.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, SEPTEMBER 1, 1900.

No. 639.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 87 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901)
Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

The welfare of the S. A. F.	165
After the convention (illus.)	166
Convention musings	166
Special awards at New York	166
The S. A. F. at Glen Island (illus.)	167
The exhibition and decorations (illus.)	168
What is a hardy perennial?	168
Floral decorations	168
The improvement of the carnation	170
Hydrangea culture (illus.)	171
Hardy herbaceous subjects for late planting	171
Pao-American notes	172
Original ideas in floral arrangement (illus.)	172
Roses—Growing American Beauty	172
—Shading rose houses	173
New York	173
Philadelphia	173
Reward—Stolen	174
Greenhouse building	174
Chicago	174
Obituary—J. L. Willey	174
—Mrs. B. F. Gregory	175
—John Latog	175
The seed trade	180
Boston	180
The nursery trade	180
Los Angeles	182
Our pastimes—Chicago's laurels	184
—New York matters	184
—Overheard and otherwise among returning pilgrims	184
—Echoes of the New York tournament	184
Impressions of the convention	184
St. Louis	186
Buffalo	188
The propagation of verbenas	192

The Welfare of the S. A. F.

[An address by Robert Craig, of Philadelphia, before the Society of American Florists at the New York Convention.]

I have been appointed to open a discussion on "The Welfare of the National Society," and, while I am fully aware that, in view of the large amount of work to be done in a very short time, such discussion must necessarily be brief, I think it well that we should hear the views of the members on this most important question. We all appreciate now that our society has been and will continue to be a great educational force; that it has stimulated and developed floriculture along many lines and it is quite proper that we should consider at this, the largest and most important meeting we have ever held, how we may improve the workings of the society itself, which has done so much for us all.

We are impressed with the fact that the society is at this time stronger than it has ever been before, and we are delighted with the evidences of the many warm and powerful friends the society has here in the metropolis of our country. On every hand we see evidences of their earnest and capable work. We have the greatest trade exhibit we have ever had, and the finest exhibition and the New York Florists' Club has given us a delightful and valuable souvenir book, particularly interesting in its history of floriculture in its earlier stages in the vicinity of New York, as well as in the forcible facts presented relative to its present status—truly a marvelous development. The editor of this work deserves our gratitude and praise, as do all those who have so ably assisted him. The book is worthy of the great city it represents and will long be treasured as a memento of this great meeting. As long as we have such workers as our New York friends have proven themselves to be, the welfare of the society is assured.

I find it difficult to suggest any new features likely to be of benefit to the society. Its management has been in the hands of many of the most capable men in the country, and their time and thought has been freely given to it. Its annual reports show that we have had at our yearly meetings valuable essays on cultural methods, on building and heating greenhouses, and on almost everything pertaining to the business, by practical men who had given these problems much study, as well as scientific papers from college professors and other

specialists on plant diseases, insecticides and fertilizers, which contained information which the practical florist had neither the time nor the necessary apparatus to obtain for himself. I do not hesitate to say that these annual reports constitute the most valuable business library a florist can use.

I think, therefore, we should do well to continue working along much the same lines as heretofore, cultivating closer and more cordial relations between the government experimental stations and the botanical departments of our great colleges, both of which have shown repeatedly a disposition to aid us in every possible way. I understand there will be a proposition at this convention from Purdue University, Lafayette Ind., for this society to appropriate a small sum of money for experiments in sub-watering, the result to be reported at our next meeting. I hope this society may do this and also earnestly consider all like propositions which may come before it. It might perhaps be well for the society to hold a meeting and exhibition during Lent for the purpose of showing particularly cut flowers and novelties in plants at a more favorable time than is the month of August, which is a very unfavorable time for a meeting, having for its only advantage the fact that it is the vacation time of the year, when florists can best afford the time to attend. But an exhibition in winter or early spring would be very attractive and would undoubtedly be well attended.

Another feature already established which deserves encouragement is that of life membership. I can think of nothing which would more greatly benefit the society than an increase of the life membership list. It has been wisely determined that the money received from life members shall be invested permanently, the interest therefrom only being available to the use of the society, so that in becoming a life member one may feel that even after being removed by death his subscription will continue to benefit the society. We should have at least 1,000 members in a country like this, and could have that many if the present members would take hold of this matter in the right spirit. I hope the younger members of the society will take a greater interest. We need the vigor and enthusiasm that belongs to youth, and there is no way by which a young man can benefit himself more, as well as the society, than by taking an active part in the proceeding and by studying the

problems which concern us all, and thus qualifying himself to take part in the proceedings. Every man should do what he can, on the Baconian principle that "every man is a debtor to his profession."

After the Convention.

Here we have the popular secretary of the New York Florists' Club, enjoying a well earned rest after the labors incident to the convention. Mr. Young was one of the hard workers, and the many friends who benefited by his zeal and courtesy will not begrudge him a holiday now, for when there was work to be done he was always found on the ground floor and never "up a tree."

Convention Musings.

Since arriving home from the great convention I've been meditating. They say that meditating is a lazy man's job. Perhaps it is, but the man who went to New York last week and made an effort to take in everything offered between Tuesday morning and Friday night and does not feel lazy this week must be constructed of steel. Yes, I confess, I'm glad to get home and am satisfied that my trip has furnished me food for profitable thinking for the coming twelve-month. If asked what impressed me most strongly at New York, I would unhesitatingly answer, the wonderful system, the perfect organization, the punctuality and order pervading every feature of the convention proceedings and the exhibition, every detail of the work of the New York Florists' Club, at Glen Island, at Prospect Park, everywhere and always. Equally impressive was the object lesson of the great combined exhibition. Between the two grand sections, trade and amateur, only emulation as to which should bring to New York and to American horticulture the greatest honor. And this is the very thing that we have been told, numberless times, could never be brought about in New York. Never before has the fraternal idea been so fully demonstrated; the patience and good nature of the exhibition managers in their trying duties cannot be too highly commended; the courtesy and liberality of the managers of the building will never be forgotten.

The most valuable innovation, to my mind, was the establishment of a press bureau. This feature worked so successfully that its adoption as a regular adjunct of future conventions is inevitable. Another commendable improvement over past conditions was the division of the duties of the secretary's office among several capable assistants. The bureau of information filled a long-felt want and the scheme of numbering the Glen Island dinner tickets so that the holder knew just when he would be served worked to perfection. The enterprise displayed in the make up of the beautiful souvenir book merited the highest praise.

I am told that the exhibitors in the trade exhibition were remarkably successful in disposing of their displays and in the taking of orders for future delivery. The claim of unprecedented success is freely made by all and this department of the annual meeting is today stronger than ever. The secretary's report shows that the department of plant registration has already demonstrated its indispensable value; the thoroughness of the legislative committee's report astonishes us with its suggestion of the society's power; the assurance of bright prospects

for the acquirement of the long-sought national charter fills us with new aspirations, and the cordiality and recognition bestowed upon our organization by state and civic authorities, by the metropolitan press and the Agricultural Department of the national government awakens us to possibilities of future influence and usefulness far beyond our most sanguine anticipations. Truly the New York convention was an "eye opener," and if there are any grumblers they are doing their grumbling "under their breath."

As to New York itself, emotions conflict. "Closed for the summer" gave a somewhat dispiriting look to the amusement centers that, in their season, turn midnight in the metropolis into noonday. Even the Bowery was deserted. But Coney Island was very much alive and everybody had to see it and the roof garden furnished cool and refreshing recreation even if not of the highest grade of talent. For the country visitor there



JOHN YOUNG.
Secretary New York Florists' Club.

were some surprises and ideals were rudely shattered in many instances. To see old-fashioned horse cars preambulating the streets of the metropolis still, makes the rural cousin open his eyes in wonder. I boarded a Broadway car the first morning I was in town; had to jump for it as the conductor struck the bell to go ahead before my foot was firmly on the step. His insolent "step lively," was still rankling in my bosom when I noticed that he was chewing gum. A glance over the passengers disclosed three girls working their jaws vigorously in the same employment. I had supposed gum chewing to be confined to rustics. A young lady sitting beside me had, from all appearances, been having a fearful tussel with the mosquitoes the night before. From her conversation with a friend I learned she came from Long Island. Thus did I find out that all the mosquitoes are not quartered in Jersey. But New York street cars have one redeeming quality in the free transfer system. The rest of the country might take lessons here to advantage.

To return to the convention; the absence of inclination to discuss the

papers was noted by many and regret expressed over the change. Oh! for one day of the good old times when half a dozen eager disputants clamored "Mr. Chairman!" for prior possession of the floor and the roof shook in response to impassioned oratory. Now it is all decorous committee reporting. I observed that the state vice-presidents have not yet reached a proper appreciation of the dignity of the office they hold. Only three were on hand to report at the designated hour. The secretary told me that quite a number of them had handed in written reports, expecting somebody to read them for them, however. The vote to pass these over and merely print them in the annual proceedings was just what they deserved.

Special Awards at New York.

At the trade exhibit at the New York convention the judges bestowed a number of S. A. F. certificates of merit and accorded special mention to a number of exhibits, as follows:

CUT BLOOMS.

Arthur Cowie, Meadow Vale Farm, Berlin, N. Y., certificate of merit for collection of hybrid gladioli; special mention for *Gladiolus White Lady*.

Floral Exchange, Philadelphia, certificate of merit for its new rose, *Queen of Edgely*.

Henry A. Dreer, Philadelphia, certificate of merit for collection of nymphæas; special mention for two seedlings, *Nymphæa Gloriosa* and N. Mrs. C. W. Ward.

PLANTS.

Robert Craig & Son, Philadelphia, certificate of merit for crotons; certificate of merit for specimen Boston fern.

Cottage Gardens, Queens, N. Y., certificate of merit for new geranium, *Little, Pink*.

Bobbink & Atkins, Rutherford, N. J., certificate of merit for hardy evergreens; certificate of merit for *Eurya latifolia*.

H. Dryer, Woodside, L. I., certificate of merit for cyclamen.

John F. Cowie, Berlin, N. Y., certificate of merit for hybrid dracænas.

Siebrecht & Son, New Rochelle, N. Y., special mention for palms and decorative plants.

FLORISTS' SUPPLIES.

White Enamel Refrigerator Co., St. Paul, special mention for ice box.

A. H. Hews & Co., North Cambridge, Mass., special mention for earthenware urns.

W. C. Heller & Co., Montclair, N. J., special mention for mice proof seed cases.

Bobbink & Atkins, Rutherford, N. J., special mention for Hasselt pottery.

A. Herrmann, New York, special mention for metal designs in baskets.

H. Bayersdorfer & Co., Philadelphia, special mention for complete collection of supplies.

W. C. Krick, Brooklyn, special mention for immortelle emblems.

N. F. McCarthy & Co., Boston, special mention for florists' vases and letters.

Excelsior Plant Co., New York, special mention for jardinières and plant stands.

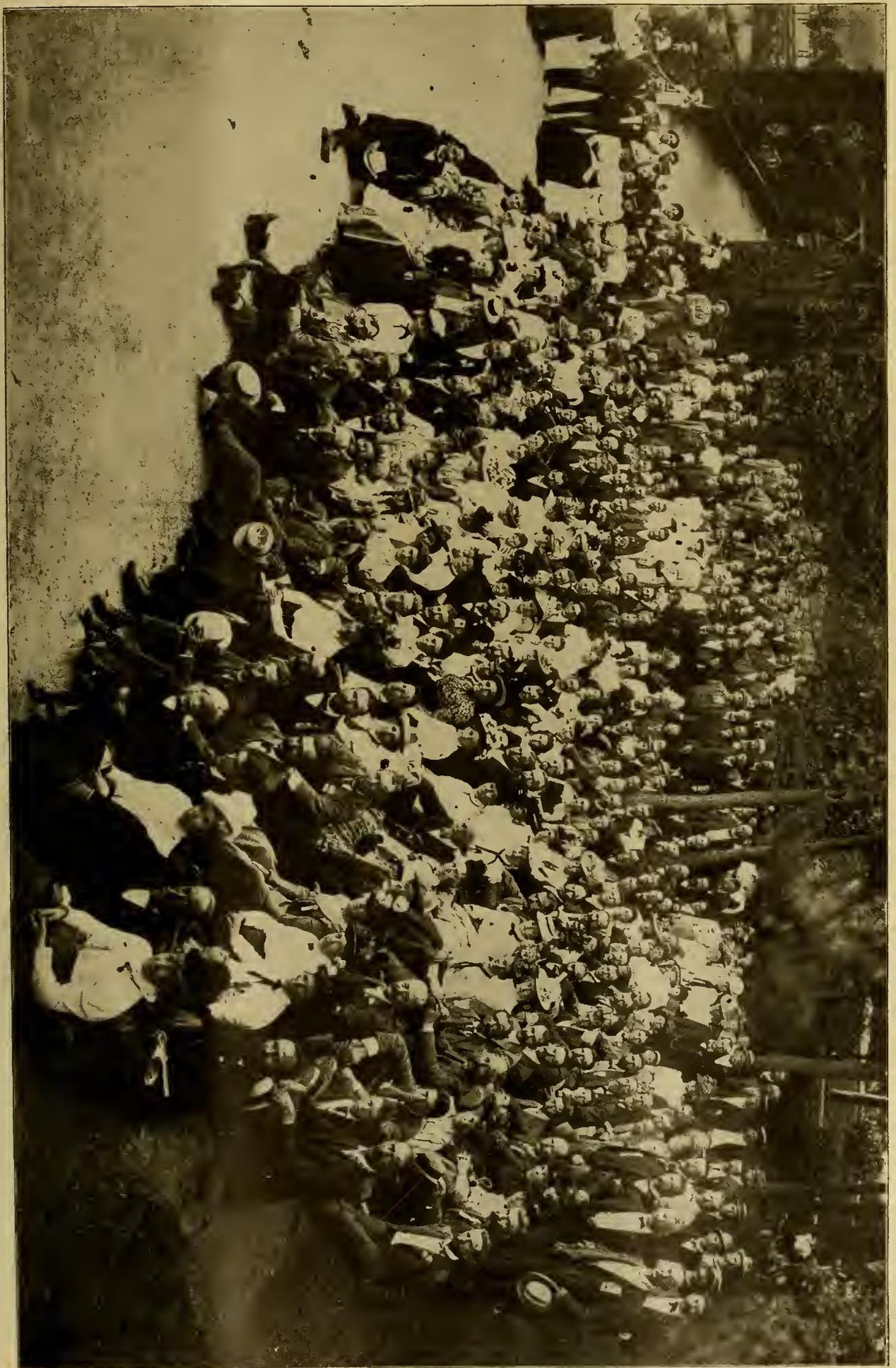
Emil Steffens, New York, special mention for wire designs.

Reed & Keller, New York, special mention for designs, vases, baskets, etc.

Sigmund Geller, New York, special mention for wheat sheaves and French baskets.

BOILERS.

Lord & Burnham, Irvington, N. Y., certificate of merit for sectional boiler; honorable mention for Improved No. 5.



A GROUP OF FLORISTS AT GLEN ISLAND, NEW YORK, AUGUST 23, 1900, THE DAY OF THE S. A. F. EXCURSION.

Herendeen Manufacturing Company, Geneva, N. Y., certificate of merit for New Model Furman boiler.

H. W. Gibbons, New York, special mention for standard steam or hot water boiler.

Wm. H. Kay, New York, honorable mention for two styles of hot water boilers.

John A. Scollay, New York, special mention for hot water boiler and for patent pipe joint.

Thos. W. Weathered's Sons, New York, special mention for sectional hot water boiler.

Hitchings & Co., special mention for cast iron tubular sectional boiler.

Gorton & Lidgerwood, New York, honorable mention for magazine steam boiler.

MISCELLANEOUS.

Finley Lawn Rake Co., Joliet, Ill., certificate of merit for rotary lawn rake.

Rustic Construction Co., New York, certificate of merit for display of rustic work.

Robert Kift, Philadelphia, special mention for patent vase holders and flower tubes.

D. B. Long, Buffalo, special mention for photographs and advertising novelties.

W. H. Kay, New York, special recommendation for display of garden hose.

The Sultare Co., New York, especial recommendation for display of insecticides, etc.

N. F. McCarthy & Co., Boston, compliments for method of displaying hose menders, couplings, etc.

The Exhibition and Decorations.

At no time in the history of the S. A. F. has the local club of the convention city been of such importance as at this last gathering of the century. One feature of great profit and enjoyment was the horticultural exhibition, the work of gardeners for various private estates. It was a revelation to many and a source of much pleasure to all. The engraving gives but an idea of the individual beauty of each exhibit and magnitude of the whole. The exhibition occupied the central portion of the building, while the trade exhibit extended under the gallery on each side and covered a large area at

the rear. This was much more extensive than usual.

The feature which at once awakened us to the generous good will and hospitality of the New York club was the elaborate and beautiful decoration of the audience room. The engraving here shown gives but a faint idea of the magnitude of the undertaking, the entire ceiling being covered with oak branches with the foliage hanging down in its natural position, the many pillars being covered with vines and decorated, some with gladioli, some with hydrangeas and grasses, giving the effect of a forest of oak trees with the trunks covered with growths of vines and flowers. Around the walls were large palms and laurels, with several panels decorated profusely with tritomas. All the flowers were preserved by glasses of water made invisible by foliage. Only those who saw the decoration can appreciate the untiring effort and skill which the work required.

C. B. W.

What Is a Hardy Perennial?

The decision of the judges at the horticultural exhibition in connection with the recent convention of the S. A. F. opens the way to a wide discussion on the subject, what is meant by "hardy perennial?" The points in question are these: The schedule called for a collection of hardy perennials and bulbous plants of not more than twenty-five species. Two of the exhibitors were disqualified, because one had in his collection a vase of *Clematis paniculata*, the other a vase of *Desmodium penduliflorum*. I venture to assert that there is not a single florist or gardener in this country who ever before heard that these plants were not perennials and there is no question of their hardiness in the vicinity of New York.

On my calling the attention of the manager of the exhibition to the matter I was informed that it was herbaceous perennials that were meant by the schedule, although it did not say so, and the judges gave that decision. This statement was confirmed to me later on by one of the judges, who said that on the advice of the manager as to what was meant in the schedule, they gave that decision. Now, had the judges any right to give that decision without con-

sulting other members of the committee? Was not the manager himself a competitor of the class in question?

When I asked what these plants were, if not herbaceous, I was informed that *Clematis paniculata* was a climbing shrub and *Desmodium penduliflorum* a shrub. Who ever saw *Desmodium penduliflorum* not being herbaceous? True, the stems are rather hard-wooded, still not any more so than *Hibiscus Crimson Eye*, and I noticed a vase of this plant in the collection of the winner of the first prize.

A plant, the writer is aware, was widely distributed both in Europe and America as *Desmodium penduliflorum*, but this was not a *desmodium* at all, but *Lespedeza bicolor*, and, moreover, it was the true *desmodium* that was in the collection in question. *Lespedeza bicolor* is a shrub. That *Clematis paniculata* is not herbaceous is doubtful. It certainly is herbaceous for the first two or three years after planting.

As before stated the schedule reads "collection of hardy perennials and bulbous plants." If the manager and judges interpreted it to mean hardy herbaceous perennials why did they not also interpret it as hardy bulbous plants? Are gladioli hardy? A vase of these was in the first prize collection. It would be well for societies in getting up schedules for exhibitions to state plainly what is meant, for the good old days when a spade was a spade are of the long ago.

JOHN W. DUNCAN.

Floral Decoration.

BY ROBERT KIFT, OF PHILADELPHIA.

[An illustrated lecture read before the Society of American Florists at the New York Convention.]

The title of my paper covers the whole field of floral arrangement, the principal divisions of which are church, house and table decorations. Any one of these could be but touched upon in the limited time at my disposal. I shall consider them, therefore, in the broad sense, as in the views which I have collected, examples of all classes of decorative work will be found. We read of the splendors of ancient Roman and Egyptian banquets, where flowers were said to have been so lavishly used; unfortunately I have no photographic views of these to offer you, and it may be that newspaper reporters



THE LAVISH DECORATION OF THE AUDIENCE ROOM WAS A FEATURE OF THE NEW YORK CONVENTION.



A GLIMPSE OF THE BEAUTIES OF THE NEW YORK HORTICULTURAL EXHIBITION.

were also abroad in the land, then as now. While we may not hope to rival these celebrated fetes for some time to come, there is no doubt that the use of plants and flowers in decorations at all social functions is rapidly becoming more general. Large private entertainments or balls are now given by individuals, that for lavish display far exceed the former united efforts of the entire "four hundred." Wedding festivities are also, if possible, made greater society events, and at times tax the resources of the florist to the utmost.

Perhaps the greatest factor for the increasing recurrence of these elaborate displays is the occasional "carte blanche" order that, falling into good hands, is carried out with judgment and discretion, thereby producing a floral effect that delights all and encourages other patrons to even greater efforts when the occasion arises. On the other hand, money expended for flowers is too often considered wasted or of least moment. Editorials, even, have been written in the daily press, deploring the extravagant and senseless waste for such lavishness of flowers upon these occasions. The reverse is the case, however, as the delicacies and the music, considered so absolutely essential, are soon forgotten, while the decorations, greatly admired at the time, make a deep and lasting impression.

When an architect plans a house he sees in his mind's eye just how every room will look before a line is drawn. The floral decorator should be able to do the same with his work. A look over the ground and a study of the color effects of the furnishings and permanent ornamentations will show him just where the special features that he has in his mind can be displayed to the best advantage.

Every arrangement of flowers or plants, be it ever so small, should have some little touch to distinguish it, some individuality. Every room should have a point to which special attention is given so that on account of its novel

or tasteful arrangement it attracts attention. It is these special features that call forth admiration; they make a lasting impression that is carried away; they are the life of the work.

Every decorator should provide himself with neat wooden and wicker pedestals of various heights. Iron stands, some adjustable and fitted with tipping devices to hold a plant securely on its side, are also useful. Pot covers in good assortment of sizes are indispensable. All the above, except a few for special occasions, should be painted a foliage green, as it is the plants that add beauty and grace; the covers and pedestals are merely accessories, and should be concealed as much as possible. Tall flower vases for chrysanthemums or American Beauty roses are almost a necessity. These can now be had in silvered wicker with zinc lining, not better than glass but much more lasting.

If the order calling for a house decoration is elaborate, have a base of operations; put your boxes in the laundry or other cool room in the basement and work from there; this confines the litter mostly to one place and keeps the stock in better form. The foliage and flowers for each room should be selected and boxed separately from a list previously made out, showing the different points where each lot is to be used, which, when ticked off, makes the order complete. This should follow with all plants, pedestals, pot covers, vases and other accessories, which when checked again, insures the safe return of all that have gone out and means a great saving in the course of a season's work.

Those of the trade who make a specialty of large decorations soon become more than mere florists and appropriate the word decorator. They also add to their force upholsterers, carpenters and electricians, and are obliged before long to hire storage room for the properties that accumulate and which, by re-arranging, can be utilized time and time again. I must also speak of the kneeling stool or Prie Dieu. Some form of this useful arti-

cle should be found in every decorator's stock, it being indispensable at a house wedding and is also often an essential feature at the church.

Within the past twelve to fifteen years the decorator has called to his aid the evergreens of the woods. Laurel branches and wreathing made of their sprays were first used, then that grand southern vine, the wild smilax, was introduced by A. C. Belschig, of Savannah, Georgia, in 1888. I have an interesting letter from Caldwell, the Woodsman, who, while he does not claim to be the original smilax man, is without doubt the genius who found out its commercial value and, having faith, devoted his whole time to collecting and getting it before the public. He invented the light packing case and obtained special express rates, so that now it can be had in almost any city of the Union and Canada during its season, and he thinks the entire output of last season would probably reach over 3,500 cases. Palm leaves and crowns, as well as leucothoe sprays and galax leaves are also used extensively. Wild smilax adapts itself to almost any kind of wall or suspended form of decoration; each spray seems as if especially selected for arranging over this picture or mirror, or over that doorway, as the case may be. The only danger lies in its too promiscuous use, as then its naturally irregular and graceful form is lost in the mass of foliage.

I could describe a number of beautiful effects made by combinations of flowers and foliage, but think you will be able to get a better idea from the pictures about to be thrown upon the screen, nearly all of which have one or more features to commend them.

I will only say, try and let your individuality show in the work; do not rest satisfied with something that any one who had the material on hand could do. The mere setting a few plants about in the corners, crowding some ferns together on the mantle and hanging strings of smilax in which a few carnations have been wired, will not build up a reputa-

tion. Customers rarely know what is required, they expect the florist to have ideas, they look to him to tell them what they should have, the rest being merely a question of price.

In conclusion, I believe that one of the most important elements in a decoration is to be on time. Many an otherwise faultless job is spoiled from lack of time in which to carry out all that was promised. What should have been a brilliant victory, so to speak, was turned into defeat, the florists retreating in confusion through the rear door while the guests were entering the front. There should be time, indeed, for a final inspection and, if necessary, a touch here and there, that, while not in the contract, adds much to the work and leaves nothing to be desired. Then what a satisfaction there is in going about with the host and hostess and hearing from them that they are well pleased and that everything is exceedingly satisfactory. You may be very tired but you go away from their presence with a light heart and feeling of gratification that amply repays for all your efforts.

The Improvement of the Carnation.

BY WILLIAM WEBER, OAKLAND, MD.

[Read before the Society of American Florists at the New York Convention.]

When we contrast the carnation of to-day with the carnation of fifteen years ago, we behold a difference so vast that, had it been foretold at that time, the would-be prophet would have been made light of. Very naturally we all expect to advance continuously, but at that time we scarcely thought we would accomplish more in fifteen years than had been done in the preceding fifty. Yet when we look at the world in general, we are, after all, forced to admit that we have merely done what could naturally be expected. Had we not made such strides we would not deserve to be called progressive, or equal in animation with the spirit which pervades all other branches of industry.

I am charged with the mission of telling you the story of "The Improvement of the Carnation." The whole story, while very simple, would be of such length as to prove irksome did I attempt to tell it to you in detail as it occurs to me; I will, therefore, be as brief as possible, leaving the hundred and one little things which always form a part of the whole to your imagination.

Improved methods of culture stand out

in bold relief as being the most important item of our subject. How different are the methods we use now when compared to those of a decade or more back. We house our plants now from six to eight weeks earlier than we used to do. Then we merely tried to get them all in before damaging frosts should arrive. The result was usually very large plants, with an abundance of shoots. Leaving out the winter culture in the greenhouse, and presuming they were to be grown in their natural way, these large plants were good subjects to winter over, and produce an abundance of flowers the following year; in other words, they were ready for their winter's sleep.

What happens when large plants are planted late in the season is this. The time left for them to become established on the benches is decidedly too short. It will take two weeks in September or October to accomplish what one week in July or August would do in the way of filling the soil with roots. When this is accomplished, the plants are ready for work, and not before.

The product of a poorly, or partially established plant cannot approach perfection. When we plant late there is no time for thorough establishment to take place and the result will, in nearly every case, be a large crop of medium grade flowers at best. And where the culture is indifferent, quantity as well as quality will be inferior.

The merits of early planting are not as fully recognized as they should be. Early planting is one of the bulwarks of the present high standard the carnation of to-day enjoys. The reason is very simple. When we plant in July and August we are giving the plants ample time to become thoroughly established before the days are so short, and there is consequently less light to help them along. Then we have our plants in good working condition and the carnationist can commence feeding his plants judiciously, and with the exactitude and nicety of one who thoroughly understands this subject.

Early planting may mean a few less flowers, but this will be more than made up in the better quality and greater length of stem than could be expected from the late planted stock.

A careful study of our soil, what it contains and what it lacks; what constitutes plant food, and how plants feed, are matters which demand the fullest consid-

eration. We cannot hope to accomplish anything of real value unless we work along these lines.

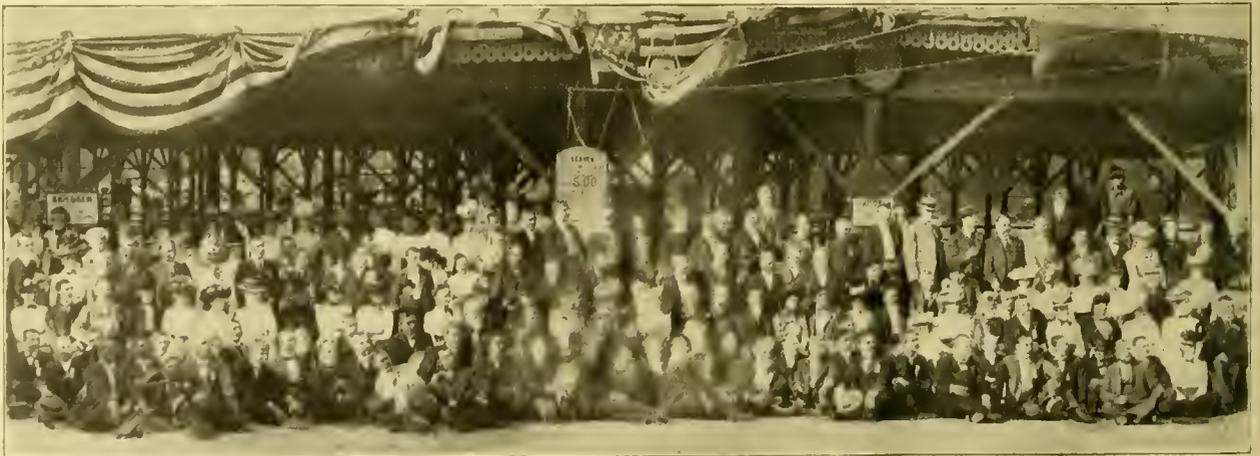
The grower who will stop trying to do as well this year as he did last year, and instead make a systematic effort to each year eclipse last year's record, will soon be in line with the best growers in the land. What we need is to stop guessing and become so infused with our task that we will soon have all the ideas of our own we can manage and put to the test. In this manner each one working along his particular line of thought will evolve some points, perhaps, which his neighbor in the field may not, and in this way help to contribute to the store of knowledge which is being steadily collected and which will doubtless be preserved in history.

As soon as we learn to depend on ourselves, we begin forthwith to improve. What matters it if we do make a few mistakes? Is there any one here who hasn't made them? I believe not. They simply serve to guide us in our work and teach us the value of proceeding with our eyes open, to never experiment on a scale so large that the failure of the experiment would swamp us. If we manage it carefully the results will inspire us with a confidence known only to those who thoroughly understand their calling; be he florist, engineer, merchant, soldier, or what not, it is all the same.

Great as has been the improvement of the carnation in recent years, all indications point to a still greater improvement in the near future. No small factor is the modern houses which are being built. One would think that we had nearly reached the limit in perfect greenhouse construction, but each year shows some little defect and a way to overcome it. The palatial houses now used form one of the greatest contrasts to the methods of a few years back, and no small portion of the carnations' improvement is directly due to this one thing.

Everybody knows the absolute necessity of careful selection of stock, and doubly so in the selection of cuttings, and their proper care, so that I can say nothing new along this line. One of the evils of to-day is a tendency to "bite off more than we can chew;" it is poor policy and would better be abandoned, as it means only a loss of reputation and money.

I have thus far said nothing of the seedling man, the hybridist. Certainly a very large slice of the credit and the honor the carnation now enjoys is due to



A GROUP OF FLORISTS AT GLEN ISLAND, NEW YORK, AUGUST 23, 1900.

his efforts. We are wont to kick and to cuff him for the indifferent and poor varieties he has burdened us with, but through it all shines the fact that he is a most deserving fellow and has labored hard for the advancement of the carnation.

We have passed the era when any medium-good variety may be disseminated. We now expect some special feature in a new candidate for honor. Hybridists understand this fact very well and we are promised some sensations at our annual meeting in Baltimore next February.

There is only one real, practical standard by which we can judge a carnation, and that is its ability to make money for the grower. It would be unfair to seedling raisers did we intimate that this fact is not always kept in view. We cannot expect to scale the ladder at a single bound, and must therefore be content with a gradual ascent.

The foregoing, I believe, will cover in general the practical part of the improvement of the carnation, but there is another side to be seen, another force to be reckoned with. The various trade journals must come in for their share, and so must the different florists' clubs and societies which give exhibitions from time to time and award prizes, thereby stimulating interest as well as a friendly rivalry.

It must be admitted, however, that the greatest of these forces is that biggest and proudest baby of the S. A. F., the American Carnation Society. The mother society may well feel proud of her offspring. We are accomplishing in a systematic way things which would be impossible were not the American Carnation Society in existence. This organization brings together annually the carnation lovers from all parts of the country. That these meetings and exhibitions accomplish great things must not be doubted for an instant.

The practical fruits which resulted from the great advertising the carnation received as a result of the deal which made the Lawson carnation the property of Mr. Thos. W. Lawson, was largely brought about by the carnation society. If there had been no carnation society there would have been no Lawson fund, and likewise no Lawson medals. That interest in the society on this account has increased a hundred fold is certainly true. Mr. Lawson has been a potent factor in the advancement of the carnation and the beautiful flower which bears his wife's name is a fitting example of the up-to-date carnation.

To sum up every detail, and give due credit to each for the part played by it in bringing the carnation to its present standard, would make a long story. I will leave this for you, and believe that you agree with me that the small as well as the large items are necessary to complete the list, the whole forming one grand pyramid.

A glance at the future is always interesting. During the next ten years we may expect many great changes in the cultivation of the carnation. Perhaps even a revolution. Prof. Arthur and others have started us to experimenting with sub-watering, the ultimate success of which would be fraught with incalculable benefit to the grower, and at the same time reduce very largely the labor connected with the daily care of the plants. The principle of sub-watering is all right and out of the experimenting now going on some good must certainly come. That a good many failures are



HOUSE OF HYDRANGEAS GROWN BY ALEX. CLARK, OF ERIE, PA.

being met with in these experiments is very natural. We cannot hope to be successful to any great degree at the very outset. We must first become thoroughly familiar with the idea and the principles of sub-watering, and the effect under varying conditions it has upon the plants before we will be in a position to reap the benefits of our experiments.

A few years ago when indoor culture was first suggested for carnations the idea was received in anything but a favorable light. In spite of this, however, we have been gradually drifting towards indoor culture. Many now house their plants as early as the first week in July. Thus half the distance between outdoor and indoor culture has been traversed. Whether the remaining distance between the two systems will be covered remains to be seen.

One of the most important matters in connection with indoor culture is thorough ventilation. When we have mastered this fully we may expect good results from indoor culture. What the hybridist will bring forth in the near future is always interesting to conjecture. There must be some law or system in nature regarding color, etc., and possibly by degrees, study, work and practice, these secrets might be gradually unfolded to us. At any rate we know that these things will not come to us unless we make some effort.

Hydrangea Culture.

The hydrangeas shown in the illustrations were grown from cuttings propagated in March, 1899. When well rooted they were potted in 2½-inch pots. The tips were pinched out once before the plants were set in the field, which was about June 1. After planting out they were stopped once more. The season was very dry and no artificial watering was given and they were often wilted; the result was a short growth, thoroughly ripened. Early in October the plants were lifted into 6-inch, 7-inch and 8 inch pots. The soil was one-third well rotted manure and a considerable portion of the roots were cut off to allow as much soil as possible in the pots, into which the plants were set firmly. They were wintered in a house where the temperature was seldom higher than 40°. Early in March the plants were moved

into a temperature of 55° and after they had started well they were given several applications of liquid fertilizer. They came in just right for Memorial Day and sold out clean. ALEXANDER CLARK.

Hardy Herbaceous Subjects for Late Planting.

It seems strange that more herbaceous plants are not planted during the latter half of August and the first half of September. All the spring and early summer flowering species and varieties, with very few exceptions, plant well at this time of year and make a fine show of bloom the next flowering season. If the planting is put off until spring, and it happens to be dry, the show is next to nothing in comparison.

If the place for planting happens to be where water cannot be given freely, it is better to wait until the first soaking rain after August 15. If, however, water can be given freely, any time after August 1 is good. We have town water supply and continue planting herbaceous subjects from April 1 till hard frost. It is not, however, advisable, to plant anything with evergreen foliage much after September 15, as such plants do not bear covering until the ground is frozen solid, and would not make enough root to prevent heaving if a few hard frosts should come early and be followed by mild weather.

It is safe to cover everything about the end of December, or before if the ground is frozen solid. We generally plant the most dormant plants first, such as the phloxes and pæonies, and leave those with evergreen foliage, such as *Phlox subulata*, *Iberis correatolia* and *Lychnis flos-cuculi* till last. When we can, we cover the last mentioned families with boards nailed together. Evergreen boughs and long straw are also good. The covering of such hardy plants as the phloxes and pæonies is only absolutely necessary with fresh-planted stock, but we find *Iberis correatolia* and *Lychnis flos-cuculi* are better covered, the latter because the roots are so brittle that freezing and thawing breaks them and the former because the foliage burns badly in February and March.

Quite a number of herbaceous plants do not bear being packed long in hot weather, so should be shipped by express. After the middle of September it is gener-

ally safe to have plants shipped by freight. After September 15 *Phlox decussata* and *P. suffruticosa* can be planted and a week or two later the *helianthus*, *helianthus*, *paenias*, *rudbeckias*, *spiraeas*, etc.

For August and early September planting we can recommend the following: *Achilleas*, *alyssums*, *anchusas*, *anemones*, *anthesis*, *aquilegias*, *armerias*, *campanulas*, *centaureas*, *cerastiums*, *coreopsis*, *delphiniums*, *dianthus*, *dicentras*, *gypsophilas*, *Helenium Boulanderii*, *hemerocallis*, *iberises*, *lupinus*, *lychnis*, *Mertensia Virginica*, *monardas*, *myosotises*, *œnotheras*, *papavers*, *pentstemons*, *phloxes*, *primulas*, *pyrethrums*, *Spiræa filipendula fl. pl.*, and *Viola cornuta*. There are many others, but those mentioned are the most in demand and will make a good show from spring until the end of June or middle of July.

Massachusetts.

R. N.

Pan-American Notes.

The weather for the past month has been rather dry on the whole, yet it has been very favorable for the development of the ground. But few hours have been lost since the opening of spring on account of wet weather. Since my last notes a great deal of finishing has been done to that portion of the ground lying south, east and west of the Mirror lakes. Many acres near the Elmwood avenue entrance are now in a most complete state. Flower beds are prepared and the grass, the sowing of which has been going on every day this summer, now gives this portion of the grounds a most finished and beautiful appearance. The rapidity and luxuriance with which the grass grows has been a revelation to our citizens and all visitors. Rudolph Ulrich has a large staff of men constantly seeding, and another gang continually following with the hose, and their labor is well rewarded. People who doubted that the immense amount of work could be done and the large expanse of territory could be finished, now feel assured that there will be no difficulty in getting all of the ground in order by the opening day.

The sunken gardens in front of the Horticulture and Government buildings respectively are excavated. The fancy garden on each side of the large basin, known as the Cascades, is now surfaced and the banks will soon be green. This is in the very center of the building region. The bottoms of the canal and lakes have been covered with two inches of broken lime stone, which insures their being what their name implies, "mirror lakes," and not muddy pieces of water.

The United States government is making a large display of ornamental and economic grasses that are useful and hardy in this latitude. Several of our leading seed houses have secured plots of ground varying from one-eighth to one-half an acre and are having them seeded and will ornament with flower beds.

At the south border of the Mirror lakes and also in the many inlets and bays on both sides of the fore court and grand approach are planted 1,400 *nymphaeas*, with a few groups of *nelumbiums*. Clay banks, or dams have been made to retain eighteen inches of water for the accommodation of these aquatics. They are the exhibit of Henry A. Dreer, of Philadelphia, and if in one area would cover about an acre and a half of water. They must make a magnificent appearance from the banks on both sides of the lake. They are already making good growth, which assures a magnificent display for next year.

Work is progressing finely on all buildings. The Propylæa, the most northern direction of the grounds, is nearly completed. The Electricity building, Agriculture building, Graphic Arts, Forestry and Mines, United States government building, all are going up. The two largest buildings, which are the Machinery and Transportation and Manufacturers and Liberal Arts, each 350x500 feet, will soon be roofed in.

A remarkable feature of this exposition is the immense interest and confidence displayed by the leading amusement people of the world. It is a fact that the amusement, or midway features, will entail a larger outlay of money than the whole of the exposition at Omaha cost. To accommodate the many remarkable novelties that will be exhibited they will now occupy the ground to the south of the mall and extending south below the Horticulture building. Many of these attractions and features of amusement are to be on a most expensive scale, and this is at the risk of the concessionaires. It shows what confidence they have in the prospective attendance.

The half-million dollar art gallery, the gift of J. J. Albright, is going up rapidly. This is situated in the park proper, overlooking the lake. The New York state

building is also in the park at the north-east corner and is also being rapidly built. A magnificent new boat house and refectory will be built in the park proper and a new bridge spanning the lake between the north bay and the large bay, at a cost of \$50,000. These are permanent improvements.

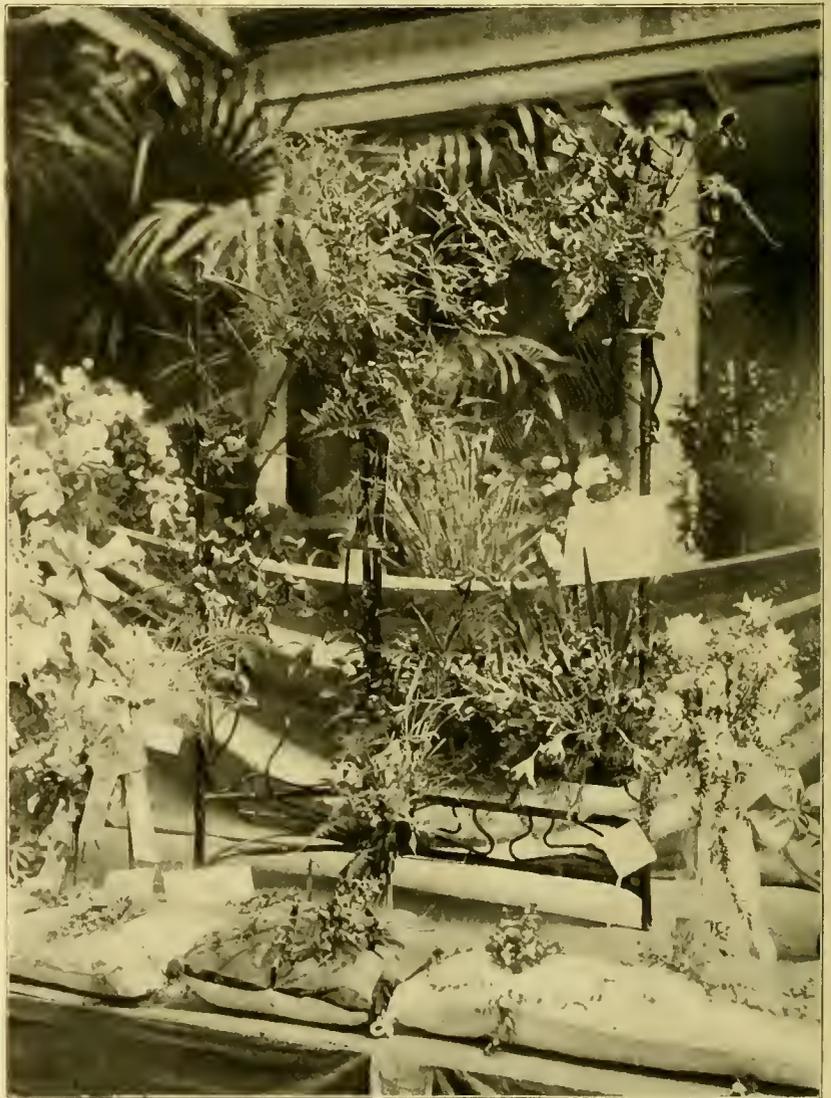
Beautiful as the grounds of the Pan-American Exposition now appear, the visitor can form but little idea of what it will be, because there is at present a high board fence separating the acquired ground for the exposition proper from the park. When that is torn down and the 100 acres of the beautiful park scenery is then part of the whole, it will be seen what an immense advantage it is to have the park a part of the exposition.

WILLIAM SCOTT.

ROSES.

GROWING AMERICAN BEAUTY.

ED. AM. FLORIST:—I am a good grower of most varieties of roses, but have never had charge of American Beauties. Some growing here are eighteen inches high. Had I better stop them or let them go on till the buds are half grown? They are making nice plants only on stems. Do



NEW AND ORIGINAL IDEAS IN FLORAL ARRANGEMENT AT THE EXHIBITION AT FRANK FORT, GERMANY, JUNE 22-24, 1900.

they need to be kept hotter than Brides? Should they be kept cool after they have made their growth? I want them for the holidays. J. B. R.

This grower should pinch out his American Beauty buds as soon as they are well formed, but do not cut any young foliage away; encourage them to make all the growth they can. As the main crop is wanted for the holidays, the buds can all or practically all of them be picked off till November. If any shoots show a tendency to run into long growth before setting a bud, they should be tied down to induce them to break the lower eyes. If really first quality flowers are wanted the plants should not be subjected to a temperature higher than 58° at night after the hot weather is past and all the air possible should be given on every favorable occasion. The plants should be kept growing freely and should never be checked, either from want of water or a sudden change of temperature. If black spot should appear, a very little fire heat at night, just enough to expel the dampness, should be applied and some air left on all night at the same time. This will prevent the plants becoming weak.

JOHN N. MAY.

SHADING ROSE HOUSES.

ED. AM. FLORIST:—I wish to ask you how to shade rose houses; what months in summer the shading will be of benefit? I have roses in houses running both east and west and north and south, and plants in solid beds as well as in benches.

G. S. S.

This correspondent does not state in what part of the country he is located, so that it is impossible to give a satisfactory answer to his question. If he is located south of Mason and Dixon's line it may be advisable to give a light shading to his rose houses during extreme hot weather. If he is in the north shading will do more harm than good, unless it may be to save the flowers for summer use. In that case, also, a very light shading may be serviceable. This can be put on with a syringe or with a long-handled brush. Mix whitening with half skimmed milk and half water, so that it will obscure the strong sun rays. If to be applied with a syringe the solution should be strained through a piece of very fine netting. It should be kept constantly stirred, otherwise the whitening soon settles to the bottom. If milk can not be had, a little salt added to the water will make the shading adhere to the glass for several weeks.

If a more permanent shading is required take enough white lead to make a pail of kerosene or naphtha look like thin milk and by adding a small quantity of emerald green ground in oil it will give a slightly green shade to the glass, which is not so objectionable as clear white. This mixture should be applied with a brush and will stay on the glass till frost comes, but if the roses are required for winter use only, shading is not necessary; in fact it is an evil, as it makes the plants produce weak, soft growth rather than strong, sturdy wood. JOHN N. MAY.

HANCOCK, MICH.—A. M. York is adding about 2,000 feet to his range of glass here.

SHREVEPORT, LA.—R. H. Stanley has opened a flower store in a part of the building occupied by Schlenker, the confectioner.

New York.

MATTERS HAVE QUIETED DOWN.—HOST OF VISITORS HAS DEPARTED.—STATE OF THE MARKET.—GROWERS DO BUSINESS.

Things are quieting down nicely and the convention has passed into history, the last straggler of the visiting throngs having now taken his departure. The unanimous testimony of our guests as to our success in pleasing them is exceedingly gratifying and since they are happy we are doubly so. Although the days are already upon us when the absent local people, customers and florists, are supposed to begin to "return to their knitting," there is as yet little to indicate their coming and nothing except the usual August stillness is discernible on the business horizon. Flowers are coming in to the wholesale markets in the customary quantities for the season, gradually increasing and gradually improving, also. Roses grow better as the plants gain strength and the boxes when opened in the morning will soon disclose something to admire. Asters are excellent, the Semple type predominating now and leaving no room for the common, small flowered sorts which are practically unsalable when the better classes are obtainable. Lily of the valley is very fine and entitled to a better fate than the very small and uncertain demand makes unavoidable. Of course of decorative flowers, such as sunflowers, hydrangeas and Japan lilies, there is an abundance, but unfortunately, decorative affairs of the necessary magnitude are conspicuously absent and the showy blossoms might better be left to brighten the landscape than sent to New York to overflow the rubbish carts.

Twenty-eighth street has resumed its wonted aspect. Take the wholesale florists out of the block between Broadway and Sixth avenue and there is not much left. What was left was, however, very lonely and disconsolate during convention week, when the headquarters of the talent was removed to the vicinity of the Grand Central Palace. "Carriages to meet all trains" was the rule at all the suburban establishments. Many visitors were received during and since the convention by the growers whose fame has spread far out and some profitable business was done by those who had anything good to sell.

Ehmann & Bock will open a store on September 15, at 2112 Broadway.

Philadelphia.

QUAKER CITY BOYS VASTLY PLEASSED WITH THEIR NEW YORK EXPERIENCES.—OUTING FEATURES PARTICULARLY ATTRACTIVE.—GUNNERS MORE SUCCESSFUL THAN THE BOWLERS.—PERSONAL DOINGS.

We are all at home again after having spent a most delightful week in New York. It is hard to say which feature we enjoyed the most. The first surprise was the beautifully decorated convention hall. What a happy thought; all about us a leafy bower, the intense green relieved by tritomas, gladioli and hydrangeas. Mr. Bunyard and others of the committee worked hard and produced a really beautiful and original effect. The carriage drives were delightful. That through Greenwood Cemetery and Prospect Park was a revelation to most of the participants. The cemetery is most beautiful; there is not a barren spot anywhere, the well kept drives winding about and revealing new vistas and landscapes as the party proceeded, calling forth words

of commendation from everyone. The lawns were particularly well kept and the numerous lakes at the foot of the slopes added wonderfully to the beauty of the scene. There are many fine specimen trees that, standing out by themselves or grouped symmetrically, add much to the landscape. Prospect Park is an example of what a public pleasure ground should be. There were also examples of fine bedding which showed that this feature was not forgotten. The committee, Messrs. Langjahr, Sheridan, Raynor, Mellis and others, were very solicitous for the welfare of their guests and everything possible was done to make the trip successful. It was an afternoon long to be remembered.

The trip to Glen Island rounded up the pleasure outings in a fitting climax. What a beautiful place Glen Island is, how orderly and yet no one felt the least constraint. Anyone having a half day of leisure while in New York should certainly visit this lovely isle. Ed. Jansen's reception was all right. Mr. and Mrs. Jansen made everybody feel at home. This new store, stocked as it is, ranks at the head and the decorations were fine.

Our Florists' Club's shooting representatives did fairly well, winning the Lockland trophy and the prize for high individual score, that going to John Burton. The bowlers are, however, a sadly disappointed lot. They had troubles of their own and they weighed heavily enough to affect their score disastrously. It's too early to say anything about next year but we think they will recover in time to be in the line of battle at Buffalo, when the struggle is on again.

We hear that the hail storm of August 18, destroyed nearly every pane of glass in the conservatories at Wootton, the residence of Geo. W. Childs Drexel, at Bryn Mawr, Pa., and almost ruined the specimen ferns for which Mr. Long has made the place famous. The same storm played havoc with a crop of melons owned by J. G. Gardner. They were just ready for market and were beaten to a pulp. The loss is \$500.

John Walker left us for good last Thursday. We were very sorry to say good bye, but as he is leaving under such bright auspices we are all glad for the prospects which lie before him and hope their promises will be fulfilled. He carried away only the very best wishes for his success in his new field.

On Wednesday, October 3, John P. Cleary will conduct a public sale of the stock of the Stoke Pogis Nurseries, Villa Nova, Pa., which the agent, George C. Watson, of this city, announces will be closed out to settle the estate. The nursery boasts some splendid stock.

A. Lincoln Brown, who has secured a good position in Cleveland, is, we understand, looking up a house there and Philadelphia is soon to lose a most charming young lady. They say Isaac Kennedy is much pleased with the west.

Robert Craig says he did splendidly at the convention and since, with returning visitors; others were also benefited, notably Bayersdorf & Co. and M. Rice & Co., who took large orders.

Business is dull and flowers are plentiful; \$3 to \$5 is asked for the best teas, while \$1 to \$1.50 per dozen is the price for Beauties. K.

MONTREAL, CAN.—The Montreal Gardeners' and Florists' Club will hold its annual chrysanthemum show in Windsor Hall, November 6 to 8. W. H. Horobin, 130 Tupper street, is secretary.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—8 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

PERFUMERY is now made from sweet
pea flowers grown by Eckford, the Eng-
lish specialist.

A FEW plants of the Lawson carnation
have found their way to England and
are the objects of much favorable com-
ment.

MAX LEICHTLIN speaks of *Campanula
rueprestris* as a worthy companion to *C.
mirabilis* and states that it does well in
a sandy loam.

THIS is the day the window glass fac-
tories are scheduled to begin the season's
operations but labor conditions are not
favorable and seem to indicate advanc-
ing prices.

THE sixty-ninth annual fair of the
American Institute will be held at the
Berkeley Lyceum building, New York,
September 25 to 27. Jas. W. Withers has
charge of the section for flowers and
plants.

EUROPEAN growers of *Begonia Gloire
de Lorraine* are in some instances meet-
ing with good success in propagating
from leaves, the principal difficulty being
in the damping off of the cuttings.

CLEMATIS PANICULATA has suffered
lately by being eaten at the ground line
by a little insect, the same, or at least
quite similar to those which have
destroyed aster plants for several years.

THE National Florists' Board of Trade
has just issued its August and September
supplement to the July credit and
information list. This supplement con-
tains 883 changes and 125 new names,
making a total on the list of 3,062.

THE following hail storms have recently
been reported: At Meyerstown, Pa.;
Perry, Ia.; Strasburg, Pa.; Frankfort,
Ind.; Beardstown, Ill.; Wheatland Mills,
Pa., and Pearl River, N. Y. Hail insur-
ance is looking up in those sections.

JAMES VEITCH & SONS have been given
the first-class certificate of the Royal
Horticultural Society for a nepenthes,
the result of crossing *N. Dicksoniana* and
N. Mixta, which is remarkable for the size
of the pitcher. They have named the
variety for Sir Thiseleton Dyer.

THE usefulness of *Tamarix Africanus*
as decorative material was demonstrated
at the Glen Island dinner to the S. A. F.,
where it was used in the archways
between two dining rooms. Its gray-
green, feathery foliage with pinkish blossoms
and lasting qualities were far super-
ior to any asparagus for such work at
this season.

Reward—Stolen!

A liberal reward will be paid for one hide, miss-
ing since a week ago. A bluidy Scot named
Watson is known to have been in the vicinity
carrying a scalping knife immediately before the
aforesaid hide was missed.

Address W. N. R.,
Mount Greenwood, Ill.

[This should have more properly been
inserted in the advertising columns, but
the gentleman was in such an evident
state of distress that we felt it necessary
to give it the widest possible publicity.
—Ed.]

Greenhouse Building.

Rochester, N. Y.—J. B. Kellar Sons,
house 20x100.

Sioux City, Ia.—J. C. Rennison, two
houses.

Monticello, Ia.—C. L. Van Meter,
house 22x50.

Indianapolis, Ind.—S. A. Fletcher, one
house.

Farmer City, Ill.—John McDonald, one
house.

Seattle, Wash.—Washington Floral
Co., violet house 30x110.

Chicago, Ill.—W. L. Palinsky, house
18x75.

Baltimore, Md.—I. H. Moss, three
houses.

Delaware, O.—Jos. Cunningham, one
house.

St. Louis, Mo.—Otto G. Koenig, one
house.

Dayton, O.—Dayton Floral Co., two
houses.

Monongahela, Pa.—I. S. Crall, three
houses 18x100, one 18x80.

Mt. Clemens, Mich.—John Cary, house
28x140.

Macomb, Ill.—S. T. Danley, two houses
10x55.

Williamsport, Pa.—Eviden Bros.,
carnation house 52x265.

Dorchester, Mass.—L. H. Foster, three
houses each 102 feet long.

Manchester, Mass.—W. F. Spry, house
20x150.

Shamokin, Pa.—Hugh Campbell, two
houses.

Chicago.

STATE OF THE MARKET.—TRADE GOOD
CONSIDERING ALL CONDITIONS.—GREAT
PARADE INCONVENIENCES WHOLESALERS
ON TUESDAY.—CONVENTIONITES RETURN-
ING.—PERSONAL DOINGS OF INTEREST.—
MANY VISITORS IN TOWN.

Trade has been very satisfactory in
Chicago this week, considering all things.
The city has been so full of strangers
that many lines of retail business have
suffered, and on Tuesday, the day the
great G. A. R. parade formed in the cut
flower district, the streets were so
thronged that the express companies
made no effort to deliver or collect ship-
ments between the hours of about 9 a.
m. and 4 p. m., so that things were in a
very uncertain state for that day and
much inconvenience resulted. Receipts
continue light and in some lines barely
sufficient for the demand. The Beauty
growers are cutting increasing quantities
of short stock; with most of them the
qualities are excellent and the stems
steadily lengthening. Of tea roses the
supply is decidedly inadequate. The few
really first-class flowers are only suffi-
cient to whet the appetites of the buyers,
but only a very small proportion of the
cut is first-class. Out-door carnations
are selling well and, in the cases of those
growers who disbud the blooms in the
field, the stock is good and brings fair
prices. Even asters have ceased to be in

any considerable oversupply; of course
the recent rains, followed by hot suns
have injured all outdoor flowers more or
less. W. N. Rudd and Klehm's Nurseries
are each sending in good hydrangea
trusses, those of the former being particu-
larly fine.

Nearly all of those who went to the
convention are at home from New York
and there is not a word other than praise
spoken for that historic gathering and
the hospitality of the New York Florists'
Club. The exhibition is invariably pro-
nounced unrivaled.

Michael Cullen, formerly shipping
clerk at Vaughan's, who a few weeks
ago was so badly burned by an accident
at Moxley's butterine factory that his
life was despaired of, is reported on the
road to recovery.

J. D. Thompson, of the Chicago Carna-
tion Co., has gone for ten days' hunting
in the Adirondacks and they say that
his new gun and khaki suit are dreams
of beauty.

W. A. Peterson, the nurseryman, has
returned from a six weeks' trip through
the east, visiting leading nurseries and
prominent private estates.

Mrs. J. C. Vaughan and Leonard
Vaughan have returned from Europe,
arriving August 26 at New York.

Most of the wholesalers will keep open
until 6:30 p. m., beginning Monday, Sep-
tember 3.

J. D. Hartshorne and George Stollery
have reached home from their trip to
Europe.

G. E. Piester saw what Fitzsimmons
did to Sharkey the other evening in New
York.

Wm. Kyle and wife are visiting at Mr.
Kyle's old home at Kalamazoo, Mich.

There have been a great many visitors
in town this week, called principally by
the G. A. R. encampment and the low
fares offered for the occasion. Among the
visitors were: S. Alfred Baur, Erie, Pa.;
Chas. P. Mueller, Wichita, Kans.; Messrs.
Sonnenschmidt & Junge, Indianapolis;
W. A. Musson, Mogadore, O.; Victor
Wayman & wife, Madison, Wis.; H. A.
Schuermann, St. Louis; Alex. Newett, St.
Joseph, Mo.; Jas. Culbert, Rossville, Ill.;
R. Will and J. Hartmann, Minneapolis;
N. Bommersbach, Decatur, Ill.; J. C.
Elspeman, Evansville, Ind.; Charles
Treanor, South Bend, Ind.; Lawrence
Heinl, Terre Haute, Ind.; T. C. Joy and
wife and C. A. Birn, Nashville; C. W.
Crouch, Knoxville; L. L. Jennings and
Mrs. Wm. Dittman and children, New
Castle, Ind.; W. H. Parkin, Galva, Ill.;
Joseph Molck, Jeffersonville, Ind.; Alfred
W. Lempke, St. Paul; L. E. Hitz and
wife, Madison, Ind.; Henry Boernhoff,
with Stuart & Haugh, Anderson, Ind.;
G. A. Heinl, Toledo, O.; U. J. Urgan, New
Orleans; Geo. F. Crabb, Grand Rapids;
J. N. Kidd and wife, St. Joseph, Mo.; C.
H. Kunzman, Louisville.

OBITUARY.

J. L. WILEY.

J. L. Wiley, who was for some years
engaged in the florist business in Lynn,
Mass., died on August 23, aged 71 years.
From 1889 to 1890 Mr. Wiley was a
member of the Pine Grove Cemetery
commission.

MRS. B. F. GREGORY.

Mrs. B. F. Gregory, of Milwaukee, died
Thursday, August 23, after undergoing an
operation with hopes of obtaining relief
from an affliction which she has braved
for upwards of two years. She was one

of the most energetic florists in the city and will be sadly missed by many flower lovers as well as the craft, who sympathize profoundly with Mr. Gregory in his bereavement.

JOHN LAING.

In the death of this Victorian Medalist in Horticulture, which occurred on August 8, in his seventy-eighth year, England loses one of the most enthusiastic and successful of the craft, one who has done much to improve many classes of florists' flowers. John Laing will ever be remembered as one of the pioneers of begonia culture, particularly the tuberous section. It is probably to him, more than to anyone else, we are indebted for the grand varieties we now have. But it is not to begonias alone that Mr. Laing gave his energies, for he devoted great attention to caladiums, and the Stansed Hill collection was second to none.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a sober, industrious man, as experienced florist and gardener. I prefer a small place. Address W. H. care Am. Florist.

SITUATION WANTED—By young man as assistant in palms, ferns, orchids, etc.; also some experience in retail store. Four years' experience, single. X. care American Florist.

SITUATION WANTED—By A1 florist; good grower of palms, ferns and all kinds of pot plants. Can take charge of houses. State particulars to B. L. KRANER 133 1/2 North Clark St., Chicago Ill.

SITUATION WANTED—Scotch gardener, single. I have 29 1/2 years' experience desires position of responsibility in private gardens. Can be released from present situation at convenience. Address A. S. O. care American Florist.

SITUATION WANTED—By married man; no family; a good place as second man. Can furnish good references. Three years in greenhouses; carnations, roses etc. Work reasonable; good man. C. B. care American Florist.

SITUATION WANTED—By a practical gardener, 16 years' experience in orchids, palms, ferns, cut flowers and general line of plants, etc. Open for engagement now or later. Good references. Address RELIABLE, care American Florist.

SITUATION WANTED—By all-around florist; 35 years' experience; German, married, children; good in roses, carnations, mums etc. Could manage place on shares, would rent or take private place. Temperate, industrious, r. f. references. Address J. L. care American Florist.

SITUATION WANTED—By a thoroughly practical gardener and florist; Scotch; 12 years in this country and 12 years in the old country in some of the best places; can do landscape work; good general gardener on private place; am a Christian, married, three children; aged 40. Address W. B., Box 34, Montague, Mich.

WANTED—Florist. German preferred; state wages wanted. THE VAL SEED CO., Indianapolis, Ind.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS. B. BULL, Bakersfield, Cal.

WANTED—Young man to assist in greenhouse. Must not be afraid of work. FRANK BEU, 2780 N. 40th Ave., Chicago.

WANTED—To rent a plant of greenhouses about 500 to 10,000 feet of glass. Without stock preferred. Address P. care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—A single man for general greenhouse work. Apply, stating wages wanted, with or without board, and send reference to JAS. MORTON, Clarksville, Tenn.

WANTED—At once, an all-around florist and designer, thoroughly competent and reliable; \$30.00 per month, with board and room. JOHN R. LAWE, Columbus, Miss.

WANTED—A good second-hand Florida or No. 8 Furman boiler; and offer for sale a good second-hand No. 14 Hitchings boiler, cheap for cash. By THEAKE F. VAN DER MEULEN, Dunkirk, N. Y.

WANTED—A competent man to grow roses, carnations and general greenhouse stock, to take charge and work. State wages wanted. Send references. Address M. G. care American Florist.

WANTED—Florist to store and care for three oleanders and some ivies for the winter. Largest oleander 13 feet high, 6 feet across; good pay for careful storage. Address 4945 Ellis Avenue, Chicago.

WANTED—Young man experienced in budding and grafting roses and in making soft wood cuttings of shrubbery. Steady employment, good wages. Must be strictly temperate. Apply to THE ELIZABETH NURSERY CO. or to Geo. Adee, Supt., Elizabeth, N. J.

FOR SALE—Small water heater reasonable. W. H. FLEISCHER, St. Paul, Minn.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds. Bargain. W. L. WINN, White Hall, Ill.

FOR SALE—Pots, from 2 1/2 to 3 1/2 inch. Big bargain. Address MRS. BOCKELMANN, White Hall, Ill.

FOR SALE—Four hundred feet second hand 4-inch pipe in good condition. Address H. J. TEUFEL, Box 205, Evanston, Ill.

FOR SALE—Extra good second-hand 3-inch pipe at 6c. per foot; also some 4-inch; secure it while it lasts. Address W. H. SALTER, Rochester, N. Y.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only \$500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Second-hand greenhouse boiler; first-class condition; will heat 4500 feet. Cheap if taken at once. S. M. & B. W., 131 and 133 W. Superior St., Chicago.

FOR SALE—Hot water boiler in perfect condition; used but short time. Will heat 3000 feet glass. Also 100 feet 3 1/2-inch standard black pipe good as new; at a bargain. JOHN KEINK, Chicago, Ohio.

FOR SALE—Entire or one-half interest in a good business. Growing city of 20,000. Hot water; 5,000 feet of glass. Most excellent opening to reliable person. Must sell soon. B. A. care Am. Florist.

FOR RENT—One greenhouse, 25x20 feet, also office dwelling and twelve city lots adjoining, for a term of years; established 1858; opposite St. Michael's Cemetery. W. H. SCHEURER, 532 Flushing avenue, Astoria, N. Y.

SITUATION WANTED

By a competent grower of carnations, violets, bedding and ornamental plants; also successful grower of Begonia Gloire de Lorraine; 29 years of age, life experience; German; A1 references from this country and Europe; am now, and have been for 2 1/2 years, working foreman in a first-class commercial place. Address,

J. O. T., care American Florist.

WANTED,

SEEDSMAN

At New York,

Experienced in Bulbs, Vegetable Seeds; for retail counter work. References. State full particulars.

W. O., P. O. Box 2250, New York City.

Foreman Wanted.

Must be a man of unquestioned ability and character, a successful and up-to-date grower and a hustler, accustomed to handling men on place where palms, ferns, mums, azaleas, bulbs of all kinds, bedding stock and everything used on commercial retail place is grown. Good place for the right man. Best of references required. In answering this please state where last employed. Ad. Retailer, care Am. Florist, Chicago.

PARTNER WANTED.

In a seed business, established over 20 years; good trade; good location. Will take about \$4000 to \$5000.

JOS. F. DICKMANN SEED CO.,
1110-1112 N. Third St., ST. LOUIS, MO.

FOR SALE

80 Boxes 14x16—70 Boxes 14x18

A DOUBLE THICK GLASS,

\$3.75 per Box, F. O. B. Chicago.

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO.

FOR SALE OR RENT

Greenhouse, 5000 feet of glass, steam heating, Market Garden, Ten Acres, six-room Dwelling, Burn, etc., adjoining thriving town of 3000, on St. Joe and Grand Island Ry.

H. SCHMALZL, Marysville, Kans.

FOR SALE

With 10 Year Lease,
One of the best places
in Chicago.

This is a rare opportunity; if you have some cash, talk it over with me.

T. J. CORBREY,

1409-1411 W. Madison St., CHICAGO.

FOR SALE

240 acres of land on Isthmus of Tehuantepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,

846 New York Life Bldg. KANSAS CITY, MO.

For Sale.

Oakland, Cal.; an elegant piece of property, 160 feet front by 145 feet deep. Ten minutes' ride from the center of the city. Three large greenhouses, each 116 ft. by 25 ft., well stocked. Elegant cottage of 7 rooms. Gas fixtures and all conveniences. Owner compelled by circumstances to go to Alaska gold fields and must sell quickly. Cost \$7,000. Will sell at great reduction. Write for price.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

BEAUTIFUL ESTATE & FLORIST BUSINESS,

EXETER, N. H.

To be sold at auction, on the premises, WEDNESDAY, Sept. 5, at 10:30 A. M. (if rainy, the next fair day), unless previously sold at private sale. An ideal home or investment. Don't lose this chance. About 50 acres fine tillage land fronting on Portsmouth Ave.; large 12-room dwelling, hot water heat, slate roof, etc.; large slate roof barn, carriage house and carpenter shop, all conveniently and attractively arranged. Live stock, hay, wagons, carriages, all working tools and appliances, and many personal household effects. An extensive and profitable florist business—wholesale growing—long established, included; practically no competition, 15,000 square feet of glass, six large greenhouses, grand soil; sales limited by production only; 5 minutes from business district, electric and steam cars near; adjoins compact part of the town; delightfully situated; town famous for its beauty, refinement and rare educational advantages; Rye, Hampton and Salisbury beaches in easy distances and with electric connections; property should be seen to be appreciated; inspection may be made at any time; present owner to retire from business and remove from town; \$500 cash deposit at sale, balance on easy terms. Descriptive and illustrated booklet mailed upon request. Address

HAYES ESTATE, Exeter, N. H.

IT IS GOOD BUSINESS POLICY TO MENTION THE AMERICAN FLORIST WHEN YOU WRITE TO AN ADVERTISER.

WHAT THEY SAY:

"No bad bills since I commenced using the credit list."
 "The credit reports are valuable for they are accurate and to the point."
 "The collections were successfully adjusted at lower rates than what I have been accustomed to pay."

.....NOW IS THE TIME TO JOIN.....

NATIONAL FLORISTS' BOARD OF TRADE, 271 BROADWAY, New York.

Write, if particulars are desired.

Wholesale Flower Markets

CINCINNATI, Aug. 30.

Roses, Beauty	6.00@10.00
" Bride	2.00@ 3.00
" Bridesmaid	2.00@ 3.00
" Meteor	2.80@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1.00
" fancy	1.50
Gladioli	2.00@ 4.00
Tuberose	3.00
Asters	.75@ 1.50
Lilies—Album and Rubrum	4.00@ 5.00
Lily of the valley	4.00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Asparagus	50.00

St. Louis, Aug. 30.

Roses, Bride, Bridemaid	2.00@ 4.00
" Beauty, 10 to 15 inch stems	4.00@ 6.00
" Perle	2.00@ 3.00
" Meteor	2.00@ 4.00
" Kaiserin	3.00@ 5.00
Carnations, common	.75@ 1.00
Smilax	12.50
Adiantum	.60@ 1.00
Tuberose	3.00@ 4.00
Asters	1.00@ 3.00

MILWAUKEE, Aug. 30.

Roses, Beauty, long, per doz.	1.50@2.00
" med	.50@1.00
" Bride, Bridemaid	3.00@ 4.00
" Meteor	4.00@ 6.00
" Kaiserin	4.00@ 6.00
" Golden Gate	4.00
Carnations, ordinary	1.00
" fancy	2.00
Auratum lilies	15.00
Adiantum	.75@ 1.00
Common ferns	.25
Gladioli	2.00@ 3.00
Asters	.50@ 1.00
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Sweet peas	.15

PITTSBURG, Aug. 30.

Roses, Beauty, fancy	20.00@25.00
" extra	10.00@15.00
" No. 1	5.00@ 8.00
" culls	2.00@ 4.00
" Bride, Bridemaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Gladioli	1.00@ 3.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00
" Sprengeril	.25@ .35
Dagger ferns.....per 1000	2.00
Asters.....	.50@ 2.00

DENVER, Aug. 29.

Roses, Beauty, select	12.50@20.00
" ordinary	4.00@ 8.00
" Bride, Bridemaid	3.00@ 5.00
" Meteor	5.00@ 6.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 2.50
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Sweet peas	.20@ .30
Asters	2.00@ 3.00
Galax Leaves	.20
Asparagus	60.00
Smilax	17.00
Ferns	.30

VIOLETS, Field grown, \$5.00. Dbl. white Primroses, 4-in., \$10.00. Cyclamen, good, \$6.00. Sword Ferns, 3 varieties, 4-in., \$10.00. Dbl. white Bouvardia, 3-in., \$5.00.

McCrea & Cole, Battle Creek, Mich.

Everything in the

CUT FLOWER

line.

and a complete line of

WIRE WORK,

the kind that will give satisfaction.

FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,

P. O. Box 103.

Milwaukee, Wis.

When writing mention the American Florist

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

Please Mention American Florist.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS PITTSBURG, IN SEASON. PA.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

ROEMER'S SUPERB PRIZE

Pansies.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
 Grower of the Finest Pansies.

Bronze Galax Leaves

\$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.

AMERICAN ROSE CO., Washington, D. C.

I PAY EXPRESS or POSTAGE on my

Bronze Galax Leaves

and deliver anywhere in U. S. for ONE DOLLAR FIFTY per 1000. Write for particulars.

LILLIAN ALLEN DEXTER, Washington, D. C.

\$4.00 CHICAGO TO FT. WAYNE, IND.

and return via Nickel Plate Road, September 9th to 12th inclusive, account National Encampment Union Veteran Legion. Tickets good returning to and including September 18th, 1900. Three through daily trains from Chicago, at convenient hours. Chicago Passenger Station, Van Buren St. and Pacific Ave., on Elevated loop. For further particulars address John Y. Calahan, Gen'l Agent, 111 Adams St., Chicago. 35.

Galax Leaves.

J. L. BANNER & CO.,

.....MONTEZUMA, N. C.

Please mention the American Florist when writing

Southern Wild Smilax.

NEW CROP NOW READY.

Caldwell The Woodsman Co. Inc.

Also J. B. DEAMUD, CHICAGO, ILL., L. J. KRESHOVER, New York, N. Y., M. RICE & CO., Philadelphia, Pa., THE VAIL SEED CO., Indianapolis, Ind.

AMERICAN BEAUTIES

We are offering the best Beauties on the market, all lengths of stem, in large quantities. While other good roses are scarce, these can be used economically and satisfactorily in funeral work and for many other purposes. Short Beauties we offer at \$3.00 per 100, \$25.00 per 1000. Longer lengths below:

24 inches.....	per dozen, \$2 00
20 inches.....	“ 1.50
15 inches.....	“ 1.25
12 inches.....	“ 1.00
8 inches.....	“ .75

E. C. AMLING,

Wholesale
Cut Flowers,

32-34-36 Randolph Street,
CHICAGO.

Please mention the American Florist when writing.

McKELLAR & WINTERSON

45-47-49 Wabash Ave.

.....CHICAGO

Just Received:

A fine lot of Calla Lily Bulbs.
Select, 1 1/4 to 1 1/2-in. diam., per 100, \$5.00
“ 1 1/2 to 1 3/4 “ “ 7.00
“ 2 to 2 1/2 “ “ 9.00

FRENCH BULBS ALL
DUICH KINDS

A full line of all Florists' Supplies.

CUT FLOWER PRICE LIST.

	Per 100
Beauties, long	\$20.00 to \$25.00
“ medium	10.00 to 15.00
“ short	6.00 to 8.00
Brides, Maids	3.00 to 5.00
Perles and Meteors	3.00 to 5.00
Carnations	1.00 to 1.50
Asters, good .....	.50 to 1.00
“ fancy	1.00 to 1.50
Gladioli	2.00 to 3.00
Valley	3.00 to 5.00
Lilies	8.00 to 10.00
Ivy Leaves .....	.40
Adiantum .....	.50 to 1.00
Common Ferns	per 1000, \$1.00
Smilax	per doz., \$1.00 to 1.50
Asparagus	5.00 to 6.00

Please mention the American Florist when writing.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCH

We are large Growers and Shippers of CUT FLOWERS ALL THE NEW VARIETIES. YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

Wanted at Once

“FLORISTS” to send us for their supply of Cut Flowers. Most careful attention given to shipping orders. Order what you want—we have it. Cutting 2,000 Beauties daily.
GEO. REINBERG, 51 Wabash Ave., CHICAGO.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, Aug. 31.

Roses, Beauty, extra long stems	3.00
“ “ 30 inch	2.50
“ “ 24 “	2.00
“ “ 20 “	1.50
“ “ 15 “	1.25
“ “ 12 “	1.00
“ “ 8 “	.75
“ Bride, Bridesmaid	2.00@ 4.00
“ Perle	2.00@ 4.00
“ Meteor	2.00@ 4.00
“ La France	2.00@ 4.00
“ Golden Gate	4.00@ 6.00
“ Liberty	4.00@ 6.00
Carnations .....	.75
“ fancy	1.00
Lily of the valley	3.00@ 5.00
Adiantum .....	.50
Common ferns .....	.15
Smilax	8.00@12.00
Asparagus	50.00
Ivy leaves, per 100 .....	.40



8. E. Cor. Wabash Ave. and Randolph St.

Say: “Saw it in the FLORIST.”

E. H. Hunt

THE “OLD RELIABLE” FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.
600,000 FEET OF GLASS.

Headquarters for American Beauty.
Carnations, Blooms and Cuttings.

51 Wabash Ave., CHICAGO, ILL.

J. B. DEAMUD,

Wholesale
Commission Florist,
51 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

WHOLESALE DEALER IN
GROWER OF ROSES. CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL.
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortalia Lettara and Emblama. Block Lettara, \$2.00 per Script Lettara, \$4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

FLORISTS

If you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Geo. A. Sutherland, Boston Flowers.
WHOLESALE DEPOT FOR

All Florists' Supplies,
 67 BROMFIELD ST., BOSTON, MASS.
 Price lists mailed.

Wholesale Florists, JOBBERS IN
 Always on Hand: **FLORISTS' SUPPLIES**
 CARNATIONS, BRIDESMAIDS, BRIDES.
N. J. W. Sutherland
FLORISTS' VASES.
 Horticultural Auctioneers.
 84 HAWLEY STREET, BOSTON.

The American Florist Company's
DIRECTORY
 Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price \$2.00.
 AMERICAN FLORIST CO.,
 324 Dearborn Street, Chicago, U. S. A.

Circulation
 which
Circulates
 The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Wholesale Flower Markets

PHILADELPHIA, Aug. 29.

Roses, Tea.....	1.00@ 2.00
" extra.....	3.00@ 4.00
Beauty, extra.....	15.00@20.00
" firsts.....	8.00@12.00
Carnations.....	.50@ .75
fancy.....	1.00@ 1.50
Lily of the valley.....	2.00@ 4.00
Gladiolus.....	3.00
Tuberose.....	3.00
Asters.....	.50@ 1.50
Asparagus.....	.25.00@35.00
Smilax.....	12.50@15.00
Adiantum.....	.50@ 1.00
Sweet peas.....	.20@ .30

BOSTON, Aug. 29.

Roses, Beauty, extra.....	15.00@20.00
" medium.....	4.00@ 6.00
" culls.....	1.00@ 2.00
Bride, Bridesmaid, Meteor.....	.50@ 3.00
" extra.....	3.00@ 5.00
Kaiserin, Carnot.....	2.00@ 6.00
Carnations.....	.50@ 1.00
Lily of the valley.....	2.00@ 4.00
Asters.....	.25@ .75
Gladioli.....	2.00@ 4.00
Adiantum.....	.50@ 1.00
Smilax.....	8.00@10.00
Asparagus.....	50.00
Hardy ferns.....	.20

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,
 PHILADELPHIA
 Phone 1-42-69-A.
 Consignments Solicited.
LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 LONG DISTANCE PHONE 3-45-84 D. PHILADELPHIA, PA.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-26 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG...
 Largest Grower of... Cut Flowers in the West.
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,
 5515 Fifth Ave, PITTSBURG, PA.
 LONG DISTANCE PHONE 2985.
 Consignments of Roses, Carnations and Violets. Solicited.

The Cincinnati Cut Flower Co., WHOLESALE FLORISTS.
 416 Walnut St., CINCINNATI, O.
 Consignments Solicited. Special Attention Given to Shipping Orders.

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO
 ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

J. M. COHEN, Florist,
 Telephone 2385.
 CONSIGNMENTS SOLICITED.
 22 Chapman Place, BOSTON, MASS.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

Crowe & Co. Special Prize Maids.

Superb Roses, Leading Varieties. Choice Carnations and Rare Novelties.
Summer Shipping a Specialty.

TELEPHONE 2065 MADISON SQUARE.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.

43 West 28th St., NEW YORK.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

57 W. 28th. St., NEW YORK CITY.

Special attention given
to Shipping Orders.

Telephone 2200 Madison Square.

CONSIGNMENTS SOLICITED.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.

Price list on application.

Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets & Carnations.

BROWERS and BUYERS make a note of this. It
will be to your advantage.

WM. H. GUNTHER,

30 West 29th Street.

New Telephone No. 551 Madison Square.

Please Mention the American Florist.

**FRANK MILLANG,
CUT FLOWERS,**

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. **NEW YORK.**
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. 119 and 121 W. 23d St.,

Cut Flower Co. **NEW YORK CITY.**

TELEPHONE 733-18th.

Choicest Stock Shipped on a Commission.

Choice Carnations

Choice Roses * * *

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 29.

Roses, Beauty, select.....	12.00@20.00
" " medium.....	4.00@ 6.00
" " culls.....	.50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
" " select.....	3.00@ 4.00
Carnations.....	.50@ 1.00
Lily of the valley.....	1.50@ 2.00
Harrisii.....	2.00@ 4.00
Cattleyas.....	20.00@33.00
Gladioli.....	.50@ 1.50
Asters.....	.10@ .50
Smilax.....	8.00@10.00
Asparagus.....	25.00@35.00
" Sprengeri, per doz. bua.	.75@1.00
Adiantum.....	.25@ .50

BUFFALO, Aug. 30.

Roses, Beauty.....	10.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin.....	6.00
Carnations.....	1.00@ 1.25
Lily of the valley.....	3.00@ 4.00
Auratum lilies.....	10.00@12.50
Roseum ".....	4.00
Gladioli.....	2.00@ 3.00
Asters.....	.50@ 1.50
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy ferns, Galax leaves.....	.20@ .25
Asparagus.....	.50.00@75.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

Please mention the American Florist when writing.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th. **NEW YORK.**

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,

New Telephone No. **Wholesale Florist.**
902 Madison Sq.

39 W. 28th St., NEW YORK.

ROSES SHIPPED Price List on
to all points. Application

Ford Bros...

Wholesale Florists

111 West 30th Street, NEW YORK.

Consignments Solicited. Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

ROSES, CARNATIONS, VALLEY.

CHOICE SUMMER STOCK.

TELEPHONE 280 MADISON SQUARE

S. J. LIMPRECHT,

**Wholesale Commission Florist
and FLORISTS' SUPPLIES.**

Also all kinds of Greens for Decorations.

119 West 30th Street, NEW YORK.

Telephone 1438 Madison Square.

Consignments Solicited.

Do not forget to say "saw your ad. in
the AMERICAN FLORIST" when cor-
responding with advertisers

J. K. ALLEN'S

**POPULAR WHOLESALE
CUT FLOWER HOUSE**

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled
and well sold. Excellent facilities. * * * * *

Telephone 197 Madison Square.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421
Madison Square,

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

AUGUST RHOTERT will return from his European trip September 2.

THE recent four weeks of hot weather has helped the corn crop everywhere.

THE Portland Seed Co., Portland, Ore., has increased its capital stock from \$10,000 to \$25,000.

FIRST shipments of Japan longiflorum bulbs arrived August 25, an unusually early date.

BERMUDA grown longiflorums are very scarce and large sizes of Harrisii are under the demand.

THE California nasturtium seed crop is going to be light, particularly that of the Tom Thumb sorts.

PEA crop reports in northern New York state now indicate a greater shortage than first expected.

T. W. WOOD & SONS, seedsmen, Richmond, Va., have been given an award on their exhibit in the forestry section of the Paris Exposition.

THE Northern Indiana Seed Company has been incorporated at Valparaiso, capital \$2,000, by E. E. Shedd, E. B. Shedd and H. J. Schenck.

VISITED CHICAGO:—Harry McCullough, of J. M. McCullough's Sons, Cincinnati; F. Wilson, with the Iowa Seed Co., Des Moines; D. M. Hamilton, with Northrup, King & Co., Minneapolis; W. H. Hartman, with Vail Seed Co., Indianapolis; A. H. Harding, secretary Portland Seed Co., Portland, Ore., enroute east.

THE demand for California grown callas and freesias this year has been larger than ever and many late orders for each remain unfilled because the stock of large bulbs is entirely exhausted. The shortage on large callas is particularly noticeable and the prices obtained are in excess of any recent years.

THE outlook of the Nebraska vine seed crop is by no means encouraging. The late varieties of cucumbers, and the early ones that were planted late, will yield almost nothing. Many of the crops will not be harvested at all, while others will yield from 50 to 100 pounds to the acre. Muskmelons will probably run from 50 to 200 pounds, the majority will not be over 100 pounds; which is less than half a crop. The seed is quite apt to be light in weight on account of the premature ripening of the melons. Although the lice have worked very hard on the vines, water melons will turn out somewhat better. Summer and winter squash, also pumpkins, promise a good harvest. At the present time the corn crop looks better than it has for many years.

Boston.

CONVENTIONITES RETURN WELL PLEASED. —MANY VISITORS IN TOWN.—STATE OF THE WHOLESALE MARKET.—SEASIDE DEMAND LIGHT AND RUNNING TO SPECIAL GRADES.—VARIOUS NOTES.

Convention pilgrims are returning as they went—in straggling detachments. It appears that about 100 were in attendance from this neighborhood—a

fair representation. Nothing but the highest praise is heard in connection with the trip, for the New York people and the general arrangements for the convention, and it is admitted that when the S. A. F. visits Boston again, as it is sure to do before very long, we have a precedent in New York's highly successful affair that we shall have difficulty in equaling. A few of the convention visitors from other localities found their way to Boston, either before or after. We were glad to see W. J. Smyth, of Chicago, a former Bostonian, and his charming lady and to introduce him to the subway and other innovations in Boston's daily life since his last visit here. After the convention came W. R. Smith, of Washington, beaming with satisfaction at the prospect of another serious try at the national charter and at the opportunity to make an onslaught on the special reserved stock in the musty old bookstores of antique Cornhill. Another patriarch in the form of Chas. Cannon, of St. Louis, has been honoring us with his company and Mr. and Mrs. W. F. Gude, of Washington; M. Barker, of Chicago, and Miss Phoebe Headworth, of New York, made a brief stay with us. Mr. Pettigrew is scanning the horizon for a glimpse of his friend, Edgar Sanders, who is due to arrive on Friday morning. So although business is very dull, Boston had a fair share of diversions. The extremely hot weather for the past few days came most inopportunistly, though, and we have been at the mercy of our Washington and St. Louis visitors on

the temperature question. Can it be possible that those "bilers" that our friend Carmody sent down to the infernal regions have been located directly underneath Boston?

Business is almost at a standstill. Seaside trade is nothing as compared with past seasons and it is now so far along that it is not likely any improvement is in prospect, although much, of course, depends upon the kind of weather in store for us. The very meagre demand from the summer resorts is confined closely to fancy grades of American Beauty and a few very choice specialties and there is very little in it for anybody. In the wholesale places asters obscure the view of everything else. They are piled up high, in mounds of purple, pink and white, but the average of quality coming in is greatly improved, the small, inferior varieties being superseded this week by the large, fancy sorts, and so the prices are better.

In the will of the late Benj. H. Pierce, of Watertown, a bequest of \$1000 is left to the Massachusetts Horticultural Society, the income therefrom to be devoted to the introduction of new fruits.

At the Colored Men's Business League convention last week, in Boston, A. F. Crawford, of Meriden, Conn., read an interesting paper on "The Negro Florist."

This week brings the early-closing period to an end and preparations for the fall campaign are actively under way. All anticipate a good season.

FRESH ENGLISH MILLTRACK MUSHROOM SPAWN.

Our celebrated English Milltrack brand is made by the best maker in England specially for our trade; per brick (1 1/4 pounds) 15c; by mail, 25c; 10 lbs., \$1.25; 25 lbs., \$2.00; 100 lbs., \$6.00; per 1000 lbs., \$55.00. (250 lbs. at the 1000 lb. rate).

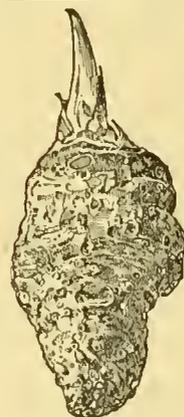
Fresh Smilax Seed per ounce, 20c; per lb., \$2.25; per 5 lbs., \$2.00 per lb. Allen's Defiance Mignonette, per 1/4 ounce, 20c; per ounce, 75c. Johnson & Stokes' Kingly Pansy, trade pkt., 50c; 1/4 ounce, \$1.25; per ounce, \$5.00. Freesia Relracta Alba, first size, 40c per 100, \$3.00 per 1000; selected, 60c per 100, \$5.00 per 1000. White Roman Hyacinths and Paper White Narcissus now ready for delivery; write us for prices.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.



CALIFORNIA Calla Bulbs

Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

FIRST SIZE, 1 1/4 to 1 1/2-in. diam., doz. 75c; 100 \$5.00.

SELECT, 1 1/4 to 1 1/2-in. diam., doz. \$1.25; 100 \$7.00.

EXTRA SELECT, 2 to 2 1/2-in. diam., doz. \$1.50; 100 \$9.00.

EARLY DELIVERY means much. Getting these bulbs when you want them is everything. Late surpluses at half price are not bargains.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

FREQUENT IMPORTATIONS OF BEST GRADE OF

English Mushroom Spawn

J. J. STYER, Concordville, Pa.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following Palms in fine condition:

KENTIA FORSTERIANA, per 1000, \$4.00; 5000 to 10,000 at \$3.50; 10,000 and over at \$3.00.

Also CYCAS REVOLUTA STEMS in assorted sizes, 3 lbs. to 12 lbs., at \$8.00 per 100 lbs., while unsold.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

American Florist Advertisements Pay Advertisers.

ANNUAL REPORT OF THE FLORISTS' HAIL ASSOCIATION OF AMERICA.

REPORT OF SECRETARY.

On the first day of August, 1900, the 934 members comprising the Florists' Hail Association of America insured an aggregate of 13,025,762 square feet of glass, subdivided as follows: 3,130,059 square feet of single thick; 6,908,043 square feet of double thick; 137,282 square feet of single thick at extra one-half; 326,107 square feet of double thick at extra one-half; 749,917 square feet of single thick at extra whole, and 1,783,354 square feet of double thick at extra whole.

The receipts for the year ending August 1, 1900, have been: From liquidation of Du Page bonds, \$1000; from tenth assessment, \$7,400.53; from new business as per treasurer's report, \$2,260; from interest on investments, \$250.06; from re-insurance of glass broken by hail, \$79.55. Total receipts for the year, \$10,999.14.

Disbursements for losses for the year have been \$5,570.42, for expenses, \$1,340.16; investment on account of reserve fund, \$1,600, making a total of \$8,510.58.

The cash balance on hand at the close of the year is \$6,823.44, of which \$226.87 belongs to the reserve fund and \$5,896.57 is available for use in the emergency fund. The reserve fund of the Florists' Hail Association now consists of \$6,600 invested as per treasurer's report, and \$226.87 cash in hand. Total reserve fund August 1, 1900, \$7,526.87.

Fifty-six thousand four hundred and fifty-two square feet of single thick glass and 18,104 square feet of double thick glass belonging to insured members has been paid for during the past year.

A careful study of the appended table will prove interesting:

Table with columns: STATES, No. of hailstorms from June 1, 1897, to August 1, 1900, No. of losses paid from June 1, 1897, to August 1, 1900, No. of hailstorms for year ending August 1, 1900, No. of losses paid for year ending August 1, 1900.

The secretary especially requests that members furnish him with information concerning all hail storms in their vicinity, whether they are personally interested or not, as such information will materially assist in the compilation of statistics. The Florists' Hail Association of America dur-

ing its thirteen years of existence, has won an enviable reputation for prompt payment of claims and straightforward dealing, and both officials and members have reason to feel proud of its present financial and moral standing.

JOHN G. ESLER, Secretary.

REPORT OF TREASURER.

RECEIPTS.

Table of receipts including liquidation of Du Page county bonds, interest upon two Du Page county bonds, interest upon Lancaster Trust Co. investment, interest upon government bond, interest upon Chicago city bond, interest upon Orville township, N. J., bonds, interest upon Tri-State B. and L. investment, tenth assessment, membership fees, new assessments, additional assessments, extra one-half assessment, extra whole assessments, re-insurance.

Total \$10,999.14

DISBURSEMENTS—LOSS ACCOUNT OF THE FLORISTS' HAIL ASSOCIATION OF AMERICA.

Table of disbursements listing names and amounts, including J. W. Oids, Petersburg, Ill., J. Ritner Praul, Edgewater Park, N. J., W. P. Symonds, Decorah, Iowa, S. H. Dole & Sons, Beatrice, Neb., J. J. Thomas, Pueblo, Col., S. H. Beaver, Seward, Neb., Frank Otto, Winnetka, Ill., Wm. Wood, Trenton, N. J., Harry Baker, Pueblo, Col., Charles Faust, Harvard, Ill., C. Rihsam & Son, Trenton, N. J., M. K. Bishop, Sioux City, Iowa, Newton Lumber Co., Pueblo, Col., J. J. Soper, Rockford, Ill., G. Fleischer, Pueblo, Col., Chas. Hjalzborn, Oak Hill, St. Louis, Mo., J. O. Zimmerman, Pueblo, Col., Mrs. J. J. Young, Raton, N. M., Mrs. Margaret Ballard, Perry, Ia., John N. Zachman, Oregon, Mo., L. Lemplin & Co., Florence, Col., Henry Carstens, Omaha, Neb., John A. Salzer & Co., La Crosse, Wis., L. L. May & Co., St. Paul, Minn., Geo. Pastor, Huntington, Ind., Warrendale Floral Co., St. Paul, Minn., W. B. Perry, Cresco, Iowa, Theo. F. Kienabo, La Crosse, Wis., Henry Krinke, St. Paul, Minn., Furrow Bros., Guthrie, Okla., John C. Fleischer, St. Paul, Minn., C. Hutchinson, Des Moines, Ia., Washington Rowley, Corning, N. Y., Henry Carstens, Omaha, Neb., John R. Elder, Sioux City, Ia., Brewster & Williams, Grand Island, Neb., Geo. Clark, Denver, Col., Fred. Bishop, Sioux City, Iowa, Oak Grove Greenhouses, La Crosse, Wis., S. D. Brandt, Clay Centre, Kan., E. H. Zimmer, Woodbine, Iowa, B. Semanton, Falls City, Neb., Lansdale Mushroom Co., Lansdale, Pa., Mrs. J. E. Steele, Wadsworth, O., Hess & Swaboda, Omaha, Neb., Wm. Copas, Elyria, Ohio., C. Humfeld, Clay Center, Kan., Geo. S. Allen, Hitchkissville, Conn., A. Donaghue, Omaha, Neb., J. J. Thomas, Mgr., Pueblo, Col., C. E. Paris, Pueblo, Col.

Table of expenses for July 30, S. W. Pike, Akron, Ohio; Geo. W. Wray, Fairfield, Iowa; Newton Lumber Co., Pueblo, Col.

Total \$5,570.42

EXPENSE ACCOUNT OF THE FLORISTS' HAIL ASSOCIATION OF AMERICA.

Table of expenses including Hackensack Republican printing envelopes, Florists' Exchange printing reports, American Florist advertising annual reports, La Mare Pkg. & Pub. Co. proofs, envelopes, letterheads, orders, etc., Amount invested with Lancaster Trust Co., Florists' Exchange printing tenth assessment notices and annual reports for distribution, Lancaster Trust Co. box rent, John G. Esler secretary salary, John G. Esler secretary postage and revenue stamps, Florists' Exchange printing envelopes, John G. Esler postage and revenue stamps, account of tenth assessment, Florists' Exchange advertising blanks and envelopes, Market Street Printing House printing envelopes, Florists' Exchange printing circulars, Hackensack Republican printing certificates, Florists' Exchange printing circulars, Florists' Exchange printing letter heads, Florists' Exchange printing applications, Florists' Exchange printing letter heads, John G. Esler postage and revenue stamps, Albert M. Herr salary as Treas., Am. Gardening advertisement, J. C. Vaughan salary as Pres., John G. Esler balance of salary as secretary, Florists' Pub. Co. advertising, American Florist advertising, Albert M. Herr postage, Florists' Exchange balance due for advertising, J. C. Vaughan postage.

Total \$2,940.16

RECAPITULATION—ALBERT M. HERR, TREASURER, IN ACCOUNT WITH THE FLORISTS' HAIL ASSOCIATION OF AMERICA.

Table of recapitulation showing balance on hand, total receipts, losses paid, expenses paid, investment, and balance on hand August 1, 1900.

RESERVE FUND INVESTMENTS OF FLORISTS' HAIL ASSOCIATION OF AMERICA.

Table of reserve fund investments including certificates of deposit with Lancaster Trust Co., Tri-State B. and L. certificates, Chicago Bond, par value, Government Bond, par value, Orville township, N. J., Bonds, par value, Market value of Orville Township bonds, Market value of U. S. Government bonds, Market value of Chicago bond.

ADIANTUM FARLEYENSE 3-in. Pots, Ready for a Shift, \$20.00 per 100. WM. W. EDGAR, Waverley, Mass.

Geranium America... \$2.50 per doz.. \$20.00 per 100. HENRY EICHHOLZ, Florist, Waynesboro, Pa.

SPECIALTIES IN BEST ...VARIETIES ROSES, from 2-inch pots. CARNATIONS, for all delivery. CHRYSANTHEMUMS. SMILAX. VIOLETS. Prices low. Send for list. WOOD BROTHERS, FISHKILL, N. Y.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SBAOER, Rochester, N. Y., Sec'y.

T. C. WILSON, of Geneva, N. Y., one of the partners in E. J. Bowden & Co., nurserymen, Brighton, N. Y., has made application for a receiver for the firm.

W. A. PETERSON, of P. S. Peterson & Son, Chicago, moved a number of large maples experimentally the third week in August, it being reported that an eastern firm is transplanting them successfully while in leaf.

Los Angeles.

HORTICULTURAL CONDITIONS IN SOUTHERN CALIFORNIA.—PRICELESS VALUE OF IRRIGATING MATERIAL.—TRADE IN A FLOURISHING CONDITION.—VARIOUS DOINGS AND MATTERS OF PERSONAL INTEREST.

Very few of the many readers of the AMERICAN FLORIST can understand the value of water for irrigating to the horticulturist of southern California. On account of shortage of water caused by the repeated bursting of a pipe line that should supply West Lake Park with water, that beautiful little garden of about forty acres is almost ruined for this season and many of the rare and valuable tropical trees are dying. One of the city fire engines has been detailed to pump water from the lake to try to save vegetation until a new pipe line can be laid. Another cause for worry is the recent fire in the Sierra Madre mountains that burned for two weeks and covered nearly 100 square miles of territory. Fears are entertained that heavy rains during the winter will cause great floods, which will do an immense amount of damage. The Southern California Forestry Association had planted some hundred of acres of mountain lands with young pines, but it will require several years' growth before these plants will be of value in the conservation of moisture.

With the stores, business is very quiet, scarcely enough being done to pay expenses. O. C. Saakes, of the Central Park Floral Co., has completely renovated his storeroom and is ready for the coming season. Miss Goodin is highly pleased with the business she has been doing in her Broadway store and is anticipating a splendid trade during the winter months. The Diamond Hill Nursery Co. has a very nicely fitted up store at 321 South Spring street, where Max Keffel is manager. John Schlaloss, who has charge of the Redondo Floral Company's store, had to run for his life during the mountain fire. He was spending the day in Santa Anita canyon when the fire broke out and it was with great difficulty his party escaped uninjured through the fire to their tally-hos.

The planting of celery in the peat lands in Orange county is nearing completion. About 2500 acres will be devoted to this crop this year. Each season shows an increased acreage. Most of the labor employed is Chinese.

An expert who has kept an account of the number of carloads of oranges and lemons shipped from California and the prices obtained for the same, estimates the gross value of the crop for the past season to be slightly in excess of \$14,000,000.

The prices fixed by the wine-makers for grapes for the present is \$13 for white and \$14 per ton for black grapes delivered. D. R. W.

PUBLIC SALE OF NURSERY STOCK

In order to settle an estate and close up the business, a Public Sale of the entire Nursery Stock of

THE STOKE POGIS NURSERIES

To be held on the grounds at Stoke Pogis, near Villa Nova, Montgomery Co, Penn.,

WEDNESDAY, OCTOBER 3rd, 1900.

The stock includes Hardy Evergreen and Ornamental Trees, Herbaceous Plants, Hedge Plants and Shrubbery, Foreign Grape Vines, Small Fruits, California Privet for Hedging, and a general line of select stock, all in first-class condition, clean, well-grown and healthy. Inspection before the sale freely invited. Catalogue and all information from

GEO. C. WATSON, Agent, Juniper and Walnut Sts., Philadelphia
JOHN P. CLEARY, Auctioneer.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

Send for our Price List. We have a fine stock, for fall delivery, of

Field Grown Roses, Clematis, 2 yrs. old, strong;
Flowering Shrubs, line assortment,
Ornamental Trees, Conifers.

To avoid disappointment, order now a supply of

ROSE-STOCKS FOR GRAFTING.

(Prices delivered in this country). **Rosa Manelli,** \$12 per 1000. **Rosa Polyantha,** \$8 per 1000. **Rosa Laxa (Froebeli),** \$8.50 per 1000. The stocks most largely used by European growers for grafting tea roses.

JACKSON & PERKINS CO., Newark, New York.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
 Please mention the American Florist when writing.

ROBT. CRAIG & SON
Roses, Palms
 and Novelties in Decorative Plants.
 Market and 49th Street, PHILADELPHIA PA.

American Beauty Plants,

FINE, CLEAN STOCK, From 4 and 5-in. pots.
 From 12 to 15-in. high.....\$ 7.00 per 100
 From 15 to 20-in. high..... 10.00 per 100
JOHN WALZ, 523 Central Pk., Rochester, N. Y.

ROOT PRUNED Evergreens,

FOR AUTUMN PLANTING. FINELY ROOTED.

5000 NORWAY SPRUCE, 3 1/2 to 5 feet.
 5000 HEMLOCK SPRUCE, 3 feet and over, very bushy, compact and fine.
 25,000 RETINOSPORA in variety, from 1 to 6 ft.
 COLORADO BLUE and ORIENTAL SPRUCE, PINES and ARBORVITÆES in great variety; in good condition for transplanting either in lawns, parks or cemeteries. **LARGE SPECIMENS** for immediate effect.
SMALL EVERGREENS and **EVERGREEN SHRUBS** for window boxes a specialty.
 The **SUCCESS** with which our root pruned Evergreens have been moved is **PROVERBIAL.** **FAILURES** seldom occur. A personal inspection is invited.

The Wm. H. MOON CO.

Glenwood Nurseries, & 702 Stephen Girard Bldg., MORRISVILLE, PA. PHILA., PA.
 60 Miles from New York City.
 30 Miles from Philadelphia.

Collected Seedlings.

Am. Linden, Am. Beech, Sugar Maple, Scarlet Maple, Magnolia acuminata, Magnolia tripetala, White Flowering Dogwood, Yellow Wood, Leather Wood, Spice Wood, Sweet Gum, Tulip Poplar, Red Bud, Water Beech, Hackberry. Please ask for prices on all kinds of Tree and Shrub Seedlings and Seedlings.

TAYLOR PERRY, JR., & CO., Roleta, Tenn.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

WRITE FOR SPECIAL QUOTATIONS ON WIRE WORK DURING SUMMER MONTHS.

42 and 44 E. Randolph St., CHICAGO.

They are Fine;

None better. We offer it unsold on receipt of order.

2100 Bridesmaid.....	in 4 -in. pots	100	1000
1000 "	" 3½ "	4.00	35.00
1720 "	" 3 "	3.00	25.00
500 "	" 2 "	2.00	20.00
300 Brides.....	" 4 "	4.00	35.00
200 "	" 3½ "	4.00	35.00
3500 "	" 3 "	3.00	25.00
1200 "	" 2 "	2.00	20.00
3000 Meteors.....	" 3 "	2.50	25.00

500 Mme. Chateau.....	in 4 -in. pots	100	1000
100 "	" 2 "	2.00	
125 Mme. Cuisine.....	" 4 "	3.50	
250 Lady Dorothea.....	" 4 "	4.00	
150 "	" 2½ "	2.50	
2000 Golden Gate.....	" 2½ "	2.50	25.00
700 Maid of Honor.....	" 4 "	3.00	
700 "	" 2½ "	2.00	

5000 Brides and Maids in 3 and 4-in. pots. These are carried over stock; they are good. We offer them at \$12.00 per 1000.

Latania Berbonica.....	3-in. pots,	\$12.00 per 100
Areca Lutescens.....	4 "	20.00 "
Cocos Weddeliana.....	3 "	12.00 "
Asparagus Sprengerii.....	6 "	25.00 "
" "	4 "	8.00 "
" "	3 "	6.00 "
" "	2 "	3.00 "

Ficus Elastica, 6-in. pots.....75c to \$1.50 each.
Boston Fern, 8-in. pots.....\$25.00 to \$35.00 per 100
Plants are vigorous and unusually fine. Will be carefully packed, and we guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

Flower Seeds.

NEW CROP MIGNONETTE SEED.

MAY'S GIANT.

(Greenhouse grown). A special strain of this well-known variety, grown and selected for us by an expert florist. The seed is saved from only perfect spikes all grown under glass. Price, 25c per trade pkt.; \$1.00 per ½ oz.; \$1.75 per oz.

ENGLISH MUSHROOM SPAWN.

New importation just received. Price, per pound, 15c.; 10 lbs. \$1.00; 25 lbs. \$2.00; 100 lbs. \$7.50. Special prices on larger lots.

Asparagus Sprengerii, 50c per 100; \$4.50 per 1000 seeds.
Smilax, new crop, trade pkt., 10c; oz., 30c.

Chater's Prize Hollyhocks.

Our seed of this has been saved from the finest and largest double flowers only and will produce flowers extremely double and in the best, brightest and most distinct colors.

Now new
Double Pure White, ¼ oz., 25c; 1 oz., \$1.00; trade pkt., 10c.
Double Yellow, Pink, Purple, Red, Rose, Salmon, Crimson, each, ¼ oz., 25c; 1 oz., 75c; trade pkt., 10c.

Chater's Prize Hollyhocks, double mixed, ¼ oz., 25c; 1 oz., \$1.00; trade pkt., 10c.

Bellis, or Double Daisy, Mammoth Mixed and Mammoth White, each, trade pkt., 25c; 1-16-oz., 50c.
Snowball, double white; Longfellow, double pink; each, trade pkt., 15c.

Forget-Me-Not, Victoria, trade pkt., 10c; per ¼ oz., 25c.

Cyclamen, Giant Flowered.

We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors. 250 at 1000 rate.

Moon Blanc, pure white.....	100	1000
Deep Crimson, very large.....	seeds.	seeds.
Rosa von Marienthal, pink.....	.75	5.00
White, Carmine Eye.....	.75	5.00
Giant Flowered Sorts, best mixed,		
½ oz., \$1.50.....	.50	4.50

10 per cent special cash discount on orders over \$2 for Flower Seeds if the cash is enclosed.

Vaughan's Seed Store,
CHICAGO, NEW YORK,
84-86 Randolph St. 14 Barclay St.
Please mention the American Florist when writing.

Special Offer until October 1st

PHOENIX CANARIENSIS,

Elegant stock; fully characteristic. 4¼-inch pots, \$25.00 a hundred; 5½-inch pots, \$35.00 a hundred. This is surely a bargain.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

BOSTON FERN

...A...
SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Bay Trees

Grand Pyramids,
Dense and Dark Foliage.
Exhibition Plants,
The Finest in Trade.

Height with tub, fifteen feet; diameter at the base, six feet. Solid new tubs, 24x24 inches.

Price per Pair, \$50.

THE SAME

With packing, freight and duty free at New York, Philadelphia, Boston.

Price per Pair, \$80.

To be had twenty-four pairs, all alike.

Also 100 pairs Pyramidal Bay Trees twelve feet high,

\$30 and \$80 free per Pair.

Cash or good references with order required.

DE SMET FRERES,

The Nurseries,
Ghent, (Belgium).

Catalogue of other sizes to be had on request.

CHEAP to GLOSE OUT

Boston Ferns
At \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus Nanus,
\$3.50 per 100, \$30.00 per 1000.

Asparagus Sprengerii,
\$2.50 per 100, \$20.00 per 1000.

The above are nice plants from 2½-inch pots.

OTAHEITE ORANGES, from 3-inch pots, \$4.50 per 100; \$40.00 per 1000.

The Good & Reese Co.,

SPRINGFIELD, OHIO.

Please mention the American Florist when writing.

40,000 Carnations 40,000

STRONG FIELD GROWN

	Per 100	Per 1000
WM. SCOTT -	\$3.00	\$25.00
MCGOWAN -	2.50	20.00
ARMAZINDY -	3.00	25.00

Cash with order, please.

WM. FLUEGEE,
154 Lawrence Ave., Station X, CHICAGO.

CARNATIONS

Field Grown MARQUIS

First, \$15.00 Second, \$10.00

L. E. MARQUISEE, Syracuse, N. Y.

8000 Carnations

Good, healthy plants.

G. H. Crane, per 100, \$7.00	Pingree, per 100, \$3.50
Mrs. P. Joost, " 5.00	Mary Wood, " 3.50
Daybreak, " 4.00	White Cloud, " 6.00
Mrs. Jas. Dean, " 4.00	Flora Hill, " 4.00

CARL RAUTH, Springfield, Ill.

10,000 Carnation Plants.

Extra fine large plants, carefully packed,

\$35 per 1000 F. Hill Alaska, McGowan, Scott,
\$5 per 100 C. A. Dana, E. Pierson, Eldorado, Armazindy.

2000 feet of 3-in. BOILER FLUES for hot water heating for sale, 4c per foot, all in good condition, 20-foot lengths.

GEORGE H. BENEDICT, Yorkville, N. Y.

SURPLUS CARNATIONS

Flora Hill, White Cloud, Triumph, Daybreak,
\$.50 per 100.

Crane, America, \$.60 per 100.

Cash with order. W. Sabransky, Kenton, O.

Perles, Maids, Brides.

5000 extra strong 3-in. plants, in prime order for immediate planting and early bloom. Will pay for themselves in six weeks. Special reduced prices:

Maids and Brides.....	\$4.00 per 100; \$35.00 per 1000
Perles, superb stock, 5.00	" 45.00 "
Samples for 25 cts.	

W. H. GULLETT & SONS, Lincoln, Ill.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Chicago's Laurels.

Chicago's grief at the result of that third game in New York is tempered by the vision of the bright silver beauty of the Queen of Edgely Cup, won in the two first games. This is the trophy presented to the National Florists' Bowling League by the Floral Exchange, of Philadelphia, and is one of the richest of the many prizes offered. It is tall and graceful and is attracting much attention at McKellar & Winterson's, where it will remain on display for a few days; then it will be shown to the public at Vaughan's and later at the various retail stores.

New York Matters.

The final meeting of the sporting committee of the New York Florists' Club will be held next Monday afternoon, September 3, at the alleys, Fifty-seventh street and Sixth avenue, between 3 and 6 o'clock. There will also be an election of officers for the bowling club at the same time and place.

At the meeting of the committee held on Monday, August 27, the Baltimore team in the convention contest was disqualified on account of having two men bowling on the team, Messrs. Weber and Binder, whose names had not been entered. Eight names had been entered, but only four of them bowled on the team.

The matter of awarding the ladies' prizes was laid over, but will probably be decided at the next meeting, on September 3.

Overheard and Otherwise Among Returning Pilgrims.

Chicago delegates have been returning in bunches of two and three, foot sore and pocket empty but with a "glad I went" expression of countenance.

"The Chicago bowling team did us proud," said one of the pilgrims. "They carry my money every time from now on."

By unanimous vote the Lake Shore people were decided to be strictly all right and the New York Central—otherwise.

Winterson and Asmus are said to have picked more winners at Sheephead races than any of the native born.

Wheeler has developed into a most successful dreamer of dreams—and they come true.

It is "put me off at Albany," nowadays, with some of the crowd.

Walter Kreitling will have his tickets glued in his hat hereafter.

Red paint is expensive in New York, so they say.

Echoes of the New York Tournament.

Lucky "Billy" Kasting! Verily thou art a dandy, and thy team a whole bunch. Two hundred and twenty-eight for one game, 584 for three games; 1021 for one game, 2775 for three! That for Kasting and Buffalo; all records broken. Wm. Scott has no doubt swept away

the cobwebs and gotten out the black velvet, together with the silver strings, and the show of silver is on. Shake again, old boy! You did yourself proud.

Whew! But wasn't it hot. Talk about wheeling soil out of the rosehouses in July; it wasn't in it with the atmosphere of the Palace alleys on that memorable day. President O'Mara said the New York club spared no expense to have full and plenty of everything, and had engaged an extra fireman so that none should get chilled. That man should not lack for recommendations when he wants to make a change. The thermometer on the wall registered 88° at 8:30 p. m., the finish; during the day when the crowd was present it must have been near the century mark. Everybody was looking for Carmody; he could have booked orders for ventilators by the dozen.

With the exception of the heat the arrangements were all that could be desired; the alleys were in perfect condition and Messrs. Roehrs, Burns and others of the committee were untiring in their efforts to see that everything went off right. On account of the Providence boys not being able to get their men together but five teams lined up at the start. Pittsburg, drawn to bowl with Providence, rolled its game off by itself, no other team seeming to want to take the place of Providence.

The struggle for honors in the first game lay between Chicago and Philadelphia, Chicago winning by seventeen pins, with 924. The teams finished the first game in the following order: Chicago, Philadelphia, New York, Buffalo, Detroit, Milwaukee, Flatbush, Baltimore, Pittsburg, Cleveland and Boston.

The results of the second game changed things considerably. Chicago held the lead with 1842, and by so doing won the Queen of Edgely cup, and thought, as did many others, that they were going to sweep the deck. They trotted out their rag time girl and for the time were strictly in it. The other teams finished as follows for the total of the two games: Baltimore, 1782; New York, 1774; Flatbush, 1764; Buffalo, 1754; Philadelphia, 1739; Pittsburg, 1707; Milwaukee, 1640; Detroit, 1631; Cleveland, 1555; Boston, 1221. Flatbush with 940, Baltimore 966 and New York 898, had improved wonderfully and it was still anybody's contest.

The third and deciding game was started under great excitement. Every pin was needed; each missed spare and every split that appeared was denounced in language more or less elegant, but always expressive. It was nip and tuck for a time, but when "Billy" Kasting got going with his strike ball and didn't stop until he had six in a row, and at the same time A. B. Scott and Webber, his team mates, had double headers working, it was seen that the prizes were bound for next year's convention city. It was hard for the Chicago boys to lose, but Buffalo beat them out just as they did last year, when they rolled off the tie for third place.

It certainly seems a mistake that all the prizes are for the team taking first place. The first three or four clubs are nearly always close together, and the prizes should be arranged so that all save the first should not go empty-handed. The prizes that have to be won twice could be classed as first, second and third, and as they are of equal value might be transposed in their order the next year, and the club winning a first, second or third and winning the same cup twice would be entitled to the same.

This may not be "according to Hoyle," but the present arrangement is not satisfactory and should be improved upon.

The individual bowling should also be commenced with the tournament, if possible, as there is always a number of good bowlers who would like to take part, but who do not care to wait about all day until the team games are over. The difficulty, of course, is that it is not many cities that can boast of more than three pairs of alleys together. The ladies, too, would like a game, as there are quite a number who bowl, but the hour should be set at a reasonable time. Take it all together, it was a great tournament and, on the form shown by the majority of the teams, there are likely to be some surprises in Buffalo in 1901.

K.

Impressions of the Convention.

Viewed from whatever standpoint, the S. A. F. convention has proved a great and memorable event. The Florists' Club of Greater New York has achieved results of which it may well feel proud. It is the unanimous opinion of all those who, like myself, were privileged to inspect the magnificent exhibits, admire the lavish decorations and listen to the interesting and instructive papers of the gentlemen who "know whereof they speak," that nothing upon the same generous scale has ever been accomplished before. And right here I cannot refrain from expressing my sympathy for the "stay at homes." To these gentlemen I say: Brother florists, you have missed a treat. Nay, more than a mere treat, you have missed the opportunity of comparing notes, of seeing and hearing things which have a direct bearing on your own business. By all means come to Buffalo next year.

But, to return to Greater New York, I must confess having failed to maintain my equanimity in this instance. What I beheld upon entering the exhibition hall sent a thrill through my perceptibilities. Verily, I thought, floriculture has made rapid strides, a most wonderful achievement within the short space of one decade. Boston did well, remarkably well, in 1890. New York has surpassed our most sanguine expectations at the close of the century. What, then, is in store for us a decade hence? Only the most vivid imaginations can attempt an answer. As judged by the standard of the past, within the recollections of the youngest member of the craft, the possibilities of floriculture seem practically unlimited.

Floriculture is progressing at an astonishing rate, each succeeding year marking a decided advance. The S. A. F. as a body, and its most active members as individuals, have ample reasons to point with pride to the results achieved. Nor must we overlook the spirit of fraternity that has sprung up of late and is maintained between the members of the craft in various sections of our country. "In union there is strength" is a trite saying, but a true one. New York has demonstrated to us what can be accomplished by concerted effort. The progressive young florist of to-day is bound to move onward.

"Labor with what zeal we will,
Something still remains undone,
Something uncompleted still,
Awaits the rising of the sun."

S. S. SKIDELSKY.

SALEM, O.—O. W. Mundy is remodeling and modernizing his range of houses.

St. Louis.

MARKET STIFFENS A BIT IN THE MISSOURI METROPOLIS.—DOINGS HERE AND THERE, PERSONAL AND OTHERWISE.

The market has stiffened up slightly. Some few roses bring 5 cents and 6 cents, but the average is only 3 cents. Asters and tuberose are of good quality, but carnations are of inferior grades. Funerals have kept some of the boys hustling the past week. One Grand avenue establishment turned out twenty designs last Sunday.

Geo. Waldbart expects to have his new quarters ready for occupancy in about ten days, and they will be fine in the strictest sense of the word. He has ordered a stock of plants for the opening decoration.

The next meeting of the Florists' Club will be held on September 6, instead of the usual date. This is to accommodate the Belleville members, as E. W. Guy, of Belleville, the president-elect, will be installed at this meeting.

T. C. Wendell, who has been in the employ of the Plant Seed Company for thirty years, mysteriously disappeared last Saturday.

As yet no suitable place has been found in which to hold the chrysanthemum show. The pledges for outside premiums are coming in, but none too fast. M.

KALAMAZOO, MICH.—Van Bochove Bros., have completed the three houses which they added to their plant this season. One is for violets, one for carnations and one for roses.

60,000

FIELD-GROWN

Carnation Plants

Argyle, Pingree, Tidal Wave, Evelina, Daybreak, Per 100 \$3.50; per 1000 \$30.00.	Flora Hill, Triumph, Scott, McGowan, Armazindy, Per 100 \$4.00; per 1000 \$40.00.
--	--

EVANS'ON.....Per 100, \$4.00 G. H. CRANE, BRADT..... " 8.00 JOOST..... " 6.00	ROSE PLANTS. METEOR } From 2 1/2 and 3-in. pots, BRIDESMAID } Per 100, \$3.00; 1000, \$25.00. BRIDE } AMERICAN BEAUTY, 3-inch pots, per 100, \$5.00; per 1000, \$45.00.
---	--

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

FOR SALE!
About 5000 Carnation Plants
All colors. The latest style.
Address **A. PAHUD, The Crown Hill Florist,**
INDIANAPOLIS, IND.

Field-Grown Carnations.
Glacier, Evanston, Jubilee, Armazindy, Victor, A. Webb, F. Hill, Daybreak, Dana, Meteor, Morello, Cartledge, M'Gowan, Bridesmaid, Eldorado, Portia, Jahn's Scarlet, Scott. Fancy stock, \$5; ordinary, \$3.
Cash.
DANA R. HERRON, Olean, N. Y.

150,000 CARNATION PLANTS

Large, strong Plants, in excellent health and sold with our guarantee of perfect satisfaction or money refunded.

LIZZIE MCGOWAN.....\$3 00 WM. SCOTT.....3.00 NIVEA.....3.00 ARMAZINDY.....4.00 EVELINA.....4.00 TRIUMPH.....4.00 GOLD NUGGET.....4 00 ARGYLE.....4.00	1000 \$25.00 25 00 25.00 35.00 35.00 35 00 35.00 35.00	FLORA HILL.....\$5.00 EVANSTON.....6.00 MRS. BRADT.....6.00 MRS. JOOST.....6 00 MELBA.....8.00 AMERICA.....8.00 G. H. CRANE.....8.00	100 1000 \$5.00 \$50.00 6.00 50 00 6 00 50.00 8.00 8.00 8.00
--	---	--	--

PETER REINBERG,
51 Wabash Avenue, CHICAGO, ILLINOIS.

25,000 Carnations 25,000

FIELD GROWN PLANTS OF THE FOLLOWING VARIETIES:

15,000 Flora Hill.....\$ 5.00 per 100 4,000 White Cloud..... 8.00 " 1,000 Mrs. Bradt..... 10.00 " 1,000 G. H. Crane..... 10.00 " 1,000 McGowan..... 4.00 "	2,000 Eldorado..... 4.00 per 100 1,000 Wm. Scott..... 4.00 " 1,000 Daybreak..... 5.00 " 500 Emily Pierson..... 4.00 "
--	--

These Plants are all in first-class condition, good size and healthy stock. Write me if you are in need of a large quantity.

CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

4 Acres Field-Grown Carnation Plants, 120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and are packed light by our improved method of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINCREE CRIMSON SPORT DAYBREAK TRIUMPH MCCOWAN FLORA HILL WM. SCOTT	BUTTERCUP ARMAZINDY WHITE CLOUD \$1.25 per dozen. L. L. LAMBORN PORTIA DOROTHY SWEET \$1.00 per dozen.	MRS. C. M. BRADT JUBILEE MELBA \$6.00 per hundred. SWEETBRIER MRS. FISHER C. A. DANA \$5.00 per hundred.
--	--	--

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring and freedom of flower by any others grown.
50 cts. per 100 \$4.00 per 1000. **J. L. DILLON, BLOOMSBURG, PA.**

CARNATIONS..

Field Grown Plants.

F. DORNER & SONS CO.,
LA FAYETTE, IND.
Send for Price List.

Some Carnations.

FINE FIELD-GROWN.

400 Cardinal .....per 100, \$5.00 800 McGowan " 4.00 600 Scott " 4.00 800 Albertini " 5.00 200 Pingree..... " 5.00
--

BROWN & CANFIELD,
SPRINGFIELD, ILL.

10,000 CARNATIONS, 10,000
Extra fine field-grown plants.
Flora Hill, Edith Foster, Daybreak, White Cloud and Joost.
\$6.00 per hundred. Cash, please.
GEO. E. BUXTON, Nashua, N. H.

20,000 FIELD-GROWN CARNATIONS.
We have the following varieties in excellent shape for shipment: FLORA HILL, GOLD NUGGET, DAYBREAK, WM. SCOTT, ELDORADO, ROSE QUEEN, JUBILEE, METEOR, MCGOWAN. Write for prices before placing your order.
Also 5000 Violets. Princes of Wales, field-grown.
W. T. & F. P. BUTZ, New Castle, Pa.

Please mention the American Florist to our advertisers.

Extra Fine Field Grown Carnations

	Per 100	Per 1000
4000 GENEVIEVE LORD	\$10.00	\$75.00
2400 CHICAGO	7.50	60.00
250 MRS. JAS. DEAN	5.00	
2000 GEN. MACEO	8.00	60.00
200 GEN. GOMEZ	8.00	
800 JOHN YOUNG	6.00	50.00
5000 MRS. FRANCES JOOST	5.00	40.00
250 ARGYLE	4.00	
5000 ARMAZINDY	4.00	30.00
7000 EVELINA	4.00	30.00
8000 WILLIAM SCOTT	4.00	30.00
900 FLORA HILL	4.00	30.00

Blooms of all leading varieties, including Mrs. Thos. W. Lawson and The Marquis, unlimited quantity, shipped direct after September 15.

CASH MUST ACCOMPANY ORDER.

CHICAGO CARNATION CO., JOLIET, ILL.

20,000 CARNATIONS 20,000

EXTRA FINE, FIELD GROWN.

	Per 100
FLORA HILL.....	\$ 5.00
WHITE CLOUD.....	6.00
DAYBREAK.....	4.00
WM. SCOTT.....	4.00
MARQUIS.....	12.00
G. H. CRANE.....	8.00
GEN. GOMEZ.....	8.00
MRS. BRADT.....	8.00
GOLD NUGGET.....	6.00
TRIUMPH.....	4.00
VICTOR.....	4.00

W. A. WETTLIN, Hornellsville, N. Y.

**GENEVIEVE
..LORD..**

ANOTHER year's trial convinces us that it is not only a worthy successor to Wm. Scott, but far superior to that variety in every way. In short it is the finest pink Carnation to date, all things considered. We offer a limited number of field grown plants as follows: First size, \$12.00 per 100; second size, \$10.00 per 100. Also a few other vars. Write for prices, etc. Delivery Sept. 1.

H. WEBER & SONS, Oakland, Md.

CARNATIONS FIELD GROWN

Daybreak, McGowan, Scott, Flora Hill, Jubilee, Crane, etc. Write for prices. Healthy plants.
Nutt, Favorite, Beaute Poitevine, dbl. Grant, etc., 2 1/4-in. pots, \$2.50 per 100.

RICHARD INSALL, West Moorestown, N. J.

100,000 Carnation Plants.

WHITE VARIETIES	PINK VARIETIES	RED VARIETIES
Flora Hill \$5.00 per 100	Daybreak..... 4.00 per 100	G. H. Crane..... 8.00 per 100
White Cloud..... 7.00 "	Mrs. F. Joost..... 5.00 "	Jubilee..... 6.00 "
Evelina..... 5.00 "	Albertina..... 5.00 "	Bon Ton..... 5.00 "
Lizzie McGowan..... 4.00 "	Argyle..... 5.00 "	YELLOW VARIEGATED
Mary Wood..... 4.00 "	Triumph..... 5.00 "	Manila..... 5.00 "
John Young..... 5.00 "		VARIEGATED VARIETIES
YELLOW VARIETIES	CRIMSON VARIETIES	Helen Keller..... 5.00 "
Eldorado..... 4.00 "	Gen. Gomez..... 8.00 "	Armazindy..... 5.00 "
Mayor Pingree..... 5.00 "	Empress..... 5.00 "	

MY STOCK IS EXTRA FINE.

I WOULD BE PLEASED TO RECEIVE YOUR ORDER.

Rockford Seed Farms,
Forest City Greenhouses.

H. W. BUCKBEE, ROCKFORD, ILL....

5,000 FIELD GROWN CARNATIONS.

We have the following varieties in excellent shape for shipment: Pingree, Triumph, Evelina, Flora Hill, America, Gold Nugget, J. A. Newby, McBurney, Armazindy, Crane, Bradt, Daybreak, etc. Write for prices before placing your order.

W. W. COLES, Kokomo, Ind.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

FIELD GROWN CARNATIONS

Want 450 Lizzie McGowan in exchange for Daybreak, Flora Hill, Genesee or Portia. Above for sale, with Tidal Wave and Silver Spray.

GEO. SOUSTER, ELGIN, ILL.

Strong Field-Grown Carnations

MELBA, G. H. CRANE.	
MRS. F. JOOST, AMERICA, }.....	\$5.00 Per 100
WHITE CLOUD.	
5,000 Mixed Geraniums.....	2 1/4-in. \$ 1.50
2,000 Named Geraniums.....	2 1/4 " .. 2.00
5,000 Chinese Primroses, white, red,	
pink and blue.....	2 1/4 " .. 2.00
2,000 Begonias, mixed.....	2 1/4 " .. 1.50
1,000 Red Vernon.....	2 1/4 " .. 1.50
1,000 Erfordi.....	2 1/4 " .. 1.50
1,000 Asparagus Sprengerii.....	3 " .. 6.00
500 Nice Rex Begonias, mixed.....	4 " .. 10.00
Calla Bulbs.....	1 1/2 " .. 7.00
Mixed Ferns, strong plants.....	4 " .. 10.00
Pansy Seed, Giant and Fancy mixed, per oz.	4.00

The Morris Floral Co., MORRIS, ILL.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS. Send for prices of thirty-five best new and standard varieties.

GEO. HANCOCK & SON, Grand Haven, Mich.

Buffalo.

LO, THE CONQUERING HERO COMES.—PAN-AMERICAN CITY SWEEP THE DECKS AT NEW YORK.—ORATORS AND BOWLERS EQUALLY INVINCIBLE.

"Veni, vidi, vici." It is as I said. We wanted the convention, and our eloquent speakers outdid even Chicago. Everybody come to Buffalo in 1901 and we will give you a good time. "Billy" Kasting will certainly do his best to make it a success, and with the help of Scott, Cowell, Long, Palmer and others no one will leave dissatisfied. The election of Patrick O'Mara is a selection for merit, if his record with the New York club is any criterion.

Our bowling club was at the convention, as you may have heard. It was rather hard on Chicago to heat her out of the convention and in the howling contest, but the best has got to win. It will be a fine display when all the trophies are on view. Kasting was certainly in it at all times, and "Billy" Webber put up a good article. The election of Wm. Scott as president of the National Florists' Bowling League the year it meets here is quite an honor.

Trade has been only fair for the past week, but the month of August affords no reason for complaint, funeral work being heavy most of the time. Kaisersins, Bridesmaids and Beauties are very good. Gladioli are fine, asters fair and sweet peas all gone.

There have been a number of conventionites in town this week, homeward bound.

W. A.

Carnation Plants For Sale.

Tidal Wave.....\$2.50 per 100
L. McGowan..... 2.50 "
Triumph..... 3.00 "
These plants have not been allowed to flower during summer.

R. J. DONOVAN, 701 Granville Ave., Chicago.

Field-Grown Carnation Plants

You've never seen stronger or healthier ones: Mary Wood, White Cloud, Daybreak, Triumph, Scott, Jubilee, M. Pingree, Empress, Armazindy, \$5.00 per 100; \$40.00 per 1000.

500 at 1000 rate, for cash or C. O. D.; or will exchange for palms and ferns.

LAMPRECHT BROS., Ashland, O.

ZIRNGIEBEL'S

GIANT PANSY PLANTS

NOW READY.

GIANT MARKET.....\$ 5.00 per 1000
GIANT FANCY..... \$10.00 per 1000
Also seed of the above strains, in trade packets, at \$1 each. DENYS ZIRNGIEBEL, Needham, Mass.

Holly. Finest Quality. Any Quantity.

Write us for prices delivered at your door.

CALDWELL The WOODSMAN CO Inc., Evergreen, Ala.
Please mention the American Florist when writing.

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,

CHICAGO.

CHINESE... PRIMROSES

50,000 finest large flowering fringed.....1000, \$15.00; Per 100, \$1.75
Obconica grand., fimbriata, rosea and Forbesi 2.00
Obconica grandiflora and rosea, ready Sept. 20th.
Asparagus { Sprengerii.....\$3.00 per 100 Pansy Seed, large flowering,
Plumosus..... 4.00 " ounce, \$4.00
Cinerarias, October 1st.....\$2.00 per 100.

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

PRIMROSES.

IMPROVED CHINESE, ready for 3-inch pots. Well known as the finest large flowering fringed varieties grown. SINGLES, named, \$2.00 per 100. DOUBLE, named, \$3.50 per 100. Extras added.
CINERARIAS. Finest large flowering dwarf varieties, mixed, ready for 3's, \$2.00 per 100.
CYCLAMEN GIGANTEUM. Fine, out of 3's, \$4.00 per 100.

GIANT PANSY SEED.

The very best mammoth varieties, no finer ever offered; all the seed plants critically selected. SOW THE BEST. Packet, 3500 seeds, \$1.00; half-pkt., 50c. A packet of the grand new Dwarf Forget-Me-Not "Blue Beauty" added to every seed order. Strictly cash prices.

THE HOME OF PRIMROSES.

JOHN F. RUPP, Shiremanstown, Pa.

10,000

Garnation Plants,

FIELD CROWN.

Scott, Hill, Cloud, Crane, Gomez and Joost.

FOR CASH ONLY.

PRICE ON APPLICATION.

J. A. SUYDAM, FLORIST,

FLATBUSH, BROOKLYN, N. Y.

Please mention the American Florist when writing.

CABBAGE plants, H. Succession, Early and Late, Flat Dutch, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

CELERY plants, Pink Plume, New Rose and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE, Grand Rapids, Curled Simpson and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY, extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage, Celery and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ...Of...

ARECA LUTESCENS,
KENTIA BELMOREANA,
PHOENIX RUPICOLA.

Please mention the American Florist when writing.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

A New Catalogue entitled

Flowers and Floral Designs.

Twelve pages and handsome cover. Shows forty-one arrangements, with prices. For agents' use, or promoting out-of-town trade.

Sample, 40c in Stamps. Circular Free.

DAN'L B. LONG, Publisher, BUFFALO.

MIGNONETTE.

Allen's Deliance, seed from selected spikes, 25c per pkt., \$1.00 per ounce.

J. C. SCHMIDT, BRISTOL, PA.

ASSORTED FERNS,

In flats, ready for potting, \$2.00 per flat.

BOSTON FERNS,

Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$20.00-\$25.00 per 100. Also fine plants in 5-6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100, \$4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, \$5.00 per 100.

Asparagus Sprengerii, 2-in., \$6.00 per 100.

Kentia Belmoreana, 2½-in. pots, \$10.00 per 100; 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00.

Send for Particulars.

BOBBINK & ATKINS

RUTHERFORD, N. J.

Continued to Sept. 1st.

100,000 plants for sale at half price and less to make room.

Roses—20,000 strictly A1 plants, 3½ and 4-in. (big fellows), Bride, Perle, Meteor, Maid and Golden Gate, only 4c; worth 10c. The same in 2½ and 3-in., only 3c; cheap at 6c.

Field Carnations—Flora Hill, Lizzie McGowan (white), Scott, Tidal Wave (in pink), Morello and Jubilee (in red), Mayor Pingree (yellow); \$3.00 per 100.

Smilax—15,000 double extra, guaranteed as good as you ever planted, \$1.00 per 100, \$10.00 per 1000; as many as you want.

Geraniums—5,000 Bruanti and Heteranthe (best scarlet), White Swan and La Favorite (best white), American Wonder (best single scarlet), strong 2½-inch, \$1.50 per 100. Rose Geraniums and 10,000 other leading bedders; strong 2½ and 3-in., only \$1.50 per 100. Bear in mind this is only the price of Rooted Cuttings, and you can't buy them for double that in a month.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

EXCURSION TO FORT WAYNE, IND.,

and return, via Nickel Plate Road, at rate of \$4.00 for the round trip account National Encampment Union Veteran Legion. Tickets on sale September 9th to 12th inclusive, with return limit of September 18th, 1900, and will be available on any of our three daily trains from Chicago at 10:35 a. m., 2:30 p. m. and 10:30 p. m., respectively. Vestibuled sleeping cars and first-class service in every respect. Chicago Passenger Station, Van Buren St. and Pacific Ave., on Elevated loop. City Ticket Office, 111 Adams St., Chicago. Write John Y. Calahan, Genl. Agt., 111 Adams St., Chicago, for further information, or 'Phone Central 2057.

The American Florist Company's

TRADE DIRECTORY

IS THE ONLY PUBLICATION WHICH GIVES

Complete lists of the Florists, Nurserymen
and Seedsmen of the United States and
Canada, corrected annually and
arranged both alphabeti-
cally and by states
and towns.

NEW FEATURES

Added in the edition for 1900 are lists of the gardeners or
superintendents of private estates, experiment station
horticulturists, landscape architects and
horticultural supply concerns.

THIS INDISPENSABLE VOLUME OF 387 PAGES, BOUND
IN BOARDS, IS DELIVERED POSTPAID ON RECEIPT OF \$2.00.

AMERICAN FLORIST CO.

324 Dearborn Street,

CHICAGO, ILL., U S. A.

San Diego, Cal.

THE HORTICULTURAL PROFESSION LOSES TWO OF ITS STRONG MEN IN A FORT-NIGHT.

It is not often that anything appears in our trade journals from this extreme southwestern corner of Uncle Sam's extensive domain, but now and then events occur which are of more than passing importance and worthy of the widest dissemination. Such was the death of A. E. Phinney on the afternoon of July 11. His demise was very sudden and occurred at the Standard Fruit Company's packing establishment of which he was in charge. In connection with a son, Mr. Phinney, some twelve years ago or more, established the Sunnyside Nursery, with salesyard and greenhouse in town, diagonally across the street from the Ford Tropical Nursery, which dated back to the fall of 1886. In those days near by on F street was located the office of another firm, the Sweetwater Valley Nursery. At one time a fourth firm, Allen & Orcutt, had their salesground between those named above and on same street. In spite of competition we were all troubled to get stock to supply the demand; but what a "change came o'er the spirit of our dreams." After the bubble burst few people came to our part of the country to buy ranches, make homes and spend money for trees and flowers. For a number of years the Phinneys were mostly engaged in buying and shipping oranges and lemons to eastern markets, where the son spent much of his time in winter, looking after sales. Before coming to San Diego they were engaged in the nursery business at some place in Nebraska. The remains of our old friend and competitor were taken to his native town, Granville, Washington county, N. Y.

On July 25 C. W. Ellsworth died after a short illness, at the age of 69 years. He came to San Diego about the same time as the writer, which was in 1886. He brought a lot of trees from the northern part of the state, where, if I am not mistaken, he was in the nursery business. Only a few blocks from F street, where most nurseries were located, Mr. Ellsworth secured a vacant lot and exposed his stock for sale. A widow and a large family of children and grandchildren are left to mourn their loss, as well as the members of the G. A. R. of this city.

L. M. FORD.

STRONG FIELD-GROWN PLANTS OF

Farquhar Violets.

Free from disease of any kind.
\$6.00 per 100; \$50.00 per 1000.

JOHN MCFARLAND, North Easton, Mass.

VIOLETS From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, \$2.50 per 100, \$20 per 1000. New Imperial, \$5 per 100, \$25 per 1000. 3-inch, \$1 per 100, \$5 per 1000; Imperial, \$5 per 100; \$45 per 1000. Field grown same rates.

ROSES, fine plants of Meteor and Perle, from 3-in. pots, at \$3 per 100, or \$25 per 1000; also 3-inch Brides and Maids same price.

CRABB & HUNTER, Grand Rapids, Mich.

Marie Louise Violets

CLEAN, HEALTHY, POT GROWN PLANTS.

\$4.00 per 100 * \$30.00 per 1000

L. L. MAY & COMPANY, ST. PAUL, MINN.

Please mention the American Florist when writing.

BOSTON FERNS ...A SPECIALTY.

N. EXALTATA BOSTONIENSIS, small plants, \$5.00 per 100 or \$40.00 per thousand; large plants, \$6.00 to \$30.00 per hundred; taken from the bench.

ARAUCARIA EXCELSA, 14 to 16-in. high, 4 to 5 tiers, 6-in. pots, \$1.00 and \$1.25 each; 20 to 24-in. high, 5 to 6 tiers, 6-in. pots, \$1.50 each. Larger size \$2.00 and \$2.50 each.

RUBBER PLANTS, 12 to 15-in. high, \$4.00 per doz.; 20 to 24-in. high, \$6.00 per doz.

WM. A. BOCK, N. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

- | | |
|--|---------|
| | Per 100 |
| ASPARAGUS PLUMOSUS NANUS ,
Fine young plants..... | \$5.00 |
| BEGONIA REX ,
Strong, 3-inch pot plants, in good assortment..... | 6.00 |
| CYPERUS ALTERNIFOLIUS ,
2 1/2-inch pots..... | 3.00 |
| CYCLAMEN ,
Dry bulbs, finest strain, mixed..... | 6.00 |
| CAREX JAPONICA VARIEGATA ,
An excellent decorative grass. Extra strong plants from 2 1/2 pots..... | 5.00 |
| NEPHROLEPIS CORDIFOLIA ,
2 1/2-inch pots..... | 3.00 |
| SMILAX , Field-grown, strong clumps..... | 3.00 |
| Extra heavy..... | 5.00 |
- NATHAN SMITH & SON, Adrian Mich.**

100,000 FERNS IN FLATS - - -

At One Cent.

Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginellas, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

BOSTON FERN.

2 1/2-in. pots, \$5.00 per 100; 3-in. \$8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The **CONARD & JONES COMPANY**, West Grove, Pa.

Beauties. Sprengerii.

AM. BEAUTY ROSES, good, 3-inch, \$6.00 per 100.

ASPARAGUS SPRENGERII, strong plants, ready for 3-inch pots, \$5.00 per 100, \$45.00 per 1000.

Robert F. Tesson, West Forest Park, St. Louis, Mo.

Rubber Plants.

18 inches high above pot... \$3.00 per doz.
14 to 16 in. high above pot... \$2.40 per doz.

These plants are extra strong and well grown, and can be shifted to 6-inch pots.

CINCINNATI FLORAL CO.
2330 Harrison Ave., CINCINNATI, O.

CHINESE PRIMROSES,
Finest large flowering fringed, from 2 1/2-in. pots, strong, \$2.50 per 100.

PRIMULA OBCONICA grandiflora, very strong plants in bloom, ready for 4-in. pots, \$3 per 100.
CASH WITH ORDER.

E. NAGEL & CO., Minneapolis, Minn.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors; a splendid stock of plants from 2 1/2-in. pots, \$5.00 per 100, \$40.00 per 1000; from 3-in. pots, \$7.00 per 100, \$60.00 per 1000.

CHINESE PRIMROSES—(fringed) single and double, in the finest market varieties; from 2 1/2-in. pots, \$2.50 per 100.

BEGONIA REX—(rooted cuttings) in 15 vars. mixed, \$1.50; assorted, \$2.00 per 100.

CINERARIAS—hyb. maxima grandiflora nana, from 2 1/2-in. pots, \$2.50 per 100, \$20.00 per 1000.

CARNATIONS—(field grown) strong, healthy plants: Daybreak, Wm. Scott, McGowan, White Cloud, first size \$4.00 per 100, \$35.00 per 1000; second size \$3.00 per 100, \$25.00 per 1000. 250 plants of any of the above at the 1000 rate.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Orchids!

Arrived fresh from the woods in fine condition: *Laelia anceps*, *L. autumnalis*, *L. Crispa*, *L. flava*, *L. grandis tenebrosa*, *L. Perinii*, *Oncidium Varicosum Rogersii*, *Cattleya Percivaliana* and *C. Mossiae*.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

NOVELTIES IN PLANTS

That Can't Be Had Elsewhere.

Such as New Kalanchoe Flammas, New Incarvilleas, New Campanula Mirabilis, New Buddleias, New Deutzias, Mr Peter Barr's New White Lupin, The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea. Send for Catalogue of Novelties Always in quantity—Asparagus Sprengerii, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices.

A. BLANC & CO., Philadelphia, Pa.

VINCA.... For Fall Delivery *

VARIEGATA Two Sizes.

FIELD GROWN, VINES Prices on Application.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

BOSTON FERN, 7 and 8-in. puns \$12 and \$15 per doz.
GERANIUMS, S.A. Nutt and others, 3-in., \$4 per 100.
NEP. COROATA COMPACTA, 3 in., \$5.00 per 100; 6-in., \$20.00 per 100.

ASPARAGUS PLUMOSUS, 2 1/2-in., \$5 per 100, \$40 per 1000. **ASPARAGUS SPRENGERII**, 2 1/2-inch, \$4.00 per 100; \$30.00 per 1000.

SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. Carl Hagenburger, W. Mentor Ohio.

BEGONIA GLOIRE DE LORRAINE

Plants from 2-inch pots,

\$2.50 per dozen; \$17.50 per hundred.

Money Order Office, **EDWIN LONSDALE**, Chestnut Hill, Wyndmoor, Sta. H, Philadelphia. Montgomery Co., Pa.

Asparagus Plumosus

Fine 3-in. Stock, \$5.00 per hundred.

==Smilax==

Fine 3-in. Stock, \$2.50 per hundred.

VAN WERT GREENHOUSES,

.....VAN WERT, OHIO.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

WE ARE READY

FOR THE COMING SEASON WITH THE MOST COMPLETE AND COMPREHENSIVE LINE OF FLORISTS' SUPPLIES TO BE FOUND IN AMERICA.

Being one of the largest Importers and Manufacturers of Florists' Supplies, we invite every Florist to step in and see our stock, if at all possible, or write to us for our handsome new Illustrated Catalogue, which will be found complete and up to date. A few of our specialties are, Imported Cycas Leaves (dull and glazed), our famous Wheat Sheaves, Immortelles, Cape Flowers (all colors), Novelties in Fancy and Plant Baskets for every occasion; Pot Covers, Pedestals and everything that is needed by the trade will be found at "Headquarters."

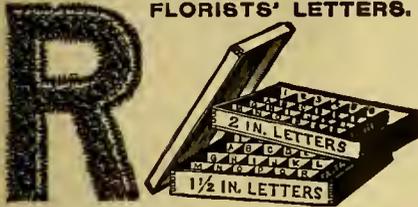
M. RICE & COMPANY, IMPORTERS AND MANUFACTURERS,

918 Filbert Street,

PHILADELPHIA, PENN.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00.
Script Letters, 84. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs, AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & Co., 54 West 30th St. New York.

HORTICULTURAL SUPPLIES.

We've thousands of readers and hundreds of advertisers. Each helps the other.

ESTABLISHED 1866

EMIL STEFFENS

SUCCESSORS: N. STEFFENS AND STEFFENS BROS.



PURE RAW BONE MEAL

Put up especially for our trade. For Roses and Carnations nothing equals it. Use it on Chrysanthemums and you will win the prize at your flower show for the best bloom. 10 pounds, 40c; 25 pounds, 75c; 50 pounds, \$1.25; 100 pounds, \$2.00; 1 Bag, 200 pounds, \$3.75.

THE VAIL SEED CO., Indianapolis, Ind.

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

Imported Prepared

CYCAS LEAVES

LOWEST PRICES.

RECEIVING REGULAR SHIPMENTS.

Florida Natural Products Co.,

P. O. Box 273, Indianapolis, Ind.

SMILAX STRINGING Made Easy by the use of

MEYER Green SILKALINE

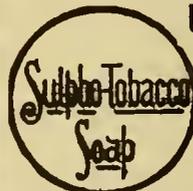
JUST THE SHADE OF THE FOLIAGE.

Samples and prices free.

JOHN C. MEYER & CO.,

80-84 Kingston St. BOSTON, MASS.

For sale by leading Florists.



Universal Insecticide

For Flowers, Trees and Animals.

Recommended and in use by the foremost florists and nurserymen in the land.

For Sale at the Seed Stores.

ROSE MFG. CO.

NIAGARA FALLS, N. Y.

KIFT'S PATENT Adjustable Vase Holders

No. 1—Brass, nickled, 4 feet long, 5 clasps to each rod. Price complete with green or white tumbler) \$2.25. Price complete (with green or white cornucopia vase) \$2.50. No. 2—Heavy 4 ft. rod brass and nickled, with three clasps for 5 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
1725 Chestnut St. Philadelphia, Penn.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palm, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all polished copper, \$1.00. Cash with Order. Weighs about 5 pounds. Buyer pays express. STEVENS & CO., 107 Chambers St., N. Y. City.



Invalid Appliance Co.,

MANUFACTURERS OF

COLUMBIA PLANT TUBS

(PATENTED)
"The kind that never fall apart."
If your workman doesn't handle them, order of us direct.

FACTORY AND OFFICE:
150-160 VEDDER ST., CHICAGO, ILL.
TELEPHONE NORTH 953.

Please mention the American Florist when writing.

All Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; It is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A."
Chilwell Nurseries - Notts, England.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

The Propagation of Verbenas.

ED. AM. FLORIST:—Will verbenas raised from cuttings bloom as freely as seedlings? When should cuttings be taken and what time should the plants be started to have them in bloom by the middle of May?

Verbenas raised from cuttings will flower as profusely and as early as seedlings. To obtain best results the old plants in the beds or field should be cut back severely about September 1, the soil around them loosened and top-dressed so as to induce vigorous young growth to propagate from. The cuttings, when rooted, are potted off singly in clean 2-inch pots and placed near the glass in a rather cool house. Cleanliness, free circulation of air and careful watering will keep them in a heathy condition during the winter months. About March 1 these stock plants should be planted out on a bench; 50° to 55° is warm enough for them; here they will grow freely and produce nice, healthy cuttings. Let this growth get good and long, cut the shoots into single eyes, insert in clean sand and give gentle bottom heat. It takes about ten days to root them. When fairly established in pots, probably about the first week in April, they should go out in a hotbed frame, and here nearly all of them will be in bloom by the middle of May. A second and third crop of cuttings, treated in the same manner, will come on a trifle later. In the gentle warmth of the hotbed the plants grow very rapidly, and if the original cuttings were free from rust and mildew no troubles of this sort need be feared. Almost everybody grows verbenas now from seed. They come true to color and it does away with the troublesome work of keeping a lot of stock plants healthy and free from rust during the dark winter months, though at times it may be advisable to propagate extra good varieties in the old way. J. B. K.

WARD, PA.—Percy Glenn is improving his heating facilities by the addition of a large brick smoke stack.

Die Bindekunst

Einzige Special Zeitschrift der Welt für BLUMENBINDEREI.

Probenummern umsonst.
Abonnement 10 M. jährlich.

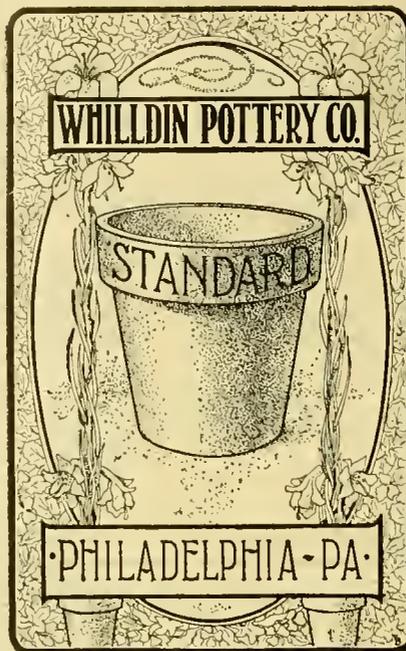
J. OLBERTZ, Bindekunst Verlag,
ERFURT, DEUTSCHLAND.

THE Regan Printing House
NURSERY SEED FLORISTS CATALOGUES

87-91 Plymouth Place,
CHICAGO

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs. \$2.00 Per Year. Sample Copies Free. Liberal returns to florists who take subscriptions. THE GARDENING CO., Monon Bldg. CHICAGO.



BRANCH WAREHOUSES: Jersey City, N. J.
Long Island City, N. Y.



The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt.
(GERMANY)

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWANN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
381-383 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Nikoteen Aphis Punk
It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabcura Dip Co.
St. Louis—Chicago.

"NICOMITE"
(PATENT)
Vapor Insecticide
POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of ALL GREENHOUSE BUGS.
SOLD BY SEEDSMEN.
The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

IMP

LIQUID PLANT FOOD
For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 280 Clark St.

THE
Gardeners' Chronicle.
A Weekly Illustrated Journal.
ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

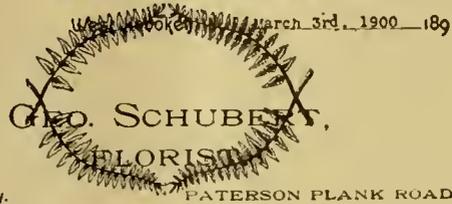
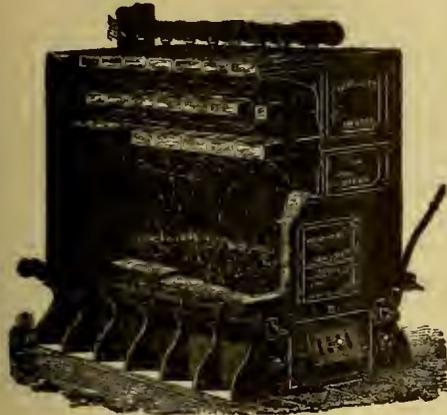
Subscription to the United States, \$4.20 per Year Remittances to be made payable to H. G. OOVEN.

OFFICE:—
41 Wallington St., Coven Garden, London, England.

.....If your.....
Business Methods
are right you can make a profit on an advertisement here.

THIS IS THE HEATER,

AND THIS IS WHAT THEY SAY OF IT.



Forms a Specialty.

PATERSON PLANK ROAD.

Messrs. THOS. W. WEATHERED'S SONS,
46 and 48 Marion Street, New York, N. Y.:

Gentlemen—I am highly gratified with the results I have obtained from your Sectional Boiler which you put in for me last October. Although you would only guarantee the six sections to heat 1620 feet of 4-in. pipe, I attached it to over 1,800 feet. It did it so well that I put on about 300 feet more, making in all 2,100 feet, and I am positive that I can add more to it. It is the best I have ever seen and a great coal saver. I have to keep the fire door open all the time. I would be pleased to have anyone call and see it. Yours truly,

George Schubert

WE REFER to the following named parties who have lately purchased and are using our Sectional Boiler:

E. M. Wood & Co., Natick, Mass.
David Dean, Astoria, N. Y.
Wm. G. Muller, Lyons Ave., Newark, N. J.
N. Y. Zoological Gardens.
Geo. Schubert, West Hoboken, N. J.

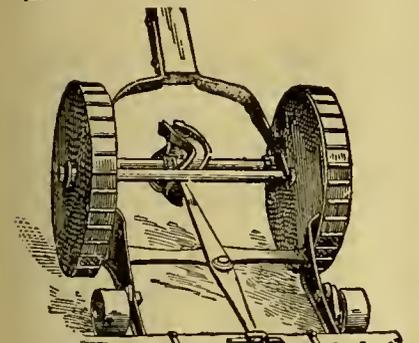
R. E. Shufelt, Chatham, N. Y.
A. E. Aldrett, Morrison, Ill.
J. W. Miller, Craighead, Pa.
John Scott, Flatbush, Brooklyn, N. Y.
Keap St. Greenhouses, Brooklyn, N. Y.

Geo. Fick, West Hoboken, N. J.
A. Brunner, Lyons Farms, N. J.
H. C. Patthey, Bayshore, N. Y.
Ditzenberger Bros., Bay Ridge, N. Y.

Established 1859. **THOS. W. WEATHERED'S SONS,** HORTICULTURAL ARCHITECTS AND BUILDERS,
Mrs. of Hot Water and Steam Heaters. 46 Marion St., NEW YORK

THE MOWER

THAT will KILL ALL THE WEEDS IN YOUR LAWNS. If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small tenders of roots, the grass will become thick and weeds will disappear. The Clipper will do it. Send for circulars and prices.



CLIPPER LAWN MOWER CO., Norristown, Pa.

The Bottomless Pot

Paid,
MORE ESPECIALLY FOR VIOLET
AND CARNATION CULTURE,

ALSO

THOSE RED POTS

"Standards."

Azalea Pots, Fern Pots, Bulb Pans.

-DETROIT FLOWER POT M'FY,

Established 1853. DETROIT, MICH.

P. O. Address, 490 HOWARD ST.

HARRY BALSLEY, Traveling Representative.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20
1500 2 1/2 " " " 5.85	60 " " " 3.00
1000 3 " " " 6.00	48 " " " 3.60
800 3 1/2 " " " 5.80	24 " " " 4.80
500 4 " " " 4.60	12 " " " 4.80
320 5 " " " 4.51	12 " " " 4.80
144 6 " " " 3.76	6 " " " 4.50

Send pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... **FORT EDWARD, N. Y.**
AUGUST BOLKER & SONS, New York Agents
62 DEY STREET, NEW YORK CITY.

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class. Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO.,
YOUNGSTOWN, O.

Please mention the American Florist when writing

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.

Please mention the American Florist when writing.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON. O C

Please mention the American Florist when writing

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent paid for \$2.50. Without spraying valve, \$2.00.

The Hess Connection Co., Kingston, R. I.

GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

LANCASTER, PA. June 17, '99. MR. THERON PARKER, Brooklyn, N. Y.: Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900. Very Respectfully, ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.,

226 North 9th Street, BROOKLYN, N. Y.

THE MODEL ROSE STAKE Looped and Pointed.

THE MODEL PLANT STAKE for Lilies and all Pot Plants.

Holds Glass Firmly

See the Point at The Van Ruyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid. HENRY A. DREER, 714 Chestnut St., Phila., Pa.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE QUAKER CITY MACHINE WORKS RICHMOND, IND.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address **JOHN G. ESLER, Sec'y F. H. A.,** SADDLE RIVER, N. J

Port Chester, N. Y.

The excessive heat caused a rather short session at the August meeting of the Westchester County Gardeners' Association on Saturday evening, August 25. Thos. France and John Johnson were elected to membership. Arrangements were completed for meeting in a new hall with ample accommodations for the holding of the society's exhibitions. The association now meets in Knights of Columbus Hall, Ryan building, Port Chester, N. Y., the fourth Saturday of each month. JOHN W. DUNCAN.

LANCASTER, PA.—Peter Brown, the pansy grower, has returned from a European trip.

MULBURY, MASS.—Wm. E. Horne & Sons are about to close out the greenhouse department of their business.

RICHMOND, IND.—John M. Gift has resigned his position at Easthaven hospital to embark in business for himself, succeeding Behring & Co.

GREAT BARRINGTON, MASS.—Jacob A. Raifstanger has gone into bankruptcy. Liabilities are given as \$5,377, of which \$3,500 is secured to the Great Barrington Savings Bank. Assets, \$165.

CINCINNATI, O.—On the night of August 27 fire destroyed the barn and adjacent buildings at the greenhouses of Henry Schwarz, also damaging considerable stock. The loss is about \$300, with no insurance.

CONGERS, N. Y.—Henry Backer, who has been operating the greenhouses formerly conducted by Schneider & Noe, was killed while walking along the railroad track on the morning of August 13. He was 80 years of age.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS. HOT-HOUSE GLASS A SPECIALTY.

H. M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF **Pure Linseed Oil Putty, Paints, Brushes Etc.**

WRITE FOR LATEST PRICES.

Water Every Day in the Year for Flowers and Lawns when

RIDER or ERICSSON

HOT AIR PUMPS

are used. Nearly 25,000 sold during the past twenty-five years.

Send to nearest office for Catalogue "A 3."

RIDER-ERICSSON ENGINE CO.

29 Cortlandt Street, New York. Teniente-Rey 71. Havana, Cuba. 86 Lake Street, Chicago. 239 Franklin Street, Boston. 40 N. 7th Street, Philadelphia. 692 Craig Street, Montreal, P. Q. 22 A, Pitt Street, Sidney, N. S. W.

Please mention the American Florist when writing.

CYPRESS WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 to 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

MACHINERY and SUPPLIES at BARGAIN PRICES

We have the largest machinery depot on earth. We secure our machinery from the various buildings and plants that we are constantly buying. We purchased The World's Fair, The Omaha Exposition, The Chicago Post-Office and numerous other noted structures. Our facilities for rebuilding machinery are unsurpassed. We cover all our sales with binding guarantees. **BOILERS FROM \$25 UP. ENGINES FROM \$35 UP. STEAM PUMPS FROM \$15 UP - etc., etc.**

We also carry a complete stock of general supplies, such as BELTING, SHAFING, HANGERS, PULLEYS, IRON PIPE, VALVES and FITTINGS, IRON ROOFING, HARDWARE, PLUMBING MATERIAL, etc. Cut this ad. out and we will send you Free our 250 page Catalogue No. 47. We are constantly buying entire stocks at Sheriffs and Receivers Sales.

CHICAGO HOUSE WRECKING CO.
West 35th and Iron Streets, CHICAGO.

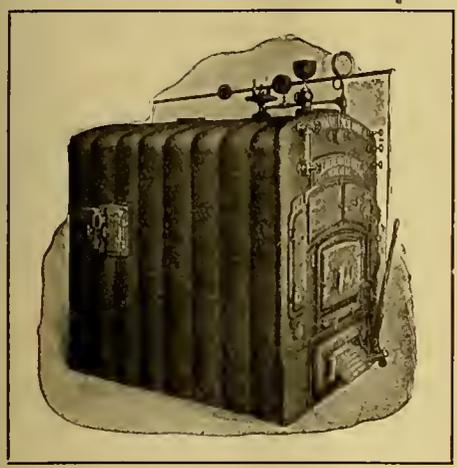
Please mention the American Florist when writing.

EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....

THE CHAMPION VENTILATING APPARATUS

Catalogue is free. A postal with your name and address secures it. Address **COOLIDGE BROS., Florists, So. Sudbury, Mass.**

ANOTHER VICTORY!



The Furman Boiler

NEW MODEL

Received the Highest Award, the Certificate of Merit, at the New York Convention of the Society of American Florists.

The judges being
ALEXANDER MONTGOMERY, Natick, Mass.,
ROBERT SIMPSON, Clifton, N. J., and
MALCOM MacRORIE, South Orange, N. J.

SEND FOR OUR NEW CATALOGUE.

The Herendeen Manufacturing Co.

20 VINE STREET, - - GENEVA, N. Y.

LOW PRICES

 on GLASS and PAINT
John Lucas & Co.
PHILADELPHIA. NEW YORK. CHICAGO.

CYPRESS
IS MUCH MORE DURABLE THAN PINE.

CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.

GREENHOUSE AND OTHER BUILDING MATERIAL.

Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.

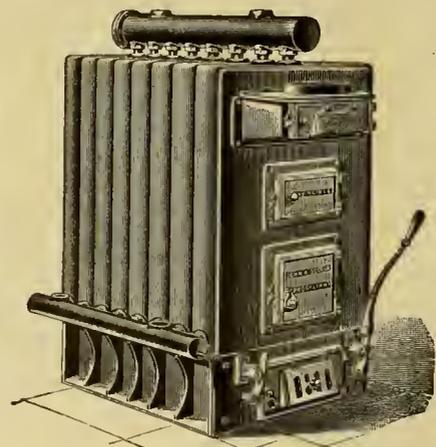
THE A. T. STEARNS LUMBER CO.,
NEPONSETT, BOSTON, MASS.

Please mention the American Florist when writing

Boilers

 OF HIGH GRADE...
For GREENHOUSES.
See our Catalogue.

Steam and Hot Water. Giblin & Co., Utica, N. Y.
Please mention the American Florist when writing.



"INVINCIBLE."

...THE...
SCOLLAY BOILER
FOR
Greenhouse Heating, Etc.
HOT WATER OR STEAM.

FARMINGTON, CONN., March 9, 1896.
"The Invincible Boiler you placed in my Carnation houses has given great satisfaction. I did not have to run the boiler hard even when the thermometer stood 18° below zero. It has proved 'Invincible' in every respect."
HUGH CHESNEY, Florist.

SEND STAMP FOR CATALOGUE AND PRICE LIST.
Estimates Cheerfully Given.

JOHN A. SCOLLAY,
74 and 76 Myrtle Ave., Brooklyn, N. Y.

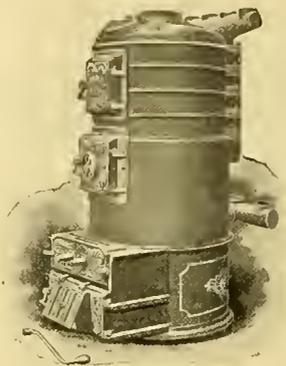


Valley Gutter and Drip Conductor, 54c per foot. Without Drip Conductor, 40c per foot.

Jennings Bros., GREENHOUSE DESIGNERS... & BUILDERS.
Mfrs. of and dealers in Greenhouse Specialties.
Patent Iron Bench Frame Fittings.
Improved Cast iron Gutters and Plates.
Send for Catalogue. Jennings Bros., Olney, Philadelphia, Pa.

Index to Advertisers.

Advertising Rates	174	Krosschell Bros Co.	147
Allen J K	179	Kuehn C A	178
American Rose Co.	176	Kuhl Geo A	185
Amiling Albert F.	185	Lager & Hurrell	191
Amiling W C	177	Lake w Rose Garden	183
Banner J L	176	Lamprecht Bros.	188
Barnard W W & Co.	1	Lank Fulue	179
Baur & Alfred	185	Ley John H	191
Bassett & Washburn	177	Limprecht S J	179
Bayerdorfer H & Co.	191	Lockland Lum Co.	194
Benedict Geo H	183	Long D B	188
Bentley & Co.	177	Lonadale Edwlin	191
Berger H H & Co.	11	Lord & Burnham Co	147
Berling H G	178	Lucas J & Co.	111
Berouille H G	178	Lynch W E	177
Blidekunst Die.	192	McCarthy & Co N F.	178
Bianc A & Co.	190	McCrea & Cole	176
Boobins & Atkins.	188	Moradon H C	180
Bock Wm A	190	McFarland John	180
Boston Letter Co.	191	McKellar & Winesor	177
Brant & Noe	185	MacBean A S	185
Brown Peter	176	Mader Paul	190
Brown & Canfield	186	Marquisee L E	183
Bruns H N	11	May L L & Co	191
Bucabee H W	187	Meyer John C & Co	191
Bunions J A	177	Milling & Co	179
Bunyard H A	185	Miang Frank	179
Burpee W A Tree & Co.	11	Model Plant Stake Co	193
Bulz W T & F P.	186	Muller's Gartner Zel-	192
Buxton Geo E	186	Moninger J C Co.	194
Caldwell the Woods-	188	Moon Samuel C	182
man Co.	176	Moon Wm H	182
California Nursery Co	11	Moore, Hentz & Nash	179
Carmody J O	185	Morris Floral Co.	187
Chadwick Chas	186	Moss Geo M	178
Chicago Caration Co	187	Murphy Wm	187
Chicago House Wreck-	194	Myers & Co	195
ing Co	194	Nagle & Co E	190
Cincinnati Cut Flo Co.	178	National Flo's Board	176
Cincinnati Floral Co.	190	Trade	176
Clark Wm A & Son	191	Nickle Plate R R	176
Clipper Lawn Mower	193	Niessen Leo	178
Co.	193	Noenne & Hoepker	11
Cohen J M	178	N Y Cut Flowers	179
Coles W W	187	N Y Cut Flower Co.	179
Conard & Jones Co	190	Palud A G & Co.	186
Conroy John & Son	191	Pederson Bjergaard J H	185
Cooldge Bros	184	Pennock Sam'l S	178
Cottage Gardens	1	Perry Taylor & Co.	182
Crabb & Hunter	190	Pierce F O Co	147
Craig Robt & Son	182	Pittsburg Cut Flo Co.	176
Crouch Mrs J W	185	Pollworth C O Co	176
Cunningham Jos H	188	Prince A G & Co.	177
Cunningham D O	188	Quaker City Mfg Wks	194
Glass Co	191	Randall A L	177
Heamud J B	177	Rauth Carl	183
De Smet Freres	183	Kaynor J L	179
Detroit Flor Pot Wks	193	Reed Glass & Paint Co	147
De Lichtner A Cardon H	11	Reed Printing House	182
Dexter Lillian Allen	176	Reinberg Geo	177
Dickinson Chas Albert	11	Reinberg Peter	177
Dietsch A & Co.	196	Retzer Walter & Co.	1
Dillon J L	186	rice M & Co	191
Donovan R J	188	Rider-Ericsson Eng Co	194
Dorner Fred & Sons Co	186	Rodgers Alex	181
Dreer H A	183	Rolker A & Sons	11
Dunne & Co.	192	Rose Mfg Co	191
Eastern Chemical Co	192	Rupp John F	188
Edgar W W	181	Sabransky W	183
Eichholz Conrad	11	Sander & Co	190
Elkhoniz Henry	181	Schillo Adam	147
Ernest W H	193	Schmidt J C	188
Ferguson John B	178	Schorer John A	191
Finley Lawn Mower Co	190	Shertoun W E	179
Florida Nat Prod Co	191	Siebrecht & Son	11
Fluegge Wm	183	Situations & Wants	175
Fora Bros	179	Skabura Dip Co	192
Foster Lucius H	183	Smith Nath & son	191
Gardeners Chronicle	192	Sloan C	187
Gardening Co The	192	Souster Geo	187
Garland Geo M	147	South Side Floral Co	188
Geller Sigmund	191	Stahl Chas H	178
Ghormley Wm	179	Stearns Lumber Co	195
Gibbons H W	147	Steffens Emil	191
Giblin & Co	195	Stevens & Co.	191
Good & Reese Co.	184	Stothoff W W H	183
Gorton & Lidkerwood	147	Storrs & Harrison Co	182
Gullett & son W H	183	Styer J J	184
Gunther Wm H	179	Suydam J A	188
Gurney Heater Co	196	Sueneraud Geo A	178
Hazenbarker Carl	190	Swahn Pottery Mfg Co	192
Hall Ass'n	193	Tesson Robt F	190
Hancock Geo & Son	187	The Burr J M & Co	180
Hancock Joseph	184	Tobacco Warehousing	192
Heise J B	183	and Trading Co.	192
Hennecke C Co	193	Traendly & Schenck	149
Herendeen Mfg Co	195	Vall Seed Co	191
Herr Albert M	183	Van Wert Greenhouses	190
Herrmann A	191	Vaukhan's seed store	191
Herron Dana R	186		183 185 1
Hewe A H & Co	192	Vick's Sons Jas	11
Hilfinger Bros	193	Vincent & son	188
Hill E G & Co	1	Vredenbarg & Co	11
Hippard E	193	Webb R R	11
Hitchings & Co	193	Weich John	182
Holton & Hunkel Co	176	Watson C Co	182
Hooker H M Co	191	Weathered Sons	192
Horne Edw C	179	Thos W	193
Hort Adv	191	Weber H & Sons	187
Hose Connection Co	194	Weber & Don	11
Hunt E H	177	Weiland & Risch	177
Isaell Richard	187	Weich Bros	178
Iravidal Appliance Co	191	Wetzel John	187
Jackson & Atkins Co	182	Whildin Pot Co	192
Jackson E B	182	Wieler Bros	177
Jacobs S & Sons	147	Wittbold The Geo Co	1
Jennings B B	185	Wood Bros	181
Jennings Bros	191	Woodroffe & Bern-	178
Johnson & Stokes	181	holder	178
Kaestig W F	178	Wrede H	147
Keller Bros	193	Young Joo	179
Keller Geo & Son	192	Young & Nye	179
Kellogg Geo M	178	Young Thos Jr	179
Kennett Bros Co	183	Zirngelbel D	188
Kidd J N	185		
Klit Robert	191		



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse RELIABLE-DURABLE-ECONOMICAL.

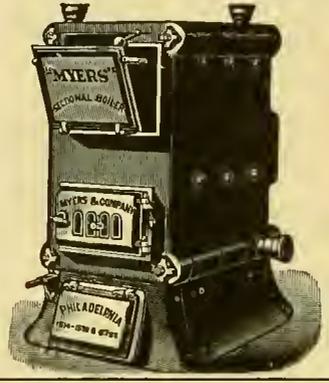
SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

GURNEY "400 SERIES" HOT WATER HEATER.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.

GREENHOUSE MATERIAL,

Cal. Red Cedar and Louisiana Cypress.

BEST GRADES. PERFECT WORKMANSHIP.

A. DIETSCH & CO. 615-621 Sheffield Ave. CHICAGO, ILL.

Finley Rotary Lawn Rake.

Something New.



"PAPA! WE CAN RAKE YOUR LAWN."

THIS IS A CUT SHOWING THE FINLEY LAWN RAKE IN OPERATION

The mower and reaper succeeded the scythe; the thrasher succeeded the mill—but never until now has a machine been invented to take the place of the antiquated hand rake. The machine has arrived. This is it. YOU NEED IT.

A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves and small loose litter of any kind, stones included, that a HAND rake would not touch. A man can rake three times as fast as with a hand rake. A CHILD can run it. Just the thing to fight crab grass. It will save its cost in 60 days on any good lawn.

Send for Particulars.

FINLEY LAWN RAKE CO.,

PRICE \$12.00. JOLIET, ILLINOIS.

TARRYTOWN, N. Y.—Miss Helen A. Gould has presented to the Botanical Gardens of Bronx Park, from her greenhouses here, over 250 fine specimen plants, one palm being over thirty feet in height.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, SEPTEMBER 8, 1900.

No. 60

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. Wood, Natick, Mass., president; F. R. Pierson, Tarrytown, N. Y., vice-president; Wm. J. Stewart, 67 Bromfield St., Boston, Mass., secretary; H. B. Beatty, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 32 PAGES WITH COVER.

CONTENTS.

Roses up to date.....	197
Rhinebeck's violet industry.....	198
John Walker (portrait).....	198
English plant notes.....	198
Robert Craig & Son's shirt waist brigade (illus.).....	199
Herbaceous plant notes.....	199
A New Brunswick antirrhinum (illus.).....	200
Helpful reminders.....	200
Divergence of heating directions.....	200
A flower for the masses (illus.).....	201
Paris.....	201
Boston.....	202
Philadelphia.....	202
Chicago.....	203
Indianapolis.....	203
That hide returned.....	204
The cost of ice.....	204
Greenhouse building.....	204
Heating capacity of boiler.....	204
Size of hot water main.....	204
Watering roses.....	204
Propagation of Begonia Gloire de Lorraine.....	204
New York.....	204
Obituary—Sir John B. Lawes.....	205
—T. C. Wendell.....	205
The seed trade.....	210
St. Louis.....	210
The nursery trade.....	212
Louisville.....	212
Syracuse, N. Y.....	212
Our pastimes—At New York.....	214
—Chicago felicitates herself (illus.).....	214
Detroit.....	214
Pennsylvania Horticultural Society.....	216
Los Angeles.....	220
Washington.....	222

Roses Up To Date.

[Read by John H. Dunlop, of Toronto, at the convention of the Canadian Horticultural Association, August 16 and 17, at Montreal.]

The subject assigned me is one that appeals to the heart of every true lover of flowers, whether he be engaged professionally, or as an amateur, or as a purchaser. How often it has been remarked that people never get tired of roses! Why, if we look backward and take a retrospective view, we will find that the rose was mentioned in the earliest writings, when at all feasts and at all great gatherings, the rose is spoken of as the flower that graced all those functions. Some writers claim that the rose has been the favorite flower for some 3,000 years; it is the flower that the people never tire of, always having new charms appealing to one's love of the beautiful. What flower has stood the test of time as has the rose? It has traveled through ages without changing its destiny or losing its character. The homage rendered and the love borne it have always been the same and it has been given the first place in the floral kingdom. There is no other flower combining so many charms, and to-day the rose holds the same supreme position it did in those early times. It is the flower most sought after, appealing to the hearts of the people of this generation more than any other and bringing the highest price in the floral market.

There are other flowers that have their season, but of short duration. They have their points of beauty, and admirers, but what flower combines so many, in fact all good points of other flowers, color, form, fragrance? None but the rose, and though people will enthuse over the others, in their season, they will come back to their first love, the rose. It has been so from the earliest ages and will be to the close of time. I can only speak of the up to date roses from a florist's standpoint; they are comparatively few and I will enumerate them as they suggest themselves to me.

To my mind there is no rose that will compare with the American Beauty, with its magnificent foliage, grand stem, flower and exquisite fragrance. We all know it. Can any person pass a vase of this rose without stopping to enjoy its beauty and odor? It was one of the sights never to be forgotten at the first exhibition of the American Rose Society, held in New York last March, when some 2,000 magnificent blooms were staged, tall, stately, perfect flowers.

The Bride, is the rose par excellence of

its color, as its name suggests—purity, whiteness. It is the white rose of commerce to-day without a peer.

Bridesmaid is the pink rose which has superseded all others in popularity. We have had others but they have quickly given the place of honor to the 'Maid, of that deep, rich shade of pink so much sought after.

Meteor, up to the present, has held the place of honor of its color. Its rich, velvety crimson always appeals to the customer, but it is lacking in that very essential quality in a rose, fragrance. If we could only produce a fragrant rose with the good points of Meteor we would be loath to give it up, but there is another crimson of which I will speak later that will probably supersede it.

Perle des Jardins is the pure 'golden-yellow rose of the day. This we find declining in popularity through some of the caprices of fashion. It is a grand rose of its color and I think will be more largely grown than previously.

Sunset is a good rose but of a dull shade, not having the brightness of Dorothea. It is a saffron yellow, shading to rosy pink.

Madam Hoste is a good, light-colored yellow, having many good qualities. Its fine, long-pointed buds are always attractive.

Golden Gate is a fine rose, of a peculiar combination of soft pink and creamy white. It has long, pointed buds which are exquisitely sweet. It is a strong grower.

Mrs. Pierpont Morgan is of the Cusin type but of a more pleasing color. It is very popular with the flower buyer and has the advantage of showing to good advantage in artificial light.

Clara Watson is in color a combination of pink and white. It is a good, strong grower and very sweet.

I will now speak of the rose that we have heard so much about and for which many of us have paid a good price for a few plants that we may test its good points and prove some of the assertions that have been made in its favor. I refer to Liberty, that grand crimson rose that has been ushered into the floral world this season. Who will not remember the magnificent vase of Liberty roses that were exhibited in Toronto last March at the first carnation exhibition of the Gardeners' and Florists' Club? Its glowing Jacqueminot crimson and sweet perfume were the attraction of that show. I cannot speak of it from a grower's standpoint, but will give some of the figures given by Mr. Asmus in compari-

son with other varieties in point of productiveness. The test was made with a house of Liberty against Bride, also one of Liberty against Bridesmaid, during the past season. Each house was given equal treatment in all respects. In each of the houses of Liberty there were 800 plants, but in each house of Brides and Bridesmaids 780 plants, or twenty less than the Liberties.

Maid's House No. 11.		Liberty House No. 15.	
November.....	1,288	November.....	3,145
December.....	2,058	December.....	3,179
January.....	1,329	January.....	1,900
February.....	1,425	February.....	1,895
Total cut.....	6,100	Total cut.....	10,119
Brides House No. 12.		Liberty House No. 16.	
November.....	2,307	November.....	5,507
December.....	2,052	December.....	1,707
January.....	1,731	January.....	2,042
February.....	1,445	February.....	2,260
Total cut.....	7,535	Total cut.....	11,516

These figures tell the tale and, better than any guess work, convince the skeptical of the flowering qualities of this rose, as we have here the four most severe months on the blooming qualities of any rose or plant that is treated contrary to the laws of nature. As to the color, I am given to understand that during the winter months it is much brighter than late in the season, and not guilty of producing that beautiful purple tint so often seen in crimson roses. I saw this rose growing at Mr. Asmus' place last March and could only find words of commendation for the appearance of it at that time. It was certainly producing good crops, although it had been very severely cut for propagating the enormous stock that was disseminated this spring. I have also had a letter from an esteemed rosarian, Robert Simpson, of Clifton, N. J., whose opinion I prize very highly. Being as he himself says, prejudiced against it at the beginning, he was gradually won over by its many good points. To use his own words: "I have been to Mr. Asmus' place a good many times to see it (Liberty) during the past two seasons and would say that beginning with a prejudice against it I have been won over completely by its many good qualities. I am naturally very conservative and critical, and when I speak in favor of a new rose you may be sure I have good reasons for doing so."

Now, it remains with us to try and bring out the many good traits we have heard of this grand, new rose. We have not heard of any of its faults. We may know more of them by another season, as it is scarcely possible that all will have the success of those who have pioneered its entry into the floricultural world.

There is another new rose, but I have not been able to learn much of its history or good points. This is Sunrise. It was sent out from England as a sport, I think, from Sunset. In color it is a deep apricot yellow, almost red, very bright in summer and said to be a free bloomer. I have a few plants of this variety but for some reason it will grow a short time and then die off. The plants are grafted and I am not aware of the stock they are worked on, which may influence the growth of the plant, or, more properly speaking, the lack of growth. I hope to be able to report more favorably of this variety later.

Lady Dorothea is of Canadian origin, I think the first that has originated in the Dominion and not the least to be proud of. It is a sport from Sunset, of good habit, a free grower, profuse bloomer, losing some of the bad qualities of its parent, in that it is free from imperfect flowers in mid-winter. The color is

brighter and more beautiful in the four months of dark weather, when most sought after and appreciated. The color is a soft shade of peach pink, deepening to a red at the base of the petals outside and a bright flesh pink inside; a beautiful harmony of color. This rose is becoming very popular and I feel confident it will take a leading place in the list of standard varieties from the excellent reports I have heard from sections of the continent far removed from each other.

These are the only varieties I can speak of at present, as the new varieties are very limited, but judging from the number that are hybridizing there should be no lack of meritorious new varieties in the near future, and I would here sug-



JOHN WALKER.

gest that some of our own Canadian growers, if they can afford the time and patience to await results, experiment in this line.

There may be some who have already commenced that I have not heard of. It does not follow from this that some are not already making the attempt, but I would commend all who have the ability and inclination to try hybridizing the rose. The room occupied will not be great; only a few feet would be necessary and if carefully and thoughtfully worked out, who knows what the results might be and to the successful one the old adage holds good in this as in other attempts, "Nothing succeeds like success."

I feel confident that he who can produce a first-class rose in this country will add a lasting monument to his ability and keep us with roses up to date.

Rhinebeck's Violet Industry.

The fame of the Hudson river violets extends far beyond the great New York markets where they find their main outlet. If it were not for the evanescence of the fragrance which is so indispensable to the sale of the violet the entire country might well look to the Hudson river growers for their supply of this popular flower, for here it seems to find its congenial home and here it is produced in a perfection and luxuriance rarely seen elsewhere.

Prominent among the towns where violet growing has become a leading industry is Rhinebeck. Market returns for their fragrant product appear to have been remunerative, for each year sees a substantial addition to the area of glass in this section and new growers are being constantly added to the long list of violet specialists. The list of new growers added during the present season, and their capacity, is as follows:

D. Marquardt, two houses, each 20x100; capacity, 6,000 plants. Chas. Feroe, one house 20x100; 3,000 plants. Julius Lown, one house 20x130; 3,500 plants. Wm. Weckesser, one house 20x100; 3,000 plants. Traver & Stuart, two houses, 20x150 and 20x100; 7,500 plants. Lewis Rosenkranz, one house 20x100, 3,000 plants. Allen Traver, one house 20x150; 4,500 plants. Frank Asher, one house 21x110; 3,500 plants. Augustus Tremper, two houses, each 20x100; 6,000 plants. Jas. Hainor, one house, 20x150; 4,500 plants. Stanton Rockefeller, who has been running the place belonging to his father, J. C. Rockefeller, has sold out his interest there to his father and has started a new establishment with two houses, each 20x200; capacity 11,200 plants.

The older establishments doing business in Rhinebeck, with their capacity for this season, are as follows: Geo. Saltford, 19,000 plants; Judson Odell, 6,000 plants; John Hermance, 4,000 plants; Edw. Sheak, 5,000 plants; John Brown, 6,000 plants; Robt. Brown, 3,000 plants; John C. Rockefeller, 14,800 plants; P. Tremper, 12,500 plants; Wm. Burger, 8,600 plants; Murton Moore, 3,500 plants; Orison Burger, 12,600 plants; Alvah Coons, 11,500 plants; C. Laurentz, 8,000 plants; Jos. Markel, 10,000 plants; Lewis D. Burger, 3,000 plants.

This indicates that nearly 200,000 violet plants are in training for the coming winter in Rhinebeck alone. Up to date their condition is generally satisfactory. As to prospects in the market the commission men say they are all right if the quality is up to past records.

John Walker.

Hale, hearty, honest John, a man who leaves old friends everywhere in Philadelphia and who will make new ones wherever he goes. A good plantsman, a thorough grower, a wide awake, up-to-date florist of ripe experience, the past twenty years of which have been at the Craig & Son nurseries, most of the time as foreman. Congratulations to the citizens of Youngtown; success to you, John. That your greatest anticipations may be more than realized is the wish of your many friends in Philadelphia. K.

English Plant Notes.

Lemoine's new double Begonia semperflorens varieties include some very distinct improvements, Antonin Daum, bright cerise with a crimson shade, is the best of the dark varieties. Other good sorts are Emile Galle, flesh pink, and Boule de Neige, pure white. These are often grown in too much heat. When exposed to the light and air they make short jointed growths, and foliage of good substance. They are readily propagated from cuttings, but these must be taken before they begin to flower, or, if short cuttings cannot be had, plants may be cut back, for they soon branch out from the base and give good cuttings. To make well furnished flowering plants



ROBERT CRAIG & SON'S SHIRT WAIST BRIGADE.

the blooms should be taken off the main shoots until the side shoots are well advanced.

King of Denmark is a fine salmon zonal pelargonium which has now become an established market plant and is grown extensively. It does not require such liberal treatment as most varieties and when first introduced some growers failed through getting too much growth. I remember seeing one houseful with leaves of enormous size but no bloom, but the same grower now does it well. The best results are obtained by potting firmly in light, sandy compost. I am a great advocate of firm potting. Many plants root and grow rapidly when potted loosely, but good, sturdy, short-jointed growth is only obtained by the other method and there is more vigor at the flowering period. It is owing to not giving sufficient attention to these small details that we see so many failures.

Double tuberous begonias seem now to have reached so near perfection that it may be impossible to go much further. And it is remarkable that seedlings may be raised which keep true to color and equal in point of form of flowers. In looking through a large batch of seedlings raised from a double yellow variety I find that though there is a little variation in color, some being of a deeper shade than others, there is hardly a rogue, or different color, among them. The flowers, too, are all more or less double and some of them may prove better than the parents, for it is not until the second year that we get the finest flowers.

Campanula isophylla Mayii is now well in flower and has been exhibited several times in fine condition. It certainly is a fine variety, being very free, and the soft, pale flowers are produced in great profusion. The white variety is now one of the most prominent plants in the market. I saw a fine batch of Trachelium cœru-

leum in market the other morning, grown in 5-inch pots. The plants were dwarf and bushy and well flowered. The same grower had some good double Zinnia elegans, dwarf, bushy, well-flowered plants. The bright orange-scarlet varieties were particularly attractive.

The double yellow Chrysanthemum segetum is a very useful plant for this season of the year and makes much better plants than when grown to flower early in the season. H.

Robert Craig & Son's Shirt Waist Brigade.

The accompanying illustration is from a photograph of a group of the employes of Robert Craig & Son, Philadelphia, and includes Mr. Craig and his son William, who are members of their own working force. This picture was recently taken as a souvenir for John Walker, who, having been with Mr. Craig for over twenty years, has purchased the Hippard establishment at Youngstown, Ohio, taking possession September 1. K.

Herbaceous Plant Notes.

The steadily increasing demand for hardy border plants has compelled quite a number of florists and dealers to keep a more or less complete stock of these subjects on hand; still only the common, well known species and varieties are usually grown in these places and with this limited material it would rarely be possible to plant a border which was expected to be attractive and furnish bloom throughout the season. Furthermore within the last few years the taste for rockeries and rock gardens is reviving and the inquiries for suitable plants have worried many florists. Scarcely one out of a hundred of us was prepared to furnish the plants for a rockery. There was but little difficulty about the early spring flowering species and such things as arabises, aubretias, cerastiums,

epimediums, stellarias, erysimums, ajugas, alyssums, polemoniums, iberises, the various species of dwarf and creeping phlox, primulas, auriculas, erythroniums, and a few others, together with various bulbous plants, were suggested, without thinking that scarcely one of these would be in flower after the middle of June. Possibly a few campanulas, veronicas or dianthus and a few fall blooming anemones, phloxes and asters were added, but, even with these, the lack of color from July on would be the most conspicuous feature in the rockery.

A few suggestions for later flowering plants may come handy to the many who are interested in this subject, though I do not claim here to say anything new at all. *Silene maritima* fl. pl. keeps up a succession of bloom until fall; the single form does, too, but the double is prettier. The same may be said of *Dicentra eximia* and the somewhat stronger growing and darker colored *D. formosa*. *Silene Schaftæ* is a low, compact growing, free blooming species with rosy pink flowers, doing well in partial, not dense, shade. *Dracocephalum Altaïense* likes sun and produces a long succession of light, purplish blue flowers. *Lychnis semperflorens plenissima* succeeds admirably between the rocks, sending up its flower stems continuously until frost cuts them down.

Hypericum Moserianum is well known to bloom through the summer and fall months. *Statice latifolia*, *S. incana* and *S. Tartarica* retain their beauty for long months. The linums, when cut down after their first blooming, come out with fresh growth which will produce a lasting crop of pretty flowers; the large, golden yellow *L. campanulatum* does not need this treatment. *Myosotis palustris semperflorens* only needs an occasional thinning out to induce it to produce vigorous growth, the ends of which give us the best flowers. *Lychnis vespertina*, fl. pl. may be allowed to

spread or droop over the edge of some larger rocks; it continues until very late fall and is not particular as to situation.

Coronilla varia may be used for the same purpose. *Lychnis fulgens* and *L. Haageana* flower in July and August, are most desirable dwarf plants but require a sheltered, half shady position. *Salvia pratensis*, with its long, semi-procumbent spikes of deep purplish blue flowers, keeps up a succession until fall. *Campanula Garganica*, a very dwarf compact growing plant is literally covered with light blue, white-eyed flowers in July and August. *C. rotundifolia* blooms continuously until late fall, if we take the trouble to remove the older flower stems. *C. punctata* produces its large white bells, beautifully marked on the inside, well into August, although it begins in June. *C. glomerata* and the darker variety, *C. daburica*, are generally good to the end of July and will furnish a second crop later on if the stems are cut down promptly after flowering. *C. urticifolia alba plena* is a most desirable variety of that species for July blooming.

Erodium Manescavi is good early and late in a rather sunny situation. The somewhat dwarfer and more compact *E. macradenium*, with white and violet flowers, will endure partial shade without injury. *Veronica incana* flowers during July and August. The dwarf *Achillea tomentosa aurea* blooms until late fall. *Stokesia cyanea* begins to flower in July on the older plants; young stock comes on later. *Viola cornuta* and *V. perennis* continue in good shape where it is not too dry and sunny. *Heuchera sanguinea* and its varieties only need an occasional removal of old stems to insure a continuous succession of bloom until autumn. *Papaver alpinum* and *P. nudicaule* will do well throughout the season if not in too moist a position. *P. pilosum*, with larger, pale red flowers, blooms in July and August. Several of the armerias flower finely in summer and fall months.

J. B. K.

A New Brunswick Antirrhinum.

The accompanying illustration is that of a new pink antirrhinum originating with C. G. Knott, superintendent of the Public Garden of St. John, N. B. This is a seedling from Queen of the North and is identical with that variety in every particular except color, which, instead of being white, is a rose pink with yellow throat. The plant grows to be from fifteen to eighteen inches in height and is well covered with bloom. It originated in 1897 and Mr. Knott has since been growing it for both summer and winter use. It is not only a splendid bedder but a good pot plant, reaching two feet in height under glass. It is well adapted to florists' uses.

Helpful Reminders.

Now that the demand for quantity has subsided somewhat, the flower is sought for itself rather than to gratify the vanity of the person who seeks to win applause by making a show of extravagance. In spite of the fact that the vulgar wealthy have been an important factor in building up commercial floriculture, we should be prompt to welcome the more recent vogue, where individual perfection of flower and artistic combinations, which do not detract from or destroy the individuality, are in first demand.

As this improved state of affairs develops it will become more and more

apparent that green is the basis for our successful work. The popularity of the Boston fern and the asparagus, so commonly called a fern, is but a key note of what harmonies are to be composed of ferns in the near future. The variety of form, size, texture and coloring is so great as to aid us in all our work. They are easily grown; one has only to become possessed of an earnest desire to grow ferns and good results must follow.

Just now any potted ferns should have all the old, dead roots, of which there are always many after one or more years' growth, pulled out and reset, adding fresh soil and sinking the plant a trifle lower. Be sure that the drainage is good. The soil should be light and porous, particularly where the leaves start from a running, underground stem. You can use considerable manure, well mixed in, provided it is well decomposed. The plants should be carefully cleaned and well watered. A good lot of fronds should be made before winter, as growth



A NEW PINK ANTIRRHINUM.

is quite insignificant during shorter days. The ventilation must be ample.

The atmosphere of a fern house should not be allowed to become so dry as to absorb moisture from the young, delicate fronds. It is also bad to have moisture condense on the fronds on account of their becoming cooler than the atmosphere, which is a common trouble in autumn. Although shading is usually considered necessary only in the hot summer weather, close observation proves that shaded ferns will not become covered with condensed moisture on a clear, cool evening when those under clear glass will do so. It is best, however, to prevent the temperature falling below 60° at any time by making a fire. Avoid continually wet ground, such as is occasioned by drip or leakage, but give the ground under the benches as much water as it will readily absorb; this will prevent the atmosphere from becoming excessively dry at any time. The moist mother earth is really an automatic reservoir, the exclusion of which renders so many costly conservatories with tile floor a failure.

For cutting, ferns are most profitably grown on benches. They should have a

top dressing about every six months. All fronds should be cut and stand in water over night before using. While different individuals may take a particular fancy to one variety or another, an all around florist should not be without an assortment.

C. B. W.

Divergence of Heating Directions.

ED. AM. FLORIST:—I am at all times very much interested in your answers to correspondents, your writers being as a rule thoroughly practical men who can and do help your readers in many ways. Quite a number of our florist friends follow this advice without further consideration. In my travels I am often greeted with such questions as "did you see that article in the AMERICAN FLORIST?", etc. In view of this fact, answers to correspondents should be very carefully considered, and be plain and practical in every detail. In your issue of May 26, on page 1324, I find two questions about heating, one from "D. O. P.," who wishes to know the best way to heat a house 20 or 24x100 feet, part of the house to be used for roses and part for carnations. The answer is based on hot water heating and is as follows: "If the house is to be twenty-four feet wide it will require twelve 2-inch pipes for the roses, and ten for the carnations." The next question, on the same page, is asked by "New York," who wishes to know how best to heat a house 20x50 feet to a temperature of 55° or 60°, the system being hot water as before. The answer is in effect as follows: "It is not best to try to heat a house of this kind with less than three 2-inch pipes for flows and four would give better satisfaction. With four 2-inch pipes, fourteen 1½-inch returns will be necessary, but ten 2-inch returns would give a better circulation unless it is run under pressure." It strikes me that "D. O. P." and "New York" will have quite a hard time deciding what best to do, provided they read both articles. "D. O. P." is advised to put twelve 2-inch pipes in a rose house twenty-four feet wide, while "New York" is advised to put fourteen 2-inch pipes in a house only twenty feet wide, both houses to be heated to about the same temperature. Don't you think some further explanation necessary in this case?

SAMUEL BURNS.

Replying to Mr. Burns' comment on my article on heating a rose house in a previous issue of this paper, all I can say regarding the same is that as "D. O. P." asked for information as to heating his house to a temperature suitable for roses and carnations and the directions I gave him will do that in his section of the country under all ordinary circumstances, with any one of the good makes of boilers now on the market. Had I been giving an estimate for heating a house in Alaska, or even Minnesota, I should have made a totally different estimate of the amount of piping required, but I have always followed the rule of answering every question in view of the individual conditions applicable to itself. It seems to me absurd to advise men hundreds of miles apart to follow identical courses. There can be no rule applicable alike to every section of this country, as regards heating, at any rate, hence the difference in estimate.

JOHN N. MAY.

I quite agree with Mr. Burns that "answers to correspondents should be very carefully considered, and be plain and practical in every detail," and in the answers I have from time to time sup-

plied I have tried to follow that rule. It seems to me that my answer to the question of "New York" is both plain and practical. Mr. Burns points out what he considers a discrepancy between it and the reply of Mr. May to the question of "D. O. P." It certainly seems a little strange that it will require fourteen 2-inch pipes to heat a 20x50-foot rose house when twelve will answer for one that is 24x120 feet.

I see no reason for changing my recommendation of fourteen pipes for the twenty-foot house and should use sixteen in the one that is twenty-four feet wide, under similar conditions. It will be noticed that the radiation is not increased in proportion to the size of the houses, as the fact that the heater stands on a level with the walks in the narrow house makes it especially desirable to have ample radiation. Three or four overhead flows are also recommended for the same reason.

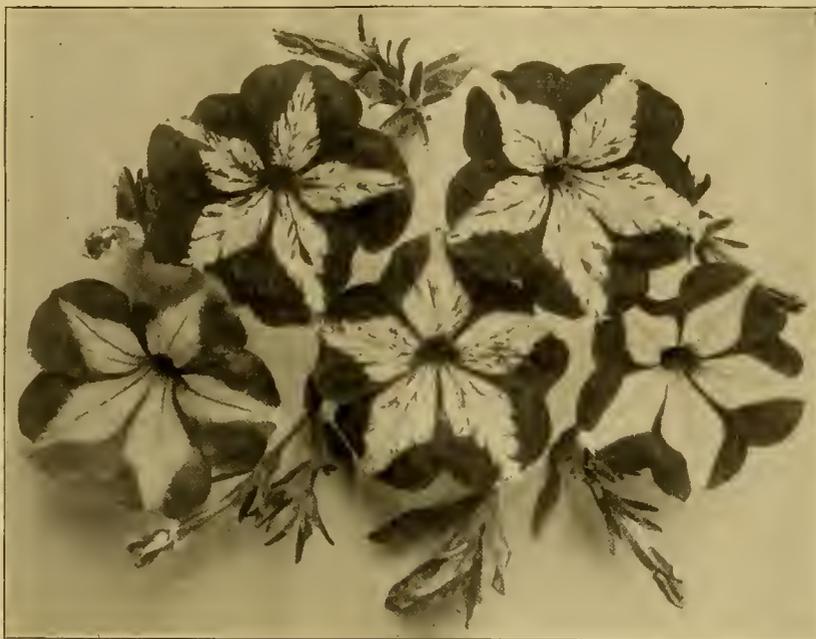
Economical use of hot water for heating purposes can only be secured when ample radiating surface is supplied, and it is always better to recommend a slight excess rather than an insufficient radiation, as the former will prove economical in heating and satisfactory to the owner, while the latter will draw on his pocket-book as well as on his temper. This practice seems to the writer to be especially desirable in cases, like those under consideration, when no data whatever, except the width and length of the houses, is given. Had the writer stated whether one, two or none of the walls were exposed, and if there was exposed wall surface, the height of the walls and the amount of glass if any, they contained, it would have been possible to have made a closer figure. Other data, such as whether one or both ends are exposed, whether the house is new and snugly built or old and with cold walls and roof; whether in an exposed or sheltered location; and what is the usual minimum temperature for which provision must be made, should also be given. The results then will not only be more satisfactory to those immediately concerned, but it will give other readers a better opportunity to compare them with their own conditions.

In explanation of my estimate for the rose house of "New York," I would say that it is my custom in cases similar to his, where only one house is referred to, to consider it as having two five-foot walls without glass, and with one end exposed; to reckon the glass in the roof of a twenty-foot house at twenty-four feet; and to allow one foot of glass or five feet of wall to three feet of radiating surface, basing this on a minimum temperature of 10° below zero.

L. R. TAFT.

A Flower for the Masses.

Down at Belchertown, Mass., there is a man who is working for the common people. He is seeking the improvement of the flowers of the door yard, the verbenas, the zinnia and the petunia. This is A. B. Howard, whose display attracted no little attention in the trade exhibit at the New York convention of the S. A. F., and showed the success which has attended his labors. Many people have grown Mr. Howard's dwarf zinnias and his verbenas but his Star petunia, probably the best of his introductions, is not yet widely known; it received much favorable comment in the New York show. The illustration, from



HOWARD'S STAR PETUNIA.

a photograph, gives a fair idea of the flower, which averages two and one-fourth inches in diameter; the length of the tube is one and one-half inches. The body color is a dark, rich, velvety maroon, which, when held up, so that the light strikes across it at a certain angle, assumes an emerald green sheen, a very peculiar transformation. Starting deep within the throat are the five rays of a star, of a pinkish white in the center, shading to a decided pink at their margin, where they blend into the maroon. Their outline, however, is sharp and decisive.

Paris.

WEATHER SEVERE FOR HORTICULTURAL ACTIVITIES.—RAIN COMES TO AID OF SEED GROWERS.—ANOTHER VERY SUCCESSFUL FLOWER SHOW.—GOOD NEW SORTS OF GLADIOLI AND CANNAS.—OTHER FLORAL EXHIBITS.—THE MATTER OF APPLE PREFERENCES IN FRANCE.

Paris has had intensely hot weather. On one day, July 27, the mercury was up to a little over 100° in the shade, which was the highest mark during the century. It is, therefore, not surprising that all Parisians who could leave the city, and with them your correspondent, ran for a cooler region. My good luck brought me to the seashore in Normandy, a part of France which is famous for its dairy farming and cider mills. There I had the opportunity of chatting with the peasants, who, satisfied as they are with the apple crop, complain bitterly of the lack of grass and are at their wit's end as to how they can feed their cattle in winter. The great heat fortunately lasted but a little over a fortnight, after which the other extreme set in and we experienced about ten days of cool and somewhat wet weather. If the latter interfered to some extent with the harvesting of many things, it proved a boon to the seed growers, whom it enabled to sow beets, carrots, cabbages, etc., for next year's seed crop. But for that we might have faced from the start another poor crop of these biennials. The last few days have again been very hot, parching

everything, but at the time of writing we have a very good shower, which is received with cheers.

Another flower show has just closed at the exposition. In that show the herbaceous plants, such as gladioli and cannas, and the open air fruits were strongly in evidence. Vilmorin continues to lead in the Gladiolus Gandavensis section and secured the first prize for a splendid collection of spikes. Among the most noticeable were Gargantua, of immense size; Gallieni, red; Hebe, rose; Safrano, yellow; Nelusko, violet red; Corsaire, velvety scarlet; Attila, rose shaded with slate; Hercules, brilliant scarlet streaked with orange red; Nuce d'orange, distinct slate color; LaJoconde, soft fleshy white with golden yellow blotch.

Lemoine & Sons, Nancy, had an imposing collection of Gladiolus Lemoinei and G. Nanceianus, which included over twenty-five new varieties not yet introduced to the trade. Some of them, staged under numbers, were of rare beauty. Especially fine among the older Lemoinei hybrids were Jeanne Dieulafoy, Mephistopheles, Lady Howard de Walden, Henri Leveque de Vilmorin, Leon Duval, Ch. de Bosschere, Ferdinand Kegeljan, Alsace-Lorraine, Antoinette Thiry, Edouard Andre, Colonel Klobb, Marechal Fabert and the following purplish or violet-tinted varieties: Armenien, Baron Joseph Hulot, General de Nansouty, Micromegas, Pierre Loti, Tombouctou, Senator Voland, Belle Alliance, Cronstadt, Peterhof, Ethiopie, Charles Rabot, Duc de Massa, Demi-deuil and Le Chat-noir. Lemoine also staged, under the name of hybrids of dracocephalus, a new race of gladiolus raised from crosses between the G. dracocephalus and G. Lemoinei. The leading feature of these hybrids, which are not yet in the trade, are the yellow spots which they bear on a dark ground.

Millet received a third prize for a gladiolus of a fine salmon red, distinct color, which he claims to be a new race, too. Gravereau showed some of his new gladiolus with flowers all around the spike, of which Triomphe de Paris, the original variety, is surely the finest.

Billiard & Barre, Vilmorin, and Dupan-

oup each had an excellent exhibit of cannas. Conspicuous varieties were Jeanne d' Arc, of a distinct creamish white, tinged with light yellow; Aurea, pure yellow; King of the Yellows, pure yellow; Hesperide, orange yellow; Hippolyte Barbereau, magenta red; Thiebaut-Legendre, distinct pinkish color with a yellow margin; Modele, chamois. Billiard & Barre also received a first prize for their new double geranium, Cousine Janie, of a pink color and very dwarf habit. Sallier sent a nice lot of his new perennial phlox, called Liervali, which has very regularly marked white stars on a bright rose ground and is very striking.

Duval, of Versailles, staged some twenty pots of *Asparagus Sprengerii*, which is seldom seen in such perfect specimens. They well deserved the first prize awarded to them. A. Nonin, of Chatillon, had an exquisite collection of *Pelargonium peltatum* crowded with flowers and so varied in color that they attracted all passers-by. Bruneau, Bourg la Reine, exhibited a choice collection of althæas, *Malus microcarpa* and flowering shrubs. Croux & Son, Sceaux, had one of the finest displays, a unique collection of *Hibiscus Syriacus*, all well trained in standard form and most freely flowered. One specimen of *H. Syriacus totus albus* was of immense size and the whole tree one mass of flowers.

There were most attractive groups of decorative foliage plants, staged on a grass groundwork, a very interesting collection of annual climbers and some fine beds of zinnias, of hybrids of *Zinnia Mexicana* and of *Begonia semperflorens*. Worthy of mention were the exhibits of annual and perennial plants from Ferard, Paris, of blooms of *Phlox decussata* and pansies from Wrede, Luneburg; of *Phlox decussata* plants from Millet, and the collection of cut roses from Leveque, Defresne, Boucher, Rothberg, Soupert & Notting, Lecointe, etc. Leveque alone had over 1000 sorts and the number of flowers staged by Soupert & Notting was not far behind.

Open air fruits were also a leading feature of the show. Among the best exhibits were those of Boucher, Bruneau, Croux and Defresne, comprising splendid specimens of peaches, pears, apples, plums, figs, gooseberries, hazelnuts and cherries. The apples shown in the American section continue to be in fine shape, and as many visitors have no idea of the storage system used by the Americans, they wonder how the apples can be kept so well. I had occasion to speak of these apples to a few connoisseurs, who, however, claim that most of the American varieties are somewhat "cottonous" and lack the flavor of our good, home-grown apples. The two American apples which they consider as about the best of the lot are the Esopus and Ben Davis. A fact which does not seem to be known well enough on your side is that red apples are not popular here and are usually considered as a poor and cheap class of fruit. Such apples are never served at formal dinners; the only kind then used is our White Calville, fine specimens of which find ready sale during the winter and early in spring, at from 20 to 40 American cents apiece. If your growers could send us fine white good Calvilles, they would easily find a market here. PARISIAN.

MELROSE, MASS.—The Amateur Gardeners' Society held its fall exhibition on September 3 at the City Hall.

Boston.

ANNUAL PLANT AND FLOWER EXHIBITION. —GREAT INCREASE IN THE NUMBER OF EXHIBITS.—PLANT SECTION IS OVERCROWDED.—MUCH GOOD MATERIAL SHOWN.—LOWER HALL ABLAZE WITH COLOR.—STATE OF THE MARKET.—MANY VISITORS.

The annual plant and flower exhibition is on as these notes are written, and while a detailed account with full list of prizes awarded is not possible, because of lack of time, still a general description can be given. The plants are confined to the upper hall and the cut flowers to the lower. Some idea of the advance made in recent years is possible when we bear in mind that previous to 1890 this show and the annual fruit and vegetable exhibition were all one, and yet the halls were large enough to accommodate everything. Now both halls are badly overcrowded, the plant department especially so, there being enough material in the upper hall to fill four times the available space, if properly arranged. The great lights in decorative, stove and greenhouse plants competing for the various prizes are J. S. Bailey, Wm. Donald, gardener; Mrs. J. L. Gardner, Wm. Thatcher, gardener, and Dr. C. G. Weld, Kenneth Finlayson, gardener. Stately palms, luxuriant ferns, often four to five feet across; superb dracaenas, alocasias, cycads, phryniums, etc., abound, and the groups are creditable in the highest degree to these worthy successors to Harris, Atkinson, Martin and other celebrities of bygone years.

In flowering greenhouse plants J. S. Bailey's *dipladenia* beats Dr. Weld's *allemanda*; in *caladiums* Col. Chas. Pfaff, Geo. Melvin, gardener, wins everything with two beautiful collections; in *lycopsods* and *dracaenas* Dr. Weld has it all his own way, and in ferns J. S. Bailey has no competitors. A table basket by E. J. Mitton is greatly admired.

The display of *crotons* is the best, and, indeed, the first of any account we have seen for years. In the large plants, 8-inch pots or larger, W. H. Lincoln is the only competitor, but in the class for twenty-five plants in 6-inch pots the rivalry is keen, Messrs. Bailey, Mitton and Lincoln competing with groups of beautiful specimens and winning out in the order named. On *Rex* *begonias*, groups of flowering plants, *fuchsias*, *adiantum*s, *nepenthes*, *coniferous trees* and several other classes there is not a single entry—fortunately, for there is no place to put them should they come. A large pan of *Dracæna Goldiana* in Mrs. Gardner's decorative group, in which nine plants are shown, the center specimens being nearly five feet tall, exhibits the good points of this fine plant as they can never be recognized in the single-stemmed specimens usually seen. Oakes Ames received a certificate of merit for *Cyrtopodium Thorntonii*, a cross between *C. superbium* and *C. insigne* *Chantini*, and honorable mention for two seedling *caladiums*.

In the cut flower hall dahlias are seen by the thousands. H. F. Burt, Lothrop & Higgins, W. P. Winsor, J. S. Chase, W. C. Winter and other dahlia enthusiasts are represented by extensive displays in the various classes of show, decorative, fancy, pompon and single. The most noticeable advance is in the cactus varieties, which are seen in much larger proportion than ever before, while the singles seem to have lost popularity very decidedly. The best individual bloom in the varieties of recent introduc-

tion is Mr. Burt's Col. Wilson, a superb claret-crimson cactus. *Gaiety*, a large fancy variety, deep yellow, with pink striping, also in Mr. Burt's collection, is a beauty. *Bowery Girl*, a yellow fancy, carmine, flaked and striped, was entered by both Lothrop & Higgins and J. S. Chase as the best novelty in their displays, and W. P. Winsor staged *Britannia*, a salmon-pink cactus in the same class, but Col. Wilson distanced them all. Much improvement in the arrangement of the dahlia displays might be made. Fewer formal placques and scrolls of short-stemmed blooms and more tall vases of long-stemmed flowers would add greatly to the effect, and it might be added that one or two of the groups were arranged in a manner creditable neither to their owners nor to the committee on arrangements that permitted their erection.

On the tables were the *nasturtiums*, *zinnias*, *marigolds*, garden pinks and extensive collections of hardy herbaceous and native flowers which always make such a display of glowing color. J. W. Clark had a fine stand of *gladioli*, Rea Bros. an extensive collection of named *phloxes* and Schlegel & Fottler a group of cannas. In the zinnias the greatest perfection was shown in Howard's strain of dwarf *Lilliputs*, and his *Star* *petunias* also came in for a large share of attention. W. B. Thomas showed a new *salvia*, dull reddish purple in color, that might, in favorable locations, be effective as a contrast in garden plantations.

Business is quiet, receipts being fortunately light except in the case of asters, which are coming in heavy now and form the main standby of the street florist, who finds the wrinkled little roses that form a large part of the daily shipments, unacceptable to even his patrons. Cooler weather is hoped for to drive the flower buyers home from the seashore and mountains. The naval festivities at Bar Harbor may make a temporary ripple on the demand from that quarter but come rather late to affect the season to any great extent, which has been the duldest on record for this class of trade.

On Saturday, September 1, the nominating committee of the Massachusetts Horticultural Society reported for the coming year a list practically identical throughout with the list serving for the past year. No contest is in sight for any office.

J. McCormick is making extensive improvements to his greenhouses at Edgeworth, Malden.

We have had a goodly number of visitors during the past week. The list included W. R. Smith, Washington, D. C.; Edgar Sanders, Chicago; Misses Newman and Armstrong, of St. Louis; P. J. Donohue, Lenox; Wm. Appleton, Providence, Mr. and Mrs. J. F. Wilcox, of Council Bluffs, Ia., and Commissioner Hopkins of Cleveland parks.

Philadelphia.

VARIOUS MATTERS OF INTEREST IN THE CITY OF BROTHERLY LOVE.—MEETING OF THE CLUB.—ROBERT CRAIG ARGUES FOR A WINTER MEETING OF THE NATIONAL SOCIETY.—CLEARY TELLS WHY NEW YORK WAS SO SUCCESSFUL.—BUILDING NOTES, TRADE CONDITIONS AND OTHER JOTTINGS.

The September meeting of the Florists' Club was but slimly attended, other end-of-the-season attractions, apparently, keeping the boys away. There was one

gentleman elected to membership and several others proposed. The nominations of officers for the ensuing year showed no change, the old board being named throughout. Robt. Craig and Robt. Kift gave a short review of what was accomplished at the convention. Mr. Craig said he hoped soon to see the winter session of the S. A. F. an actuality instead of a possibility. He was sure that an extra meeting during the winter would be very educational, as at that time cut flowers are at their best, as are also the greenhouses where the flowers are grown, and great exhibitions could be held, that would be a revelation to many. Pot plants in flower would also prove very attractive. While the time of year would not find the majority as free to come as in the vacation season of summer, yet the time would be so profitably spent and so productive of good results that it would, if tried, become a permanent feature. He predicted a great exhibition and meeting at Buffalo in 1901.

John P. Cleary, the superintendent of the New York exhibition was present and was called on for a few remarks. He said that the success of the New York convention in its different features was due mainly to the perfect harmony in which everybody worked. As soon as it was known that the convention was coming to New York the club got together and began laying plans for its reception. By January 1 all the committees had been appointed and he said President O'Mara had been most happy in the selection of the men for the various branches of the work. The great point was that they commenced early and kept the work right up to the hour, so that when the delegates arrived there was not a hitch of any kind. He also praised the private gardeners, who did a great deal to make the horticultural part of the exhibition a success.

Mr. Cleary has been looking over the ground at Stoke Pogis Nurseries and is highly pleased with the condition of the stock which he is to sell there October 3. He says the stock of California privet for hedging is the best he ever saw, there being something like 800,000 plants of all sizes, all in the finest condition. This stock alone would guarantee a big sale but there is also a splendid variety of everything required in running a well equipped retail nursery, including shrubbery, evergreens, ornamentals, roses, pæonies, rhododendrons, herbaceous stock, etc. The entire nursery stock is to be sold out and the business discontinued. George C. Watson is distributing the catalogues.

Robert Craig is finishing up the last of five new houses built to replace others torn down. The place is now in perfect order throughout, having been practically rebuilt in the past five years. Everything would now be finished were it not that carpenters had to be taken away to make shipping boxes, the demand for plants being greater than ever before at this season.

Business has been quiet the past week and, while flowers are improving in size and color, the demand is very poor. Prices are about as last week; teas \$2 to \$4 per hundred and Beauties from 50 cents to \$2 per dozen; asters 75 cents to \$1.50 per hundred. Flora Hill carnations are good enough, some of them, to bring \$1.50 per hundred.

Leo Niessen has put in a new ice box which might be more correctly called a cooling room on account of its immense size. Mr. Niessen says he is ready now for a big business, having facilities for

handling an immense amount of stock.

Mr. and Mrs. Alexander Scott returned last Saturday from their European trip. A new rose or two may be looked for in a short time at the home of the Liberty, in Sharon Hill.

Albert Hoag, of 1635 Chestnut street, is erecting a greenhouse in the rear of his store. K.

Chicago.

STATE OF THE MARKET.—LITTLE DOING OUTSIDE OF REGULAR COMMERCIAL CHANNELS.—DEMAND VARIABLE AND SOME ITEMS ACCUMULATE.—PROSPECT FOR AUTUMN.

This has been a very quiet week, at least in so far as events worthy of publication are concerned. Most of the convention party have returned and are busy, making up for lost time, as is the way of business mankind, and almost the only subject for conversation is the handsome treatment accorded the visitors at New York and the success of the Chicago team in the bowling contest. The market has gone along at the regular summer pace, showing some spirit on one day and not a spark of life the next. Monday, Labor day, saw brisk business, particularly in shipping, but Tuesday was dull and Wednesday and Thursday were worse. The expectations are that about week after next things will begin to show that the season is really beginning. Just at the moment there is enough of everything and a little too much of some items. There is no over-supply of roses and the cut is showing gradual improvement as the plants gain strength. Of carnations there are a plenty and there was no surplus until Wednesday when a slight accumulation began. Asters are in unlimited supply. There are comparatively few really first-class ones, however, and such sell quickly and at fair prices, but the bulk of the cut is poor and much of it almost unsalable. Auratums are going well and smilax has become scarce.

The growers are taking advantage of the offers made in the Florists' Club's coal committee's report, published in these columns a few weeks ago, in a manner which shows that co-operative purchase is entirely feasible and which gives considerable encouragement for next year.

G. E. Pieser is at home from New York and is busy telling of the hospitality of the New York Florists' Club. E. E. Pieser is expected home from the east in a few days.

At E. H. Hunt's they are building a new, commodious and much needed ice box. Business is very satisfactory with them.

The first chrysanthemums of the season were sent in by one of Benthey & Co.'s growers. It was the Lady Fitzwygram variety.

Arnold Ringier, of W. W. Barnard & Co., is confined to his couch by rheumatism.

There have been a few visitors this week, among them B. Eschner, a member of the firm of M. Rice & Co., Philadelphia, who says that business in florists' supplies is so brisk that his house must shortly secure additional room, although they moved into a new building less than a year ago. Other visitors were August Swanson and Chas. F. Vogt, St. Paul; Chas. Wiffin, Des Plaines, Ill.; F. H. Millman, Cumberland, Md.; A. Newell, Kansas City.

HAMILTON, O.—Theo. Bock is preparing to build the handsomest store and show house in this section of Ohio.

Indianapolis.

MONTHLY MEETING OF THE STATE FLORISTS' SOCIETY.—MR. HILL TELLS OF THE GOOD THINGS HE SAW AT THE PARIS EXPOSITION.

At the meeting of our state florists' society, on September 4, it was noted with pleasure that the indifference of the members had passed away with the hot weather. The many members present seemed endowed with new vigor. H. W. Rieman suggested a trade show in November. This impressed everybody favorably and Messrs. Bauer, George Wiegand and John Heidenreich were appointed a committee to make an outline and report at next month's meeting. Mr. Huckriede's proposition to furnish a float at the October carnival to be given in this city, found many members unprepared to act but a committee consisting of Messrs. Ed. Bertermann, F. Huckriede and Axel Nelson was appointed to look into the matter and report. After all business had been transacted E. G. Hill, of Richmond, entertained the club by giving a very interesting talk upon his European trip. Mr. Hill expressed surprise at the way many American newspapers criticise the Paris Exposition. While in technical and commercial exhibits Paris may not come up to our own World's Fair, the displays made in fine arts and related lines are certainly exquisite. Mr. Hill noted with pleasure that in the latter line the United States was very much in evidence. He mentioned an instance where a Cincinnati pottery company not only scored many prizes but sold some of their exhibits to the world renowned Berlin museum of fine arts.

About the horticultural part of the Paris show Mr. Hill speaks nothing but praise. One of the most striking displays is in the nursery department, where Mr. Hill was never before so forcibly impressed with the singular beauty of coniferous trees. In the rose display Mr. Hill says that at least 25,000 plants were used. These were in full bloom when he saw them, and it was of great interest to note that our well known varieties of hybrid teas were mainly used. He mentioned Belle Siebrecht, Carnot, Kaiserin, Testout and La France. Two large buildings were erected for flower displays. In these new displays are made every ten or twelve days, and Mr. Hill expressed surprise at the great importance the French florists attach to these shows, but he was assured by prominent florists that their investments were profitable ones.

Among the displays of pot plants, groups of single geraniums exhibited by Nonin and others were very interesting to Mr. Hill. They were arranged in a most admirable way as to color, and how they ever managed to handle the plants and retain the flowers perfectly proved a puzzle. Another exhibit, consisting of cannas in 6-inch pots, with luxuriant foliage and flowers of wonderful size, was also mentioned. In regard to this exhibit Mr. Hill had an interview as to details with Messrs. Billiard & Barre, but even with the aid of an interpreter could not learn the secrets of their success. Two things worthy of special mention to which Mr. Hill calls the attention of American florists are an outdoor yellow rose named Soleil d'Or, for which he says he anticipates as great a popularity as for the Crimson Rambler; and an annual plant grown from seed, bearing the somewhat cumbersome name of Schizanthus Wetsonii. H. J.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—4 times, 5 per cent; 13 times,
10 per cent, 25 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

EASTER, 1901, falls on April 7.

THE Boston fern has become as popu-
lar in England as it is in America.

IT is said that the fiber of Apocynum
venetum, a textile plant found in Asia
Minor, Indo-China and Japan, is supe-
rior to that of flax.

A PERUSAL of the report of the Hail
Association of America shows that Sep-
tember is a month of many losses. There
may be no time to lose.

THE preliminary schedule has been
issued for the first exhibition of the New
Haven Horticultural Society. Robert
Veitch, Jr., 974 Chapel street, is secretary.

THE postoffice department has in-
structed postmasters to accept, as hav-
ing been properly admitted to the parcels
post mails, packages in covers closed by
means of sewing or pasting.

C. W. WARD, of the Cottage Gardens,
Queens, N. Y., makes use of pipe clay in
solution as a temporary shading for car-
nations after planting in the benches.
This material affords the necessary shade
and is very easily removed from the
glass.

That Hide Returned.

There's one thing about Willis N. You
can get mad with him often enough but
never very long at one time. So I've
taken the hide down off the barn door
and send it back herewith, not much the
worse except for a few rusty nail holes
and an occasional freckle from some
mosquitoes and greenheads that came
buzzing around from "heyant" the Dela-
ware. It will be as good as new in a
week or two. Never saw a better piece
of leather! I hope mine will prove as
good when I backslide. "All's well that
ends well." I will "bemoan" no more!
Let others forgive, also.

G. C. WATSON.

The Cost of Ice.

ED. AM. FLORIST:—As we presume the
publishing of the paper read by Mr. H. C.
Geiger, of the Floral Exchange, before
the Philadelphia Florists' Club, on the
construction of a cooling room for roses,
was in the interest of the trade generally,
we wish to correct a statement made in
regard to the consumption of ice in the
plan described as in use near Philadel-
phia. The total consumption of ice for
eight months was about \$120, or about
\$15 per month. As we feel we were in
some way responsible for this error, we

feel obligated to rectify it, that our crafts-
men might not be misled.

MYERS & SAMTMAN.

[In Mr. Geiger's very practical paper
he stated that the cost of ice for this
cooling house was \$2 per week in sum-
mer, \$1 in fall and often none at all in
winter.—ED.]

Greenhouse Building.

New Britain, Conn.—A. Bromley, one
house.

Villa Nova, Pa.—S. T. Bodine, one
house.

Hartford, Conn.—Handicraft School,
house 12x60.

So. Hadley Falls, Mass.—Harry Bates,
one house.

Wellesley, Mass.—Donald Carmichael,
greenhouse and boiler house.

Peabody, Mass.—J. M. Ward & Co.,
one house.

Natick, Mass.—Wm. Glidden, one
house.

Taunton, Mass.—B. F. Connolly, one
house.

Lewellyn Park, N. J.—O. D. Munn, con-
servatory, 19x50.

Philadelphia, Pa.—Colfesh & Note,
five houses 20x100.

Racine, Wis.—A. J. Fidler, house 25x
100.

Richmond, Ind.—Gift Floral Co., house
20x75.

Streator, Ill.—W. C. Hill Floral Co.,
three houses 20x100.

Quincy, Ill.—A. B. Cole, house 20x48.

Heating Capacity of Boiler.

ED. AM. FLORIST:—I wish to know how
many square feet of glass an eight horse-
power upright tubular boiler will heat if
arranged for hot water, the temperature
required being 50° in zero weather?

H. KADEN.

If the boiler is well up to its rating it
should handle about 2,400 square feet of
glass under the conditions named. To
heat a house of this size economically a
boiler should have a grate with a diam-
eter of twenty-five inches. L. R. TAFT.

Size of Hot Water Main.

ED. AM. FLORIST:—How many feet of
4 inch pipe will a 4-inch main care for?
We now have 1100 feet of radiating sur-
face supplied by a 4-inch flow and a
4-inch return. We wish to build another
house and would like to know if it is
necessary to replace the 4-inch main with
one of 5-inches? The main is under ground.
We use hot water and the boiler is able
to carry another house easily. D. B.

While a 4-inch main would carry a lit-
tle more than 1100 feet of radiation,
if the coils are well above the heater and
but a short distance away from it, under
average conditions the best results are
secured when 1,000 feet is the maximum
radiation carried by 4-inch mains. The
size of the new house is not given, but
unless the conditions are unusually
favorable it will be best to increase the
size or number of the mains if the radia-
tion is to be materially increased.

L. R. TAFT.

Watering Roses.

ED. AM. FLORIST:—Is it a good idea to
water roses in benches at 10 a. m. and at
5 p. m. during the summer months?

SUBSCRIBER.

Like people, roses need more drink on

some days than others. There may be
days when roses will need water in the
morning and again in the afternoon, but
it is not advisable to water them or even
to syringe them as late as 5 p. m. Even
on the hottest days, 2 to 3 o'clock is
quite late enough and on cloudy days or
only moderately warm days they will be
better not watered after noon. A damp,
stagnant atmosphere at night means
mildew and many other diseases to which
roses are subject when injudiciously
treated. A liberal amount of good, plain,
practical common sense as to how to keep
oneself healthy is also the best guide for
keeping plants healthy. JOHN N. MAY.

Propagation of Begonia Gloire de Lorraine.

There is really no difficulty in propa-
gating this pretty plant; so easy it is,
indeed, that at present I could show any
one a tidy little plant which is the result
of a small leaf dropping into a pan of
primula, and there taking root without
any attention whatever. Propagation
by leaf is by all means the best, as by
this method much better results can be
got than by any other. Choose a strong,
healthy leaf; any time from November to
January is the best; simply pull it clean
off the stem and lay it, not too deep, in
moderate moist, heated cocoanut fibre;
do not peg the leaf down; this I think is
where many growers fail through damp-
ing. It is not from the leaf, but from the
base of the leaf-stalk that the young
growth starts; lift up occasionally to
prevent roots ramifying too much until
breaks appear. As soon as these are
seen put up in thumb pots, and stand in
a warm house, and shade from strong
sun. At present I could show a large
batch in 5-inch and 6 inch pots, twelve
inches to fifteen inches across, struck at
various times since last November. This
is the practice adopted by an expert with
this plant, and whose success I can vouch
for.—W. Dick in *Gardening World*.

New York.

CUT FLOWER PEOPLE LIVING ON HOPES.—
THINK A REVIVAL OF BUSINESS AT HAND.
—STOCK COMING IN GENERALLY POOR.—
GALA MEETING OF THE CLUB IS PLANNED.

Items of interest are very scarce in this
neighborhood at present. As to business,
there is none and if the swell people per-
sist in making their decorations of hop
vines, golden rod and the like when they
have a summer "function" it will be well
for the flower growers to leave this
element out of their calculations when
making their plans for another season.
Still, we do not forget, in the dispiriting
condition at present prevailing, that it
is already well along in September and,
unless the political questions now upper-
most should seriously disturb the
natural progress of business, we may
look for greatly improved conditions in
the near future. So at present the droop-
ing spirits of the cut flower district in
this city are being sustained by a glori-
ous hope, and the various flower grow-
ing communities in the suburbs are also
subsisting on the same food while they
wait patiently for the time of the
annual tours of inspection, wooing and
solicitous attention by their dear friends,
the commission men.

The stock coming in is, as a rule, poor,
the exception being special American
Beauties, Kaiserins, Testouts and Liber-
ties. Short-stemmed stock has little
value, whether it be roses or carnations,
and much of the material coming in is in

that class. Asters are poor, generally, though some single-stemmed blooms from careful growers are fine and bring creditable prices. Lily of the valley meets with a very uncertain sale and may realize anywhere from \$5 per thousand to \$2 per hundred, according as the wheel of fortune revolves.

The next meeting of the New York Florists' Club, on Monday evening, September 10, promises to be a gala affair. All the sub-committees that did such effective work for the S. A. F. convention will be on hand to present their final reports and be honorably discharged with the credit which they have won so well. The entertainment committee announces that the larder is still well stocked and able to withstand any reasonable attack on its resources. Every member of the organization should be present on this pleasant occasion.

John Scott was married Wednesday afternoon, also W. H. Siebrecht's daughter, at Astoria on Wednesday evening.

Thomas Young, Jr., and Alfred Dimmock arrived from Europe September 1 on the Campania.

John Young's head salesman, H. A. Bergmann, is lying critically ill at home.

OBITUARY.

SIR JOHN B. LAWES.

Sir John B. Lawes, the eminent agricultural experimenter, of Rothamsted, England, died August 31. He was born in 1814 and educated at Eton and Oxford. His work in agriculture has been of much value to horticulturists.

T. C. WENDELL.

T. C. Wendell, of St. Louis, died Saturday, September 1. Mr. Wendell very mysteriously disappeared on August 25 and his whereabouts were unknown until his body was found in a St. Louis hotel where he had registered under a fictitious name. Mr. Wendell had been in the employ of the Plant Seed Company for thirty years, taking service with them upon his arrival from Germany in 1869, where he had an extensive experience in the seed business and in the propagation of florists' plants.

Catalogues and Cut Flower Price Lists Received.

Cooke & McCord, Tarrytown, N. Y., seeds, plants, bulbs, greenhouse supplies; John Peed & Son, West Norwood, London, S. E., Eng., bulbs; D. Landreth & Sons, Philadelphia, Pa., bulbs; T. W. Wood & Sons, Richmond, Va., farm and garden seeds, bulbs, etc.; William Bull, Chelsea, London, Eng., bulbs; E. H. Krelage & Son, Haarlem, Holland, Dutch bulbs; Alfred Woodroffe, Auckland, N. Z., trees and plants; P. J. Berckmans Co., Augusta, Ga., trees and plants; Wm. Elliott & Sons, New York, N. Y., seeds and bulbs; W. W. Thomas, Makanda, Ill., strawberry plants; Pinehurst Nurseries, Pinehurst, N. C., seeds; M. Rice & Co., Philadelphia, Pa., florists' supplies; Henry F. Michell, Philadelphia, Pa., wholesale price list seeds, bulbs, florists' supplies; Albert M. Herr, Lancaster, Pa., pansy plants, fertilizer; E. C. Amling, Chicago, Ill., price list cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers; J. H. H. Boyd, Gage, Tenn., tree and shrub seeds; Fritsch & Becker, Grosstabarz (Thuringia) Germany, tree and shrub seeds; Dailedouze Brothers, Flatbush, N. Y., carnation plants;

Charles D. Ball, Philadelphia, Pa., wholesale price list palms and decorative plants; Plant Seed Co., St. Louis, Mo., wholesale price list seeds and supplies; E. H. Hunt, Chicago, Ill., florists' ribbons; C. C. Pollworth Co., Milwaukee, Wis., carnation plants and wholesale price list cut flowers.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head. Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a young man in florist store or salesman in greenhouse. Can furnish good references. W J V, care American Florist.

SITUATION WANTED—By an experienced rose grower, capable of taking charge; age 30, single. Best of references. M D care American Florist.

SITUATION WANTED—By an experienced grower: will take charge of section (roses preferred), or of entire plant. Best of references. Address C A B, care American Florist.

SITUATION WANTED—As foreman, by a first-class grower of roses and cut flowers and general plantman; single. A first-class place wanted. Best of references. Address GROWER, 249 N. 10th St., Philadelphia, Pa.

SITUATION WANTED—As foreman, by a first-class grower or rosea carnations, 'mums and general stock; married, no children; age 30; 15 years' experience. Best references. Address BEAUTY, care American Florist.

SITUATION WANTED—Gardener, experienced man in all branches, open for all nation October 1; married; refer to Jno. G. Gardner, Villa Nova, Pa., or to G. C. Watson, Seedman, Philadelphia, Pa. Address J C, care Watson's Seed Store, Phila.

SITUATION WANTED—As foreman in a commercial establishment by a practical man of many years' experience; thoroughly understands all modern methods of culture. Well educated, temperate and not afraid of work. Chicago or vicinity preferred. Address X Y Z, care American Florist.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS B. BULL, Bakersfield, Cal.

WANTED—At once, young man to assist in greenhouses; German preferred; \$3. with board and room. E. J. BOLANZ, AKRON, O.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B, care American Florist.

WANTED—Reliable, competent man. Fine roses, 'mums, etc. Also assistant. Address J. T. WILLIAMSON, Lakona Gardens, Memphis, Tenn.

WANTED—Young man with some experience to work in greenhouses, roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address K, care American Florist.

WANTED—Experienced man that understands growing of cut flowers and general greenhouse stock. Want person capable of taking full management of a new business. Give references and wages wanted. Address B. P. WAGNER, Sidney, Ohio.

WANTED—In Ohio, near Cincinnati, a competent, all-around florist; must be a good propagator of roses and carnations and general greenhouse plants; a good place for the right man. Please state lowest wages. Address W C H, care American Florist, Chicago.

FOR SALE—Small water heater reasonable. W. H. FLEISCHER, St. Paul, Minn.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds. Bargain. W. L. WINN, White Hall Ill.

FOR SALE—Extra good second-hand 3-inch pipe at 6c. per foot; also some 4-inch; secure it while it lasts. Address W. H. SALTER, Rochester, N. Y.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only \$500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Second-hand greenhouse boiler; first-class condition; will heat 4500 feet. Cheap if taken at once. S M & B W, 131 and 133 W. Superior St., Chicago.

FOR SALE—An exceptional offer, if taken soon, in good growing town of 18 000, doing a good business. Hot water heat, 400 feet of glass. Best of reasons for selling. Price and terms right. B A B, care American Florist.

Foreman Wanted.

Must be a man of unquestioned ability and character, a successful and up-to-date grower and a hustler, accustomed to handling men on place where palms, ferns, 'mums, azaleas, bulbs of all kinds, bedding stock and everything used on commercial retail place is grown. Good place for the right man. Best of references required. In answering this please state where last employed. Ad. Retailer, care Am. Florist, Chicago.

FOR SALE OR RENT

Greenhouse, 5000 feet of glass, steam heating, Market Garden Ten Acres, six-room Dwelling, Barn, etc., adjoining thriving town of 3000, on St. Joe and Grand Island Ry.

H. SCHMALZL, Marysville, Kans.

FOR SALE With 10 Year Lease, One of the best places in Chicago.

This is a rare opportunity; if you have some cash, talk it over with me.

T. J. CORBREY, 1409-1411 W. Madison St., CHICAGO.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES, 846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE, The McKellar Floral Establishm't AT CHILlicothe, OHIO.

Consisting of 1.16 acres land, located inside the city limits, on which are located thirteen greenhouses, all in first-class condition and well stocked with roses, carnations, palms, and general line of potted plants of all kinds. Natural gas fuel, steam heating apparatus throughout; four acres additional adjoining property if more required; divided to suit. Business established over forty years. This is the best floral establishment in southern Ohio. Population of Chillicothe 15,000. For further particulars address

SILAS F. GARRETT, Executor Chillicothe, Ohio, or CHAS. W. MCKELLAR, 47 Wabash Ave., Chicago.

For Sale.

Oakland, Cal.; an elegant piece of property, 160 feet front by 145 feet deep. Ten minutes' ride from the center of the city. Three large greenhouses, each 116 ft. by 25 ft., well stocked. Elegant cottage of 7 rooms. Gas fixtures and all conveniences. Owner compelled by circumstances to go to Alaska gold fields and must sell quickly. Cost \$7,000. Will sell at great reduction. Write for price.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH, P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St. NEW YORK.

IT IS GOOD BUSINESS POLICY TO MENTION THE AMERICAN FLORIST WHEN YOU WRITE TO AN ADVERTISER.

Manchester-by-the Sea, Mass.

The first annual show of the North Shore Horticultural Society was held at the town hall on Tuesday, August 28, and was an unqualified success. W. F. Spry, H. Thiemann, gardener to Senator McMillan; Jos. Clarke, gardener to H. L. Higginson; T. W. Head, gardener to J. L. Thorndike; W. Griffin, gardener to R. C. Winthrop; J. Macgregor, gardener to Miss Thayer; H. Katen, W. B. Walker, H. Clark and others, contributed largely of plants, flowers, etc. The judges were Messrs. Gordon, of Beverly Cove; Simpkins, of Peabody, and Finlayson, of Pride's Crossing.

NEW CASTLE, IND.—The South Park Floral Company has just completed a propagation house 21x115.

Wholesale Flower Markets

CINCINNATI, Sept. 6.

Roses, Beauty	4.00@15.00
" Bride	2.00@ 3.00
" Bridesmaid	2.00@ 3.00
" Meteor	2.00@ 4.00
" Perle	2.00@ 2.00
Carnations	.75@ 1.00
" fancy	1.50
Tuberose	2.00@ 3.00
Asters	.75@ 1.50
Lilies—Album and Rubrum	4.00@ 5.00
Lily of the valley	4.00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Asparagus	50.00

St. Louis, Sept. 6.

Roses, Bride, Bridemaid	2.00@ 4.00
" Beauty, 10 to 15 inch stems	4.00@ 6.00
" Perle	2.00@ 3.00
" Meteor	2.00@ 4.00
" Kaiserin	3.00@ 5.00
Carnations, common	.75@ 1.00
Smilax	12.50
Adiantum	.60@ 1.00
Tuberose	3.00@ 4.00
Asters	1.00@ 3.00

MILWAUKEE, Sept. 6.

Roses, Beauty, long, per doz.	2.00@ 3.00
" " med	.75@ 1.50
" Bride, Bridemaid	3.00@ 4.00
" Meteor	4.00@ 6.00
" Kaiserin	4.00@ 6.00
" Golden Gate	4.00
Carnations, ordinary	1.00
" fancy	2.00
Auratum lilies	15.00
Adiantum	.75@ 1.00
Common ferns	.25
Asters	.50@ 1.00
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

Pittsburg, Sept. 6.

Roses, Beauty, fancy	20.00@25.00
" " extra	10.00@15.00
" " No. 1	5.00@ 8.00
" " culls	2.00@ 4.00
" Bride, Bridemaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Gladiol.	1.00@ 3.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00
" Sprengerii	.25@ .35
Dagger ferns	per 1000, 2.00
Asters	.50@ 2.00

DENVER, Sept. 5.

Roses, Beauty, select	12.50@20.00
" " ordinary	4.00@ 8.00
" Bride, Bridemaid	3.00@ 4.00
" Meteor	4.00@ 5.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 2.50
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Sweet peas	.20@ .30
Asters	1.00@ 2.00
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Ferns	.30

Now Prepared to supply
CALDWELL'S Wild Smilax

In any quantity, on short notice.

Roses, Carnations, Asters, Etc.,

As good as the market affords.

Call on us for what you may need.

FANCY FERNS, \$1 per 1000.

J. B. DEAMUD,
51 Wabash Ave., CHICAGO.

Everything in the

CUT FLOWER

line.

and a

complete line of

WIRE WORK,

the kind that will give satisfaction.

FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,

P. O. Box 103.

Milwaukee, Wis.

When writing mention the American Florist.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

Please Mention American Florist.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS PITTSBURG,
Liberty Street, IN PA.
SEASON.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD, 42 WEST 28TH STREET, NEW YORK.

Galax Leaves.

J. L. BANNER & CO.,

..... MONTEZUMA, N. C.

Southern Wild Smilax.

NEW CROP NOW READY.

Caldwell The Woodsman Co. Inc.

Also J. B. DEAMUD, CHICAGO, ILL.,
L. J. KRESHOVER, New York, N. Y.,
M. RICE & CO., Philadelphia, Pa.,
THE VAIL SEED CO., Indianapolis, Ind.

Bronze Galax Leaves

\$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.

AMERICAN ROSE CO., Washington, D. C.

I PAY EXPRESS or POSTAGE on my

Bronze Galax Leaves

anywhere in U. S. for \$1.50 per 1000. IMMEDIATE DELIVERY. Write for particulars.

LILLIAN ALLEN DEXTER, Washington, D. C.

AMERICAN BEAUTIES

We are offering the best Beauties on the market, all lengths of stem, in large quantities. While other good roses are scarce, these can be used economically and satisfactorily in funeral work and for many other purposes. Send for our price-list, issued every Saturday.

30 inches	per dozen,	\$2.50
24 inches	"	2.00
20 inches	"	1.50
15 inches	"	1.25
12 inches	"	1.00
8 inches	"	.75

ALL OTHER STOCK AT LOWEST MARKET RATES.

E. C. AMLING,

Wholesale Cut Flowers,

32-34-36 Randolph Street, CHICAGO.

Please mention the American Florist when writing.

McKELLAR & WINTERSON

45-47-49 Wabash Ave.

.....CHICAGO

Just Received:

A fine lot of Calla Lily Bulbs.
 Select, 1 1/4 to 1 3/4-in. diam., per 100, \$5.00
 " 1 1/2 to 1 3/4 " " " 7.00
 " 2 to 2 1/2 " " " 9.00

FRENCH BULBS ALL KINDS
 DUTCH BULBS ALL KINDS

A full line of all Florists' Supplies.

Please mention the American Florist when writing.

CUT FLOWER PRICE LIST.

Beauties, long	Per 100	\$20.00 to \$25.00
" medium		10.00 to 15.00
" short		6.00 to 8.00
Brides, Maids		3.00 to 5.00
Perles and Meteors		3.10 to 5.00
Carnations		1.00 to 1.50
Asters, good		.50 to 1.00
" fancy		1.00 to 1.50
Gladioli		2.00 to 3.00
Valley		3.00 to 5.00
Lilies		8.00 to 10.00
Ivy Leaves		.40
Adiantum		.50 to 1.00
Common Ferns	per 1000,	\$1.00
Smilax	per doz.,	\$1.00 to 1.50
Asparagus	"	5.00 to 6.00

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCH

We are large Growers and Shippers of CUT FLOWERS ALL THE NEW VARIETIES. YOUR BUSINESS SOLICITED. 59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

Galax Leaves at Wholesale

ORDERS FILLED PROMPTLY. CORRESPONDENCE SOLICITED.

...J. G. LOVEN...

Montezuma, N. C.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, Sept. 7.

Roses, Beauty, extra long stems	3.00
" " 30 inch	2.50
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.25
" " 12 " "	1.00
" " 8 " "	.75
" Bride, Bridesmaid	2.00@ 4.00
" Perle	2.00@ 4.00
" Meteor	2.00@ 4.00
" La France	2.00@ 4.00
" Golden Gate	4.00@ 6.00
" Liberty	4.00@ 6.00
Carnations	.75
" fancy	1.00
Lily of the valley	3.00@ 5.00
Adiantum	.75
Common ferns	.15
Smilax	8.00@12.00
Asparagus	50.00
Ivy leaves, per 100	.40
Tuheroses	..... per dozen .50



64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty, Carnations, Blooms and Cuttings.

51 Wabash Ave., CHICAGO, ILL.

Wanted at Once

"FLORISTS" to send to us for their supply of Cut Flowers. Most careful attention given to shipping orders. Order what you want—we have it. Cutting 2,000 Beauties daily.

GEO. REINBERG, 51 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash- ington St., Chicago.

Write for special quotations on large orders.

WHOLESALE DEALER IN GROWER OF ROSES. CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. OHIOGAO.

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
 AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.
WELCH BROS., PROPRIETORS.
 NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2.00 per
 Script Letters, \$4.00 per 100.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

FLORISTS ♦♦♦♦♦
 IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Geo. A. Sutherland, Boston Flowers.
WHOLESALE DEPOT FOR
All Florists' Supplies,
 67 BROMFIELD ST.,
BOSTON, MASS.
 Price lists mailed.

Wholesale Florists, JOBBERS IN
 Always on hand:
CARNATIONS, BRIDESMAIDS, BRIDES.
FLORISTS' SUPPLIES
FLORISTS' VASES.
 Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

The American Florist Company's
DIRECTORY
 Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price \$2.00.
AMERICAN FLORIST CO.,
 324 Dearborn Street, Chicago, U. S. A.

Circulation
 which
Circulates
 The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Wholesale Flower Markets

PHILADELPHIA, Sept. 5.

Roses, Tea.....	1.00@ 2.00
" extra.....	3.00@ 4.00
Beauty, extra.....	15.00@20.00
" firsts.....	8.00@12.00
Carnations.....	.50@ .75
fancy.....	1.00@ 1.50
Lily of the valley.....	3.00
Gladiolus.....	3.00
Tuberose.....	2.00
Asters.....	.25@ 1.00
Asparagus.....	.25.00@35.00
Smilax.....	10.00@15.00
Adiantum.....	.50@ 1.00

BOSTON, Sept. 5.

Roses, Beauty, extra.....	15.00@20.00
" medium.....	4.00@ 6.00
" culls.....	1.00@ 2.00
Bride, Bridesmaid, Meteor.....	.50@ 3.00
" extra.....	3.00@ 5.00
Kaiserin, Carnot.....	2.00@ 6.00
Carnations.....	.50@ 1.00
Lily of the valley.....	2.00@ 4.00
Asters.....	.25@ .75
Gladioli.....	2.00@ 4.00
Adiantum.....	.50@ 1.00
Smilax.....	8.00@10.00
Asparagus.....	50.00
Hardy ferns.....	.20

Woodroffe & Bernheimer,
Wholesale Florists
 1604 LUDLOW STREET,
 'Phone 1-42-69-A. **PHILADELPHIA**
 Consignments Solicited.

LEO. NIESSEN,
Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
PHILADELPHIA, PA.
 LONG DISTANCE 'PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
WHOLESALE FLORIST,
 32 South 17th Street, **PHILADELPHIA, PA.**
 Long Distance 'Phone 1-41-28 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
Wholesale Florist,
 27 S. 11th St., Telephone 63-64, **PHILADELPHIA.**
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG...
 Largest Grower of... in the West. **Cut Flowers**
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON,
Wholesale Florist,
 5515 Fifth Ave, **PITTSBURG, PA.**
 LONG DISTANCE 'PHONE 2985.
 Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati
Cut Flower Co.,
 416 Walnut St., **WHOLESALE FLORISTS.**
 CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders.

GIVE US A TRIAL! WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,
Wholesale Florist,
 1122 PINE STREET,
ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING
Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

J. M. COHEN, Florist,
 Telephone 2385.
 CONSIGNMENTS SOLICITED. **22 Chapman Place, BOSTON, MASS.**

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

THOMAS YOUNG, Jr.
Wholesale Florist,

New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

Crowe & Co. Special Prize Maids.

Superb Roses, Leading Varieties. Choice Carnations and Rare Novelties.
Summer Shipping a Specialty.

TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Special attention given to Shipping Orders.
57 W. 28th. St., NEW YORK CITY.
Telephone 2200 Madison Square.

CONSIGNMENTS SOLICITED.

**JOHN YOUNG,
ROSES, CARNATIONS, VALLEY**

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.

Price list on application.

Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets & Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

... 30 West 29th Street.

New Telephone No. 551 Madison Square.

Please Mention the American Florist.

**FRANK MILLANG,
CUT FLOWERS,**

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange, NEW YORK.

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St.,
NEW YORK CITY.

TELEPHONE 733-18th.

Lowest Stock Shipped on a Commission.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Sept. 5.

Roses, Beauty, select	12.00@20.00
" " medium	4.10@ 6.00
" " culls	.50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
" " select	3.00@ 4.00
Carnations	.50@ 1.00
Lily of the valley	1.50@ 2.00
Harrisii	2.00@ 4.00
Cattleyas	20.00@33.00
Gladioli	.50@ 1.50
Asters	.10@ .50
Smilax	8.00@10.00
Asparagus	25.00@35.00
" Sprengeri, per doz. bun.	.75@ 1.00
Adiantum	.25@ .50

BUFFALO, Sept. 6.

Roses, Beauty	10.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin	6.00
Carnations	1.00@ 1.25
Lily of the valley	3.00@ 4.00
Auratum lilies	19.00@12.50
Roseum	4.10
Gladioli	2.00@ 3.00
Asters	.50@ 1.50
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

Please mention the American Florist when writing.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,

New Telephone No. 902 Madison Sq. Wholesale Florist.

39 W. 28th St., NEW YORK.

ROSES SHIPPED to all points. Price List on Application

Ford Bros...

Wholesale Florist

111 West 30th Street, NEW YORK.

Consignments Solicited. Phone. 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

ROSES. CARNATIONS. VALLEY.

CHOICE SUMMER STOCK.

TELEPHONE 280 MADISON SQUARE

S. J. LIMPRECTH,

Wholesale Commission Florist and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street, NEW YORK.

Telephone 1433 Madison Square. Consignments Solicited.

Do not forget to say "saw your ad. in the AMERICAN FLORIST" when corresponding with advertisers

J. K. ALLEN'S

**POPULAR WHOLESALE
CUT FLOWER HOUSE**

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities. * * *

Telephone 197 Madison Square.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421
Madison Square,NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

WM. F. DREER and Mrs. Dreer are in Europe on a holiday trip.

AMERICAN grown seed of scarce varieties of turnips is being rapidly picked up.

THE Paris letter elsewhere in this issue contains much information of interest to seedsmen.

VISITED CHICAGO: Luther Burbank, Santa Rosa, Cal.; Edw. L. Coy, West Hebron, N. Y.

GEORGE CLARK, of the Henry A. Dreer firm, has been abroad some weeks on a business journey.

HOWARD M. EARL, of W. Atlee Burpee & Co., is traveling as far west as Ohio, looking after seed crops.

ROCKY FORD melons are selling on the Chicago market for nearly double the prices of other cantaloupes.

WM. HENRY MAULE will make a visit to the Nebraska and other western seed growing districts next week.

ERNST MUELLER, proprietor of the firm of J. C. Schmidt, Erfurt, Germany, died August 24, of peritonitis. His age was 44 years.

AUGUST RHOTERT and Mrs. Rhotert returned on the S. S. Columbia, arriving on August 31, in good health after a two months' visit to Europe.

THE exact outcome of the pea and bean crops is now anxiously awaited by the trade. Few will be satisfied until the stock is actually cleaned up and "on the loft."

EUGENE SCHAEFFEL will not make his accustomed American trip this year, representing Vilmorin-Andrieux & Co., of Paris, his assistant, Mr. Emrich, coming in his stead.

ROLAND W. GARDNER, of the Gardner Plant and Seed Co., Freeport, Ill., has been adjudged mentally deranged and taken to the Elgin Insane Hospital for treatment. The case is a particularly sad one.

NEBRASKA growers report recent unfavorable conditions of the vine crop—hot weather and the vine louse have caused premature ripening of both melons and cucumbers. The liberal acreage planted this year will help out considerably in case of a short crop and some surplus was carried over.

RECENT American visitors to the Paris Exposition were Wm. Rennie, Toronto; W. A. Bruce, Hamilton, Ont.; Wm. Wood and H. C. Warren, Richmond, Va.; James Farquhar, Boston; Arthur M. Kirby, of Peter Henderson & Co., New York; David McClelland and Miss Nellie L. Cash, of W. Atlee Burpee & Co., Philadelphia.

St. Louis.

TRADE SHOWS DECIDED IMPROVEMENT.—NO SURPLUS IN ANY LINE.—REGRET OF THE BOWLERS.—NEW GLASS GOING UP.—VARIOUS NOTES.

Wholesalers this week report that trade has improved. Receipts are not making surpluses, as has been the case during the last month, and orders are

coming in very satisfactorily. More society people are returning home each week and funerals, of which there have been a large number of late, help to boost trade. Asters are not so good as they have been and the demand for them is decreasing. Very fine Kaisersins are seen among the retailers, but Beauties are seldom in evidence.

It is a matter of regret that St. Louis could not get a bowling team together at the convention, but they will do better at Buffalo next year. It was expected John Kunz would go along, but he changed his mind and with Mr. Beneke and a couple other bowlers at home there was not enough material in New York to make up a scrub team.

J. W. Dunford, of Central, Mo., is building several new houses. He is adding about seven thousand feet of glass to the range, under which chrysanthemums, principally, will be grown. Mr. Dunford bought the ventilating apparatus, glass, etc., from Jordan's old place and also a lot from Mr. Guy, of Kimmswick, Mo.

Shaw's Garden was open to the public Sunday, September 2, and about 15,000 visitors passed through the gates, despite the fact of a few hard showers. The Garden will not be open again on Sunday until June, 1901.

A call made at Eugene Michell's place on Maryland avenue found all hands in the midst of the busiest Sunday since late spring. This was the case also with others out in that section of the city.

Chas. Kuehn and two of the Young brothers returned Saturday from the

convention. Mr. Weber and others of the party were expected back Tuesday or Wednesday.

ORION, MICH.—Dungey & Son are adding a greenhouse which will very nearly double their facilities.

STOUX CITY, IA.—J. C. Rennison is adding two houses to his range, one for violets and one 23x200 for carnations.

KANKAKEE, ILL.—Chas. Schafer, who is going into carnation growing here, has purchased an eighty horse-power boiler from the Waldron paper mill.

RACINE, WIS.—A. J. Fidler, who last fall succeeded to the business of Fidler & Sheldon, built one house at the time and is now planning the erection of a structure 25x100. He reports prospects bright.

GRAND RAPIDS, MICH.—Hills & Poehleman, doing business as the Grand Rapids Violet Company, have erected five houses 20x100 for violets and are planning to erect ten more next spring, for roses and carnations.

LANCASTER, MASS.—It is reported that Elizabeth Babcock, who has been sued by John O'Brien for defamation of character has filed an answer, stating that she is a resident of New York, thus evading a snit in Massachusetts. The case grows out of assertions said to have been made by the defendant in reference to the disposition of some plants entrusted to the care of Mr. O'Brien.

FRESH ENGLISH MILLTRACK MUSHROOM SPAWN.

Our celebrated English Milltrack brand is made by the best maker in England specially for our trade; per brick (1 1/4 pounds) 15c; by mail, 25c; 10 lbs., \$1.25; 25 lbs., \$2.00; 100 lbs., \$6.00; per 1000 lbs., \$55.00, (250 lbs. at the 1000 lb. rate).

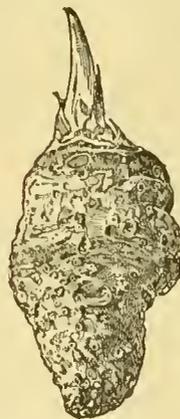
Fresh Smilax Seed per ounce, 20c; per lb., \$2.25; per 5 lbs., \$2.00 per lb. Allen's Defiance Mignonette, per 1/4 ounce, 20c; per ounce, 75c. Johnson & Stokes' Kingly Pansy, trade pkt., 50c; 1/4 ounce, \$1.25; per ounce, \$5.00. Freesia Relucta Alba, first size, 40c per 100, \$3.00 per 1000; selected, 60c per 100, \$5.00 per 1000. White Roman Hyacinths and Paper White Narcissus now ready for delivery; write us for prices.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.



CALIFORNIA

Calla Bulbs

Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

FIRST SIZE, 1 1/4 to 1 1/2-in. diam., doz. 75c; 100 \$5.00.

SELECT, 1 1/4 to 1 3/4-in. diam., doz. \$1.25; 100 \$7.00.

EXTRA SELECT, 2 to 2 1/4-in. diam., doz. \$1.50; 100 \$9.00.

EARLY DELIVERY means much. Getting these bulbs when you want them is everything. Late surpluses at half price are not bargains.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

FREQUENT IMPORTATIONS OF BEST GRADE OF

English Mushroom Spawn

J. J. STYER, Concordville, Pa.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY
ROMAN HYACINTHS
DUTCH HYACINTHS
NARCISSUS TULIPS
Etc., Etc., Etc.

Wholesale Bulb Catalogue Mailed on Application.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

MIGNONETTE.

Allen's Defiance, seed from selected spikes, 25c per pkt., \$1.00 per ounce.

J. C. SCHMIDT, BRISTOL, PA.

Herr's == Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment. Plants only, and ready October 1st to January 1st. FREE BY MAIL, 75c per 100, 250 for \$1.50; 500 for \$2.50. By Express at Your Expense, \$4 per 1000.

ALBERT M. HERR
LANCASTER, PA.

ROEMER'S SUPERB PRIZE Pansies.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of the Finest Pansies.

ROBT. CRAIG & SON Roses, Palms

and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA PA.

BOSTON FERN ... A ... SPECIALTY.
L. H. FOSTER, 45 King St., Dorchester, Mass.

Meteors and Perles.

We are in a position to make particularly good use of regular consignments of these Roses, and invite correspondence or a personal visit from growers who are looking for a good market.

E. C. Amling,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT-FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph St.

.....CHICAGO.

Can We Sell You for that Late House
1000 Beauty Plants, 3-in. Pots?

JOHN BURTON, WYNDMOOR, PHILADELPHIA, PA.

ZIRNGIEBEL'S GIANT PANSY PLANTS

NOW READY.

GIANT MARKET.....\$ 5.00 per 1000
GIANT FANCY.....\$10.00 per 1000
Also seed of the above strains, in trade packets, at \$1 each. **DENYS ZIRNGIEBEL**, Needham, Mass.

SPECIALTIES

IN BEST
....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list. **WOOD BROTHERS, FISHKILL, N. Y.**

Strong Field-Grown Carnations

MELBA, G. H. CRANE,
MRS. F. JOOST, AMERICA, }\$5.00 Per 100
WHITE CLOUD,
5,000 Mixed Geraniums,.....2¼ in. \$ 1.50
2,000 Named Geraniums.....2¼ " .. 2.00
5,000 Chinese Primroses, white, red,
pink and blue.....2¼ " .. 2.00
2,000 Begonias, mixed.....2¼ " .. 1.50
1,000 Red Vernon.....2¼ " .. 1.50
1,000 Erfordi.....2¼ " .. 1.50
1,000 Asparagus Sprengerii.....3 " .. 6.00
500 Nice Rex Begonias, mixed.....4 " .. 10.00
Calla Bulbs.....1½ " .. 7.00
Mixed Ferns, strong plants.....4 " .. 10.00
Pansy Seed, Giant and Fancy mixed, per oz. 4.00

The Morris Floral Co.,
MORRIS, ILL.

"Indispensable"

This is the only word which describes the American Florist Company's Trade Directory. This book, 387 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically; and new lists of Gardeners or Superintendents of private estates, Experiment Station Horticulturists, Landscape Architects and Horticultural Supply Concerns. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

EDITION OF 1900,
POSTPAID, \$2.00

AMERICAN FLORIST CO.,

324 Dearborn St.,
CHICAGO, ILL.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

MICHIGAN with her peaches and Missouri with her apples are in a fair way to break crop records this year.

MEMBERS of the Western Association of Wholesale Nurserymen assert without dissent that stock is looking better than at any time for years.

THE Northern Pacific Railroad Company last spring planted 530,000 trees along its right of way in North Dakota and is planning to plant 300,000 in 1901. The work is under the direction of Oscar H. Will, of Bismarck, who claims it to be the largest contract for tree planting on record.

Louisville.

PERSONAL JOTTINGS FROM THE KENTUCKY METROPOLIS.—WHAT THE GROWERS AND RETAILERS DO AND SAY.

Wm. Walker was the only Louisville representative at the convention at New York. He came home very enthusiastic and said he thought it was the greatest convention ever held. He was much pleased with the exhibits and the way the New York florists entertained. He says kentias were wholesaling in New York for what our florists ask at retail.

Chas. Raynor, of the Anchorage Rose Co., has been suffering severely with rheumatism this summer. Mr. Raynor grows all his roses in solid beds and ties them down in August so as to get them to send out new growth.

Victor Mathis has returned from Europe, where he visited his old home at Alsace and also the Paris Exposition. He is planting his carnations in the houses and complains of stem rot.

C. H. Kunzman has returned from Chicago. He says he is sorry he did not put Garland's iron gutters in his new carnation houses, after seeing them at Reinberg's and Wietors'.

Nanz & Neuner and Chas. W. Reimers have fine prospects for American Beauties this winter. They are practically the only ones who grow Beauties in this locality.

Jacob Schultz has about completed his new greenhouses. He did not attend the convention this year on account of wishing to oversee the building.

Geo. Schultz is cutting some good Brides and Bridesmaids. His violets are looking fine; he generally brings in a nice lot for Christmas.

Chas. W. Reimers was successful in growing a fine lot of asters this season, to single stems for cut flowers. They found ready sale.

F. Walker & Co. are building a propagating house 18x80 and a house for chrysanthemums, 20x80.

Edw. Morat is about to discontinue the florist business. H. G. W.

Syracuse, N. Y.

STATE FAIR HAS PROMINENT HORTICULTURAL FEATURES—REMARKABLE EXTENT AND QUALITY OF EXHIBITS.

The floral and fruit exhibits at the New York State Fair, just closed, far exceeded those of previous years. To give an idea of the great extent of these departments it may be said that over 12,000 plates of fruit were exhibited and 7,500 jars of cut flowers, to say nothing

of the many groups of exotics, ferns and flowering plants. To S. D. Willard, of Geneva, commissioner in charge, too high a tribute could not be paid for his untiring zeal and energy in bringing this department to such a successful issue.

The genial Thomas Enright, of Ellwanger & Barry, Rochester, N. Y., was on hand as usual with their famous specimens of pears and other fruits, their exhibits totaling 600 plates. Their general collection consisted of 150 varieties of pears, seventy-five varieties of apples, seventy-five varieties of grapes and seventy-five of plums. Fifty-eight first prizes were awarded this firm.

The Western New York Horticultural Society was first with 1300 plates of excellent examples, nicely arranged, the

eastern society taking second prize with 600 plates. The Geneva Experimental Station also showed a most noteworthy collection of apples and plums, finely finished examples arranged splendidly by the veteran, Leyden.

In the flower department the amateurs showed up amazingly, in many instances rivalling the florists and professional gardeners, especially with asters and dahlias. A fine group of ferns was staged by Quinlan, most prominent among this collection being *Cymbidium regale*, *Nephrolepis Washingtoniensis*, *Pteris Wimsettii* and *Lomaria gibba*. His collection of cockscombs was also fine. A floral fire engine by W. H. Workman, of Oswego, attracted much attention.

BARD.

PUBLIC SALE OF NURSERY STOCK

In order to settle an estate and close up the business, a Public Sale of the entire Nursery Stock of

THE STOKE POGIS NURSERIES

To be held on the grounds at Stoke Pogis, near Villa Nova, Montgomery Co., Penn.,

WEDNESDAY, OCTOBER 3rd, 1900.

The stock includes Hardy Evergreen and Ornamental Trees, Herbaceous Plants, Hedge Plants and Shrubbery, Foreign Grape Vines, Small Fruits, California Privet for Hedging, and a general line of select stock, all in first-class condition, clean, well-grown and healthy. Inspection before the sale freely invited. Catalogue and all information from

GEO. C. WATSON, Agent, Juniper and Walnut Sts., Philadelphia

JOHN P. CLEARY, Auctioneer.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns;
Otaksa, Red Branched, Thos. Hogg,
PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.
Our representative, MR. I. AUS 'IN SHAW is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., New York, New York

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), Pa.

Send to THE MOON Company
For Your { Trees, Shrubs, Vines,
and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE W. M. H. MOON CO.,
Morrisville, Pa.

SEND FOR TRADE LIST, NOW READY, OF

Tree and Shrub Seeds,
Tree Seedlings, Etc.

J. H. H. BOYD, Gage, Sequatchie Co., Tenn.

Collected Seedlings.

Am. Linden, Am. Beech, Sugar Maple, Scarlet Maple, Magnolia acuminata, Magnolia tripetala, White Flowering Dogwood, Yellow Wood, Leather Wood, Spice Wood, Sweet Gum, Tulip Poplar, Red Bud, Water Beech, Hackberry. Please ask for prices on all kinds of Tree and Shrub Seeds and Seedlings.

TAYLOR PERRY, JR., & CO., Roleta, Tenn.

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

WRITE FOR SPECIAL QUOTATIONS ON WIRE WORK DURING SUMMER MONTHS.

42 and 44 E. Randolph St., CHICAGO.

They are Fine;

None better. We offer if unsold on receipt of order.

	100	1000
2100 Bridesmaid.....in 4 -in. pots	\$4.00	\$35.00
1000 " " " " " " " " " " " "	4.00	35.00
1720 " " " " " " " " " " " "	3.00	25.00
500 " " " " " " " " " " " "	2.00	20.00
300 Brides " " " " " " " " " " " "	4.00	35.00
200 " " " " " " " " " " " "	4.00	35.00
3500 " " " " " " " " " " " "	3.00	25.00
1200 " " " " " " " " " " " "	2.00	20.00
3000 Meteors....." " " " " " " " " " " "	2.50	25.00

	100	1000
500 Mme. Chatenay...in 4 -in. pots	\$4.00	
100 " " " " " " " " " " " "	2.00	
125 Mme. Cousine....." " " " " " " " " " " "	3.50	
250 Lady Dorothea....." " " " " " " " " " " "	4.00	
150 " " " " " " " " " " " "	2.50	
2000 Golden Gate....." " " " " " " " " " " "	2.50	25.00
700 Maid of Honor....." " " " " " " " " " " "	3.00	
700 " " " " " " " " " " " "	2.00	

5000 Brides and Maids in 3 and 4-in pots. These are carried over stock; they are good. We offer them at \$12.00 per 1000.

Latania Borbonica.....3-in. pots	\$12.00 per 100
Areca Lutescens....." " " "	20.00 " "
Cocos Weddeliana....." " " "	12.00 " "
Asparagus Sprengerii....." " " "	25.00 " "
" " " " " " " " " " " "	8.00 " "
" " " " " " " " " " " "	6.00 " "
" " " " " " " " " " " "	3.00 " "

Ficus Elastica, 6-in. pots.....75c to \$1.50 each.
Boston Fern, 8-in. pots...\$25.00 to \$35.00 per 100
Plans are vigorous and unusually fine. Will be carefully packed, and we guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

FOR
Holiday Blooming
NARCISSUS
FRENCH DOUBLE VON SION.
"PARIS" BRAND.

A Narcissus specialist in France has been breeding up for several years past a pure strain of Narcissus Von Sion, and owing to the careful cultivation given them they produce blooms almost as large as the Dutch Von Sion. These cultivated French grown Von Sion have been torced by a few large eastern florists the past two years and have given good results. Under proper treatment they can be bloomed easily for Christmas, and even some weeks earlier.

These cultivated Von Sion are not to be confounded with the wild Von Sion offered by French growers and sold at low figures. We want each of our customers to try at least a few thousand of these for Christmas blooming, and if cultural directions as mentioned below are followed, we believed they will give every satisfaction. Per 100, \$2.00; per 1000, \$16.00.

"NARCISSUS, French Grown VON SION for forcing for Christmas flowers, we would advise placing the bulbs as soon as received in August or September, in flats outside or in cold frames. They can be brought into the house for forcing about November 15th or as late as December 1st. When brought in the flower stalks should show from 3 to 5 inches in the flats. These bulbs when so started will stand damp heat which is contrary to the habit of Dutch Von Sion."

NOW READY FOR DELIVERY AT NEW YORK OR CHICAGO.

Vaughan's Seed Store,
CHICAGO, NEW YORK,
84-86 Randolph St. 14 Barclay St.

Special Offer until October 1st
PHOENIX CANARIENSIS,

Elegant stock; fully characteristic. 4 1/2-inch pots, \$25.00 a hundred; 5 1/4-inch pots, \$35.00 a hundred. This is surely a bargain.

J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.

When corresponding with advertisers mention the AMERICAN FLORIST.

CHEAP to CLOSE OUT

Boston Ferns
At \$3.00 per 100, \$25.00 per 1000.
Asparagus Plumosus Nanus,
\$3.50 per 100, \$30.00 per 1000.
Asparagus Sprengerii,
\$2.50 per 100, \$20.00 per 1000.

The above are nice plants from 2 1/2-inch pots.
OTAHEITE ORANGES, from 3-inch pots. \$4.50 per 100; \$40.00 per 1000.

The Good & Reese Co.,
SPRINGFIELD, OHIO.

Please mention the American Florist when writing.

SHIPPING LABELS FOR
...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Seed for samples....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.
American Florist Co.,
CHICAGO.

PANSIES

THE JENNINGS STRAIN of Show and Fancy Pansies. New Crop Seed Now Ready.

My 1900 strain is of the highest standard and cannot be excelled by any. Finest mixed, 2500 seeds, \$1.00; 1/2-oz., \$2.50; oz., \$5.00. Yellow, white, blue and black, in separate colors, 50c per pkt., post-paid by mail. Small Pansy Plants, 60c per 100 by mail. Cash with order.

E. B. JENNINGS, Grower of the Finest Pansies.
Lock Box 254. SOUTHPORT, CONN.
Please mention the American Florist when writing.

Perles, Maids, Brides.

5000 extra strong 3-in. plants in finest possible shape for immediate planting and early bloom. Will pay for themselves in a few weeks. Special reduced prices to get the room:

Maids and Brides.....	\$3.00 per 100
P rles, superb stock.....	4.00 " "

Samples for 25 cts.

FIELD-GROWN CARNATIONS.
5000 Jubilee, Scott, Argyle and Victor, \$5 per 100. Will exchange above or Maid Roses for some extra strong McGowan Carnations.

W. H. GULLETT & SONS, Lincoln, Ill.

40,000 Carnations 40,000

STRONG FIELD GROWN

	Per 100	Per 1000
WM. SCOTT -	\$3.00	\$25.00
McGOWAN -	2.50	20.00
ARMAZINDY -	3.00	25.00

Cash with order, please.

WM. FLUEGEE,
154 Lawrence Ave., Station X, CHICAGO.

Some Carnations.

FINE FIELD-CROWN.

400 Cardinal.....	per 100, \$5.00
800 McGowan.....	" " 4.00
600 Scott.....	" " 4.00
800 Albertini.....	" " 5.00
200 Pingree.....	" " 5.00

BROWN & CANFIELD,
SPRINGFIELD, ILL.

CARNATIONS

Field Grown **MARQUIS**
First, \$15.00 Second, \$10.00

L. E. MARQUISEE, Syracuse, N. Y.

8000 Carnations Good, healthy plants.

G. H. Crane, per 100,	\$7.00	Pingree, per 100,	\$3.50
Mrs F. Joost, " "	5.00	Mary Wood, " "	3.50
Daybreak, " "	4.00	White Cloud, " "	6.00
Mrs. Jas. Dean, " "	4.00	Flora Hill, " "	4.00

CARL RAUTH, Springfield, Ill.

10,000 Carnation Plants.

Extra fine large plants, carefully packed,
\$35 per 1000 F. Hill Alaska, McGowan, Scott,
\$5 per 100 C. A. Dana, E. Pierson. Lido-rado, Armazindy.

2000 feet of 3-in. **BOILER FLUES** for hot water heating for sale, 4c per foot, all in good condition, 20-foot lengths.

GEORGE H. BENEDICT, Yorkville, N. Y.

100,000 PANSIES

Roemer's superb prize, good bushy plants, per 100, 50c.; per per 1000, \$3.00.
S. T. DANLEY, Macomb, Ill.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The sporting committee of the New York Florists' Club met at the bowling alleys on Monday afternoon, September 3. While getting ready for serious business they rolled up the following scores:

Player	1st	2d	3d	Total
Traendly.....	112	154	120	384
Schenck.....	162	131	117	410
Burns.....	127	99	148	374
Rochrs.....	143	136	149	428
Steffens.....	103	106	103	312

The committee decided to distribute the ladies' prizes as won, to the three ladies having made highest scores.

The next meeting of the Bowling Club will be held on the afternoon of the second Monday in October, at 4 p. m., at the usual place.

Chicago Felicitates Herself.

If Buffalo is getting more pleasure out of the basketful of mugs she won at Greater Gotham than the Chicago boys are finding in the contemplation of the Queen of Edgely cup, she is, indeed, in ecstasies. Perhaps it is because winning trophies is such a novel experience for Chicago that her bowlers are prone to gather about the tall silver vase, with only now and then a word of regret when reference is made to that final, up-hill game which, had it been just a bare half dozen points better than the first one, would have swept the board in spite of Kasting, Webber and the whole Pan-American contingent. But Chicago is satisfied; she never did so well before.

The Queen of Edgely cup, by the way, is no bauble; it is a big, massive, yet graceful piece of silver. It is worth in the vicinity of \$250, Captain Edgar F. Winterson being required to give his personal bond for that amount for its safe-keeping and delivery to the National Florists' Bowling League at Buffalo in August, 1901, the cup not passing into the permanent possession of any club until that club shall have won it twice. Captain Winterson finds the trophy something more than an unmixed joy, for it is too valuable to lie around and too big to lock up in any safe needed in the florist trade. It's as tall as the average coffee urn in a restaurant, and twice as heavy, and the leather case, satin-lined, is as big as many trunks.

The Chicago boys are pleased at the assurance of H. C. Geiger, of the Floral Exchange, the donor of the cup, that they are glad that the trophy is located in the "Beauty country"; it must be that Mr. Geiger expects the rose for which the cup is named, the pink American Beauty, to also find a warm welcome in Chicago.

Detroit.

PYTHIAN CONCLAVE MAKES BUSINESS BRISK.—MEETING OF THE CLUB.—OFFICERS INSTALLED.—BOWLERS WERE EMBARRASSED.

The Knights of Pythias convclave held here last week brought to the city nearly 40,000 visitors and was the direct cause of an active demand for flowers all

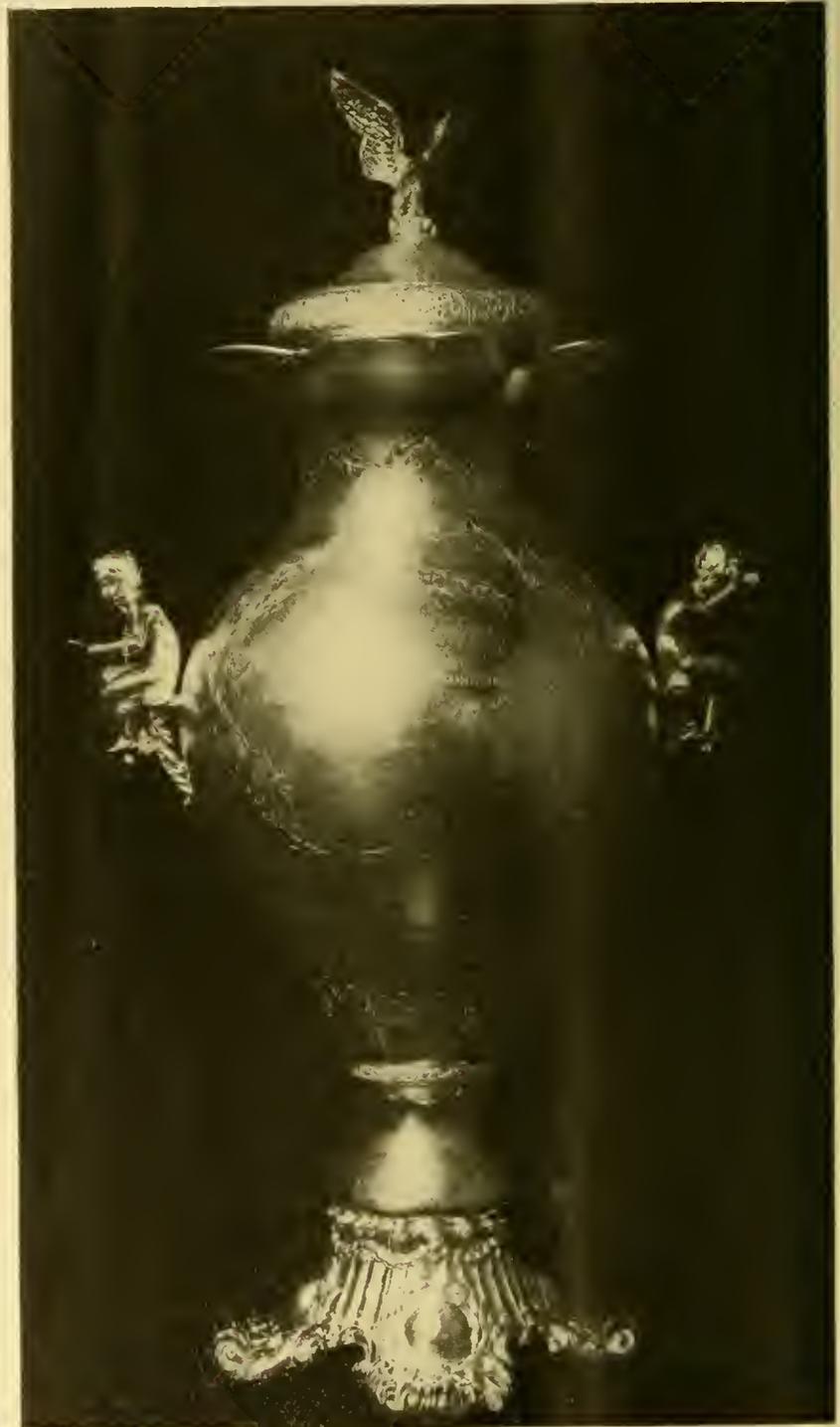
along the line. American Beauties were very much sought for and the dealers were unable to supply the required amount. It is not always easy to trace the cause of a sudden and extraordinary demand for flowers, but on this occasion there was no doubt that the reunion of the Knights was responsible for the activity in florists' circles the whole week, which would have been otherwise extremely dull.

The Florists' Club meeting was largely attended on the evening of September 5. The newly elected officers were installed as follows: President, Geo. A. Rackham; vice-president, Frank Beard; secretary, Geo. Davis; treasurer, B. Schroeter.

The convention at New York, which was so well attended from here, was the chief topic of discussion, and all were loud in their praises of the hospitality tendered them by the New York Florists' Club.

When our defeated bowlers returned they were greatly embarrassed to find the city gayly decorated and illuminated, but were later much relieved to learn that it was all for the Pythians. They were unsuccessful in their efforts to bring back some of the coveted prizes but they are not discouraged.

Recent visitors: C. W. Ward, Queens, N. Y.; Elmer D. Smith, Adrian, Mich.; J. M. Gasser, Cleveland, and Henry Smith, Grand Rapids. J. F. S.



THE QUEEN OF EDGELY CUP, CHICAGO'S TROPHY OF CONVENTION PROWESS.

Pennsylvania Horticultural Society.

The prizes for the best collection of outdoor cut flowers, offered by Henry A. Dreer and Henry F. Michell for the August meeting of the Pennsylvania Horticultural Society brought out some 300 vasetuls. The winners of the Dreer prizes were: First, Joseph Hurley, gardener to J. M. Rhodes, Ardmore; second, John McCleary, gardener to W. Weightman, Germantown. The Michell prize winners were: First, W. Fowler, gardener to Mrs. Charles Wheeler, Bryn Mawr; second, W. Robertson, gardener to J. W. Pepper, Jenkintown.

Other awards were: For Magnus tomato, first, Francis Canning, gardener to Samuel T. Bodine, Villanova; second, James McGregor, gardener to Mrs. Thomas A. Scott, Lansdowne. Sugar corn, first, John McCleary; second, Francis Canning.

The H. Waterer prize for best dish of twelve tomatoes was to the Stone of R. G. Carey, gardener to Thomas C. Price, Chestnut Hill. The second best plate was that of W. H. Carey, gardener to Mrs. Allen B. Rorke, Ardmore.

Other exhibits receiving special mention were a well grown plant of Allamanda Williamsii and six vases of the Allegheny hollyhock, grown by John Hobson, gardener to Edward A. Schmidt, Radnor, and orchids in several varieties by Alphonse Pericat, gardener to Mrs. G. B. Wilson, West Philadelphia. A new hybrid in this collection, Lælio-cattleya velutina elegans, was given a silver medal.

80,000 Extra Fine Field-Grown ...CARNATIONS

Argyle, Scott, Tidal Wave, Gold Nugget, Flora Hill, White Cloud, McGowan and Evelina,

\$3.50 PER 100,
\$30.00 PER 1000.

MRS. A. M. SCHAFER, 277 Balmoral Ave. CHICAGO.

10,000 Carnation Plants, FIELD GROWN.

Scott, Hill, Cloud, Crane, Gomez and Joost. FOR CASH ONLY. PRICE ON APPLICATION.

J. A. SUYDAM, FLORIST. FLATBUSH, BROOKLYN, N. Y.

CARNATIONS FIELD GROWN

1500 FLORA HILL, 3000 LIZZIE M'GOWAN, 1500 WM. SCOTT, 1000 TIDAL WAVE, 600 DAYBREAK,

\$3.00 per 100. \$25.00 per 1000.

CASH WITH ORDER. CHAS. WIFFIN, DES PLAINES, ILLINOIS.

Field-Grown Carnations.

Glacier, Evanston, Jubilee, Armazindy, Victor, A. Webb, F. Hill, Daybreak, Dana, Meteor, Morello, Cartledge, M'Gowan, Bridesmaid, Eldorado, Portia, Jahn's Scarlet, Scott, Fancy stock, \$5; ordinary, \$3.

Cash. DANA R. HERRON, Olean, N. Y.

150,000 CARNATION PLANTS

Large, strong Plants, in excellent health and sold with our guarantee of perfect satisfaction or money refunded.

	100	1000
WM. SCOTT.....	\$3.00	\$25 00
LIZZIE M'GOWAN.....	3 00	25 00
ARMAZINDY.....	4.00	35.00
EVELINA.....	4.00	35.00
MRS. BRADT.....	6.00	50 00
EVANSTON.....	6.00	50.00

PETER REINBERG,

51 Wabash Avenue,

CHICAGO, ILLINOIS.

FIELD-GROWN

CARNATIONS

LARGE, HEALTHY PLANTS, CLEAN AND READY FOR IMMEDIATE PLANTING.

	Per 100	Per 1000		Per 100	Per 1000
G. H. Crane.....	\$7.00	\$60.00	Jubilee.....	\$3.50	\$30.00
Triumph.....	5 00	40 00	Bon Ton.....	3.50	30.00
Flora Hill.....	5.00	40 00	Lizzie McGowan.....	3 50	30.00
White Cloud.....	5.00	40.00	Armazindy.....	3 50	30.00

WIETOR BROS.,

51 WABASH AVE.

.....CHICAGO.

25,000 Carnations 25,000

FIELD GROWN PLANTS OF THE FOLLOWING VARIETIES:

15,000 Flora Hill.....	\$ 5.00 per 100	2,000 Eldorado.....	4.00 per 100
4,000 White Cloud.....	8.00 "	1,000 Wm. Scott.....	4.00 "
1,000 Mrs. Bradt.....	10.00 "	1,000 Daybreak.....	5.00 "
1,000 G. H. Crane.....	10 00 "	500 Emily Pierson.....	4.00 "
1,000 McGowan.....	4.00 "		

These Plants are all in first-class condition, good size and healthy stock. Write me if you are in need of a large quantity.

CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

4 Acres Field-Grown Carnation Plants, 120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and are packed light by our improved method of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINCREE	BUTTERCUP	MRS. C. M. BRADT
	\$1.50 per dozen. \$8.00 per hundred.	
CRIMSON SPORT	ARMAZINDY	JUBILEE
DAYBREAK	WHITE CLOUD	MELBA
TRIUMPH	\$1.25 per dozen. \$6.00 per hundred.	ELDORADO MAUD ADAMS
MCGOWAN	L. L. LAMBORN	SWEETBRIER
FLORA HILL	PORTIA	MRS. FISHER
WM. SCOTT	DOROTHY SWEET	C. A. DANA
	\$1.00 per dozen. \$5.00 per hundred.	METEOR ALBERTINI

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring and freedom of flower by any others grown.

50 cts. per 100 \$4 00 per 1000.

J. L. DILLON, BLOOMSBURG, PA.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertising in the American Florist. TRY IT NOW.

60,000

FIELD-GROWN

Carnation Plants

Argyle, Pingree, Tidal Wave, Evelina, Daybreak, Flora Hill, Triumph, Scott, McGowan, Armazindy,

Per 100 \$3.50; per 1000 \$30.00. EVANSTON..... \$6.00 50.00 WHITE CLOUD..... 6.00 50.00 JOOST..... 6.00 50.00 G. H. CRANE..... 8.00 BRADT..... 6.00

ROSE PLANTS.

METEOR BRIDESMAID BRIDE } Large, strong plants. Per 100, \$2.50; 1000, \$20.00. PERLE and AM. BEAUTY } Lifted from bench, in good condition. Per 100, \$2.50; 1000, \$20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

FIELD-GROWN

CARNATION PLANTS.

First-Class in Every Respect.

McGowan.....per 100, \$3.50 Mary Wood..... " 5.00 Nugget..... " 4.00 Melba..... " 6.00 Dean..... " 5.00 Daybreak..... " 3.50 Scott..... " 3.00

W. P. HARVEY, Geneva, Ill.

30,000 Field-Grown

CARNATIONS

Extra fine, large and well shaped plants. Varieties:

FLORA HILL, EVELINA, VICTOR, JOOST, DAYBREAK, TRIUMPH, RED JACKET, ALBERTINI, GENESEE, TIDAL WAVE and METEOR, \$5.00 per 100.

WHITE CLOUD, \$7.00 per 100.

Special quotations on large quantities.

P. R. QUINLAN, 904 W. Gene-ee St., Syracuse, N. Y.

8,000 Carnations...

Field-Grown Plants, Strong Roots, free from disease. Send 50c for sample and prices. Ten best vars.

1000 PRIMULAS

Strong 2 1/2-in., per 100, \$3.00.

MURRAY, the Florist Seedsman,

403 Main St. PEORIA, ILL.

: : Extra Fine : :

Field-Grown Carnations.

	Per 100	Per 1000
4000 GENEVIEVE LORD	\$10.00	\$75 00
2400 CHICAGO	7.50	60.00
100 MRS. JAS. DEAN.....	5.00	
2000 GEN. MACEO	8 00	60 00
200 GEN. GOMEZ.....	8.00	
800 JOHN YOUNG.....	6 00	50.00
250 ARGYLE.....	4.00	
5000 ARMAZINDY	4.00	30.00
7000 EVELINA	4 00	30.00
8000 WILLIAM SCOTT.....	4.00	30 00

BLOOMS OF ALL LEADING VARIETIES NOW READY. AT 50c AND \$1.00 PER HUNDRED.

Cash must accompany order.

CHICAGO CARNATION CO., Joliet, Ill.

100,000 Carnation Plants.

WHITE VARIETIES	PINK VARIETIES	RED VARIETIES
Flora Hill \$5 00 per 100	Daybreak..... 4.00 per 100	G. H. Crane..... 8.00 per 100
White Cloud..... 7.00 "	Mrs. F Joost..... 5.00 "	Jubilee..... 6.00 "
Evelina..... 5.00 "	Albertina..... 5.00 "	Bon Ton..... 5.00 "
Lizzie McGowan . 4.00 "	Argyle..... 5.00 "	YELLOW VARIEGATED
Mary Wood..... 4.00 "	Triumph..... 5.00 "	Manila..... 5 00 "
John Young..... 5.00 "		VARIEGATED VARIETIES
YELLOW VARIETIES	CRIMSON VARIETIES	Helen Keller..... 5.00 "
Eldorado..... 4.00 "	Gen. Gomez..... 8.00 "	Armazindy..... 5.00 "
Mayor Pingree..... 5.00 "	Empress..... 5.00 "	

Special Prices on Large Orders.

MY STOCK IS EXTRA FINE.

I WOULD BE PLEASED TO RECEIVE YOUR ORDER.

Rockford Seed Farms, Forest City Greenhouses.

H. W. BUCKBEE, ROCKFORD, ILL....

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

FIELD GROWN

CARNATIONS

Want 450 Lizzie McGowan in exchange for Daybreak, Flora Hill, Genessee or Portia. Above for sale, with Tidal Wave and Silver Spray.

GEO. SOUSTER, ELGIN, ILL.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS.

Send for prices of thirty-five best new and standard varieties.

GEO. HANCOCK & SON,

Grand Haven, Mich

FOR SALE OR EXCHANGE.

THE FOLLOWING CARNATIONS:

3000 McGowan at \$3.00 per 100; 100 Portia at \$2.50; 200 Kittle Clover at \$3.25; 300 Eldorado at \$3.50; 100 Scott at \$3.00.

Will exchange for Smilax, Primula Obconica, or Double Violets.

E. WICKERSHAM & CO., Pottstown, Pa.

20,000 CARNATIONS 20,000

EXTRA FINE, FIELD GROWN.

	Per 100
FLORA HILL.....	\$ 5.00
WHITE CLOUD.....	6.00
DAYBREAK.....	4.00
WM. SCOTT.....	4.00
MARQUIS.....	12.00
G. H. CRANE.....	8.00
GEN. GOMEZ.....	8.00
MRS. BRADT.....	8.00
GOLD NUGGET.....	6.00
TRIUMPH.....	4.00
VICTOR.....	4.00

W. A. WETTLIN, Hornellsville, N. Y.

GENEVIEVE ..LORD..

ANOTHER year's trial convinces us that it is not only a worthy successor to Wm. Scott, but far superior to that variety in every way. In short it is the finest pink Carnation to date, all things considered. We offer a limited number of field grown plants as follows: First size, \$12.00 per 100; second size, \$10.00 per 100. Also a few other vars. Write for prices, etc. Delivery Sept. 1.

H. WEBER & SONS, Oakland, Md.

Please mention the American Florist to our advertisers.

New Haven.

TRADE SLOW BUT FUNERAL WORK TAKES CARE OF ALL SURPLUS—NEW HORTICULTURAL SOCIETY PROSPERS.

Trade here has been about as usual through August, but some very good funeral orders have served to keep the surplus moving, asters being used for a good share of the work done. The growers are very busy housing carnations and violets, which they report doing well, considering the very dry season.

There was an excellent showing at the August meeting of the New Haven Horticultural Society, there being over fifty members present. There was a short talk by the president, Eli Whitney, and several new members were elected.

J. N. Champion has just finished a new house, 12x65, for chrysanthemums and azaleas. He is also putting in a new front in his Chapel street store.

The New Haven Horticultural Society will hold a chrysanthemum exhibition in the Music Hall, November 14 to 16.

G. H.

AVONDALE, PA.—E. J. Cloud is adding a new house to his range, intending to extend his business considerably this fall.

STREATOR, ILL.—The W. C. Hill Floral Company has removed its greenhouses to a piece of land about a mile from town where it has three houses 20x100 in course of erection, one for roses, one for carnations and one for miscellaneous stock. They expect to put up three more next spring.

ROSES.

Strictly first-class stock out of 3-inch pots: Brides, Meteors, Maid, Perle and Golden Gate, \$3.00 per 100.

Field-grown Crimson Rambler—Canes three and four feet, 10c.

Field Carnations—Flora Hill, Lizzie McGowan (white), Scott, Tidal Wave (in pink), Morello and Jubilee (in red), Mayor Pingree (yellow); \$3.00 per 100.

Geraniums—5,000 Bruanti and Heteranthe (best scarlet), White Swan and La Favorite (best white), American Wonder (best single scarlet), strong 2½-inch, \$1.50 per 100.

Asparagus Sprengerii—Strong, 2½-inch, ready for 4-inch, 5c., fine stock.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Rose Plants.

First class, healthy plants. To close out we quote the following low prices:

- 500 Beauties.....3-inch, \$4.00 per 100
- 1000 Perles.....3 " 3.00 "
- 1000 Meteors.....3 " 2.00 "
- 800 Bridesmaids.....3 " 3.00 "
- 400 Brides.....3 " 3.00 "

CARNATION PLANTS.

Strictly first-class and in fine shape. Mrs. Bradt, \$5.00 per 100. White Cloud, Flora Hill, Gold Nugget, Evanston, \$4.00 per 100. Wm. Scott, Portia, Victor, \$3.00 per 100

A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago.

A New Catalogue entitled

Flowers and Floral Designs.

Twelve pages and handsome cover. Shows forty-one arrangements, with prices. For agents' use, or promoting out-of-town trade.

Sample, 40c in Stamps. Circular Free.

DAN'L B. LONG, Publisher, BUFFALO.

Holly. Finest Quality. Any Quantity.

Write us for prices delivered at your door. CALDWELL The WOODSMAN CO Inc., Evergreen, Ala.

BROWALLIA GIGANTEA (True)

2½-in. pots, \$3 per 100. R. cuttings, \$1.50 per 100. Henry Eichholz, Florist, Waynesboro, Pa.

At It Again

Friday, September 14th and every Tuesday and Friday thereafter during September and October,

PALMS, CARNATIONS

And other seasonable stock

AT AUCTION

We want consignments from good growers. We can sell the goods.

N. F. McCarthy & Co.

84 Hawley St., BOSTON, MASS. CORRESPONDENCE SOLICITED.

Marie Louise Violets

CLEAN, HEALTHY, POT GROWN PLANTS.

\$4.00 per 100 * \$30.00 per 1000

L. L. MAY & COMPANY, ST. PAUL, MINN.

STRONG FIELD-GROWN PLANTS OF

Farquhar Violets.

Free from disease of any kind. \$6.00 per 100; \$50.00 per 1000.

JOHN McFARLAND, North Easton, Mass.

CANNAS. Extra large clumps of the following varieties, \$3.00 per doz.

Egandale, Chicago, F. Vaughan, Robt. Christie, Alamania, Mille. Berat, Pres. McKinley and other good varieties.

W. W. COLES, KOKOMO, IND.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

VIOLETS From pots, A1 stock, free from disease; Lady Campbell, \$2.50 per 100, \$20.00 per 1000; from 3 and 3½-in. pots, \$4.00 per 100, \$35.00 per 1000.

ROSES, Meteors, Perles, Maids and Brides; extra fine stock, 3-in., \$3.00 per 100, \$25.00 per 1000. Discount on large lots.

CARNATIONS, a bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for price list.

CRABB & HUNTER, Grand Rapids, Mich.

Asparagus Plumosus

Fine 3-in. Stock, \$5.00 per hundred.

==Smilax==

CASH WITH ORDER PLEASE. Fine 3-in. Stock, \$2.50 per hundred.

VAN WERT GREENHOUSES,VAN WERT, OHIO.

BOSTON FERNS,

Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$20.00-\$25.00 per 100. Also fine plants in 5-6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100, \$4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, \$3.00 per 100.

Asparagus Sprengerii, 2-in., \$6.00 per 100. Kentia Belmoreana, 2½-in. pots, \$10.00 per 100; 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00.

Send for Particulars.

BOBBINK & ATKINS

RUTHERFORD, N. J.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2¼-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come. Order Early from

Money Order Office, EDWIN LONSDALE, Sta. H. Philadelphia. Wyndmoor, (Near Phila), Pa.

N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

Please mention the American Florist when writing.

VINCA....

VARIEGATA

FIELD GROWN VINES

For Fall Delivery * Two Sizes. Prices on Application.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz. GERANIUMS, S.A. Nutt and others, 3-in., \$4 per 100. NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.

ASPARAGUS PLUMOSUS, 2½-in., \$5 per 100, \$40 per 1000. ASPARAGUS SPRENGERII, 2½-inch, \$4.00 per 100; \$30.00 per 1000.

SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. Carl Hagenburger, W. Mentor Ohio.



Primroses

500 three-inch pot plants, Roemer's best mixture, at \$1.00 per 100.

Smilax

200 first size at \$1.50 per 100, and 1000 second size at \$1.00 per 100.

Asparagus Plumosus

300 three-inch pot plants at \$6.00 per 100.

Carnations

Some bargains in field grown plants after Sept. 15.

ALBERT M. HERR
LANCASTER, PA.



ASPARAGUS PLUMOSUS NANUS,
Fine young plants.....\$5.00

BEGONIA REX,
Strong, 3-inch pot plants, in good assortment..... 6.00

CYPERUS ALTERNIFOLIUS,
2 1/4-inch pots..... 3.00

CYCLAMEN,
Dry bulbs, finest strain, mixed..... 6.00

CAREX JAPONICA VARIEGATA,
An excellent decorative grass. Extra strong plants from 2 1/4 pots..... 5.00

NEPHROLEPIS CORDIFOLIA,
2 1/4-inch pots..... 3.00

SMILAX, Field-grown, strong clumps..... 3 00
Extra heavy..... 5.00

NATHAN SMITH & SON, Adrian Mich.

100,000 FERNS IN FLATS - - -

At One Cent.
Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginellas, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

BOSTON FERN.

2 1/4-in. pots, \$5.00 per 100; 3-in. \$8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
West Grove, Pa.

Beauties. Sprengerii.

AM. BEAUTY ROSES, good, 3-inch, \$6.00 per 100.
ASPARAGUS SPRENGERII, strong plants, ready for 3-inch pots, \$5.00 per 100, \$45.00 per 1000.

Robert F. Tesson, West Forest Park, St. Louis, Mo.

Rubber Plants.

18 inches high above pot...\$3.00 per doz.
14 to 16 in. high above pot...\$2.40 per doz.

These plants are extra strong and well grown, and can be shifted to 6-inch pots.

CINCINNATI FLORAL CO.,
2330 Harrison Ave., CINCINNATI, O.

15,000 EXTRA FINE BOSTON FERNS

2 1/4, 3, 4, 5, 6 and 7-inch pots, now ready for shipment. Some very fine plants of Asparagus Plumosus Nanus out of 2 1/2-inch pots. A few thousand mixed Roses on hand for planting. Write for prices.....

GEO. A. KUHL, PEKIN, ILL.

JOSEPH HEACOCK,
WYNCOTE, PA.,
OFFERS THE FOLLOWING HOME-GROWN **Palms** Free from INSECTS and DISEASE of any kind.
They cannot fail to Give Satisfaction. Should be seen to be appreciated. A Trial Order is Solicited.

ARECA LUTESCENS.		
3 plants, 6-inch pot, 24-inch.....		\$12.00 per dozen; \$100.00 per 100
3 " " 8 " " 30 "		30.00 "
3 " " 8 " " 36 "		36.00 "
KENTIA BELMOREANA.		
4-inch pot, 5 to 6 leaves, 15 inches high.....		\$ 4.50 per dozen; \$ 35.00 per 100
6 " " 6 " " 24 "		15.00 " 125.00 "
6 " " 6 to 7 " " 26 "		18.00 " 150.00 "
8 " " 6 to 7 " " 30 to 32 inches high		\$3.00 each.
8 " " 7 to 8 " " 36 inch		4.00 "
KENTIA FORSTERIANA.		
4-inch pot, 4 to 5 leaves, 15 inches high.....		\$1.50 per dozen; \$35.00 per 100
8 " " 6 " " 36 to 40 inches high.....		\$3.00 each, \$36.00 per dozen.
8 " " 6 " " 48 to 50-in		4.00 " 48.00 "

All Measurements Are from Top of Pot.

CHINESE.... PRIMROSES

50,000 finest large flowering fringed.....1000, \$15.00; Per 100, \$1.75
Obconica grand., fimbriata, rosea and Forbesi " 2.00
Obconica grandiflora and rosea, ready Sept. 20th.
Asparagus { Sprengerii.....\$3.00 per 100 Pansy Seed, large flowering,
Plumosus..... 4.00 " ounce, \$4.00
Cinerarias, October 1st.....\$2.00 per 100.

CASH PLEASE. JOS. H. CUNNINGHAM, Delaware, O.

PRIMROSES.

FINEST SINGLE, all varieties, mixed, \$2.00 per 100; **DOUBLES**, mixed, \$3.50 per 100.
CYCLAMEN GIGANTEUM. Fine, out of 3's, \$4.00 per 100.

GIANT PANSY SEED.

The very best mammoth varieties, no finer ever offered; all the seed plants critically selected. **SOW THE BEST.** Packet, 3500 seeds, \$1.00; half-pkt., 50c. A packet of the grand new Dwarf Forget-Me-Not "Blue Beauty" added to every seed order. Strictly cash prices.

THE HOME OF PRIMROSES. JOHN F. RUPP, Shiremanstown, Pa.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.
A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Orchids!

Arrived fresh from the woods in fine condition: *Lælia anceps*, *L. autumnalis*, *L. Crispa*, *L. flava*, *L. grandis lenebrosa*, *L. Perrinii*, *Oncidium Varicosum Rogersii*, *Cattleya Percivalliana* and *C. Mossiae*.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

NOVELTIES IN PLANTS

That Can't Be Had Elsewhere.
Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Buddleias, New Deutzias, Mr Peter Barr's New White Lupin, The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Buellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea. Send for Catalogue of Novelties. Always in quantity—Asparagus Sprengerii, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices.

A. BLANC & CO., Philadelphia, Pa.

BABY PRIMROSE

Out of 2 1/2-in., ready for 4-in., \$2.00 per 100.
Henry Eichholz, Florist, Waynesboro, Pa.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors; a splendid stock of plants from 2 1/4-in. pots, \$5.00 per 100, \$40.00 per 1000; from 3-in. pots, \$7.00 per 100, \$60.00 per 1000.

CHINESE PRIMROSES—(fringed) single and double, in the finest market varieties; from 2 1/4-in. pots, \$2.50 per 100.

BEGONIA REX—(rooted cuttings) in 15 vars. mixed, \$1.50; assorted, \$2.00 per 100.

CINERARIAS—hyb. maxima grandiflora nana, from 2 1/4 in. pots, \$2.50 per 100, \$20.00 per 1000.

CARNATIONS—(field grown) strong, healthy plants; Daybreak, Wm. Scott, McGowan, White Cloud, first size \$4.00 per 100, \$35.00 per 1000; second size \$3.00 per 100, \$25.00 per 1000.

250 plants of any of the above at the 1000 rate.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.
Please mention the American Florist when writing.

CABBAGE plants, H. Succession, Early and Late, Flat Dutch, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

CELERY plants, Pink Plume, New Rose and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE, Grand Rapids, Curled Simpson and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY, extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage, Celery and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.
Please mention the American Florist when writing.

Los Angeles.

KRUGER TAKES A REST FROM LABOR.—
SINGLETON COURT IN GOOD HANDS.—
VARIOUS NOTES.

Carl Kruger, whose skill as a producer of carnations and hegonias has made the firm of J. H. Sievers & Co., San Francisco, known to the entire horticultural world, has been compelled to dispose of his interest in the firm on account of ill health. He is at present rusticating in Southern California and expects later in the season to visit some of the notable carnation establishments in the eastern cities. We all hope he will soon be in the horticultural harness again, fully recovered and ready to surpass all his previous successes.

John Morley, who has held a number of responsible places in England as well as in this country, has accepted the position of head gardener at Singleton Court, the residence of John Singleton, one of the principal owners of the Yellow Aster gold mines. This place, under the management of Ernest Braunton, is rapidly becoming one of the finest in the west and contains some of the best specimens of tropical trees and palms to be found in this vicinity.

W. A. Peschelt, who has charge of the elegant grounds of U. S. Senator Jones, at Santa Monica, Cal., has returned from a three months' vacation, most of which was spent in Europe. D. R. W.

LYONS, N. Y.—Jas. P. Boyle has purchased the old rectory building of St. Michael's church, has removed it to his greenhouse property and will remodel it into a handsome dwelling.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.

\$2.00 Per Year. Sample Copies Free.
Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. CHICAGO.

"NICOMITE"

(PATENT)

Vapor Insecticide
POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

ALL GREENHOUSE BUGS.

SOLD BY SEEDSMEN.

The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.



LIQUID PLANT FOOD

For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY,

Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN - CIRCULAR FREE - SKABCURA DIP CO. CHICAGO.

Kill AND SAVE THE BLOOMS! QUICKLY DOES IT.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for \$2.50. Without spraying valve, \$3.00.

The Hess Connection Co., Kingston, R. I.

THE Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, \$4.20 per year Remittances to be made payable to H. G. COVIL.

OFFICE:—

41 Watlington St., Caven Garden, London, England.

Die Bindekunst

Einzig Special Zeitschrift der Welt für BLUMENBINDEREI.

Probennummern umsonst.

Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,

ERFURT, DEUTSCHLAND.

Please mention the American Florist when writing

MÖLLER'S Deutsche Gärtner Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Moller's Deutsche Gärtner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt. (GERMANY)

THE Regan Printing House

NURSERY SEED FLORISTS CATALOGUES

87-91 Plymouth Place,

CHICAGO

...AN...

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of \$2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

WE ARE READY

For the coming season with the most complete and comprehensive line of "Florists' Supplies" to be found in America.

Being one of the **LARGEST IMPORTERS AND MANUFACTURERS** of

Florists' Supplies

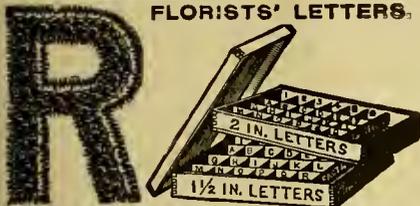
We invite every Florist to step in and see our stock, if at all possible, or write to us for our **HANDSOME NEW ILLUSTRATED CATALOGUE**, which will be found complete and up-to-date. A few of our specialties are

IMPORTED CYCAS LEAVES (dull and glazed), our **FAMOUS WHEAT SHEAVES, IMMORTELLS, CAPE FLOWERS** (all colors), **NOVELTIES IN FANCY AND PLANT BASKETS**, for every occasion; **POT COVERS, PEDESTALS**, and **EVERYTHING** that is needed by the trade will be found at **"HEADQUARTERS."**

M. RICE & CO., Importers and Manufacturers,
918 Filbert St., PHILADELPHIA, PA.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$2.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardiniere, Wheat Sheaves and Immortelles.

New Catalogue of all **FLORISTS' SUPPLIES** on application. For the trade only.

H. BAYERSDORFER & CO.
60, 62, 64 and 66 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

HEADQUARTERS FOR

COCO FIBRE, SHEEP MANURE, BONE all grades, **IMPORTED SOOT,** **SPHAGNUM and GREEN MOSS, RUSTIC WORK,** all kinds, **CLAY'S FERTILIZER.**
DUNNE & CO., 34 West 30th St. New York.
HORTICULTURAL SUPPLIES.

We've thousands of readers and hundreds of advertisers. Each helps the other.

PURE RAW BONE MEAL

Put up especially for our trade. For Roses and Carnations

nothing equals it. Use it on Chrysanthemums and you will win the prize at your flower show for the best bloom. 10 pounds, 40c; 25 pounds, 75c; 50 pounds, \$1.25; 100 pounds, \$2.00; 1 Bag, 200 pounds, \$3.75.

THE VAIL SEED CO., Indianapolis, Ind.

SIGMUND GELLER

Importer and Mr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

Imported Prepared

CYCAS LEAVES

LOWEST PRICES.

RECEIVING REGULAR SHIPMENTS.

Florida Natural Products Co.,

P. O. Box 273, Indianapolis, Ind.

SMILAX STR. NGING Made Easy by the use of

MEYER Green SILKALINE

JUST THE SHADE OF THE FOLIAGE.

Samples and prices free.

JOHN C. MEYER & CO.,

80-84 Kingston St. BOSTON, MASS.

For sale by leading Florists.

Universal Insecticide

For Flowers, Trees and Animals.

Recommended and in use by the foremost florists and nurserymen in the land.

For Sale at the Seed Stores.

ROSE MFG. CO.

NIAGARA FALLS, N. Y.

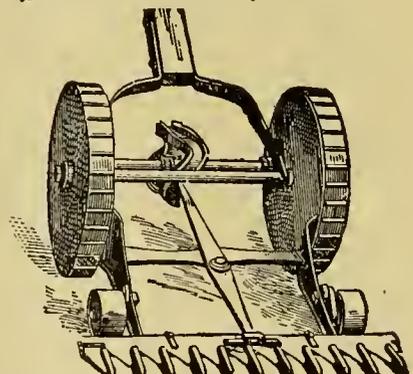


THE MOWER

THAT will KILL ALL THE WEEDS IN YOUR LAWNS.

If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. **The Clipper will do it.**

Send for circulars and prices.



CLIPPER LAWN MOWER CO., Norristown, Pa.



Invalid Appliance Co.,

MANUFACTURERS OF

COLUMBIA PLANT TUBS

(PATENTED)

"The kind that never fall apart."

If your seedman doesn't handle them, order of us direct.

FACTORY AND OFFICE:
150-160 VEDDER ST., CHICAGO.
TELEPHONE NORTH 853.

Please mention the American Florist when writing.

KIFT'S PATENT Adjustable Vase Holders

No. 1—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25
Price complete (with green or white cornucopia vases) \$2.50. No. 2—Heavy 4 ft. rod brass and nickled, with three clasps for 5 to 6-in. pots, each, \$1.75.

Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
1725 Chestnut St. Philadelphia, Penn

Please mention the American Florist when writing.

REED & KELLER,

Manufacturers of **Florists' Designs.**

Importers and Dealers in **Florists' Supplies.**

122 W. 25th St., NEW YORK CITY.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Washington.

LITTLE DEMAND.—STOCK LOOKING WELL.
—CONVENTIONITES HAPPY.—CENTAUREA
INDOORS.

Trade has not improved much, as the weather is still very hot. With a few good rains outdoor flowers are looking fairly well. Asters and tuberose are quite plentiful but not much in demand as yet.

All the boys who attended the convention at New York have returned in high spirits and are well pleased with their trip. The highest praise is heard for the New York people and the way they managed things.

The American Rose Co. is cutting some fine *Centaurea imperialis*, grown indoors. The flowers last a long time and make a good show. P. G.

ROCHESTER, N. Y.—Mrs. Schomburg has just completed a house 18x60 and J. B. Keller Sons are adding one 20x100 for azaleas.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2-in. pots in crate, \$4.98	120 7-in. pots in crate, \$4.20		
1500 2 1/4 " " " 5.25	60 8 " " " 3.00		
1500 2 1/2 " " " 6.00	48 9 " " " 3.60		
1000 3 " " " 5.00	48 10 " " " 4.80		
800 3 1/4 " " " 5.80	24 11 " " " 3.60		
500 4 " " " 4.60	24 12 " " " 4.80		
320 5 " " " 4.61	12 14 " " " 4.80		
144 6 " " " 3.16	6 16 " " " 4.60		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents
53 DEY STREET, NEW YORK CITY

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.
Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.
Please mention the American Florist when writing.

Standard **Flower Pots**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.

FLOWER POTS
ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.
SWAHN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.

GEO. KELLER & SON,
MANUFACTURERS OF

Flower Pots.

Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.



CYPRESS WRITE FOR CATALOGUE
GREENHOUSE MATERIAL OF EVERY DESCRIPTION
JOHN C. MONINGER CO. 111 to 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

MACHINERY and SUPPLIES at BARGAIN PRICES
We have the largest machinery depot on earth. We secure our machinery from the various buildings and plants that we are constantly buying. We purchased The World's Fair, The Omaha Exposition, The Chicago Post-Office and numerous other noted structures. Our facilities for rebuilding machinery are unsurpassed. We cover all our sales with binding guarantees. **BOILERS FROM \$25 UP. ENGINES FROM \$35 UP. STEAM PUMPS FROM \$15 UP - etc., etc.**
We also carry a complete stock of general supplies, such as BELTING, SHAFTING, HANGERS, PULLEYS, IRON PIPE, VALVES and FITTINGS, IRON ROOFING, HARDWARE, PLUMBING MATERIAL, etc. Cut this ad. out and we will send you Free our 250 page Catalogue No. 17. We are constantly buying entire stocks at Sheriffs and Receivers Sales.
CHICAGO HOUSE WRECKING CO.
West 35th and Iron Streets, CHICAGO.

EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....
THE CHAMPION VENTILATING APPARATUS
Catalogue is free. A postal with your name and address secures it. Address
COOLIDGE BROS., Florists,
So. Sudbury, Mass.

ESTAB. 1765
A. H. HEWES & CO.
NO. CAMBRIDGE MASS
L. I. CITY N. Y.
CATALOGUE FREE

The Bottomless Pot

Pat'd,
MORE ESPECIALLY FOR VIOLET AND CARNATION CULTURE,
ALSO

THOSE RED POTS

"Standards."
Azalea Pots, Fern Pots, Bulb Pans.

DETROIT FLOWER POT M'Y,
Established 1853. DETROIT, MICH.

P. O. Address, 490 HOWARD ST.
HARRY BALSLLY, Traveling Representative.
Please mention the American Florist when writing.

WHILLDIN POTTERY CO.
STANDARD
PHILADELPHIA - PA.

BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.

INDEPENDENT OF ALL TRUSTS, GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. **THE REED GLASS & PAINT CO.,** 456 W. Broadway, NEW YORK.
Please mention the American Florist when writing.

THE MODEL ROSE STAKE Looped and Pointed.

GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

LANCASTER, PA., June 17, '99.
MR. THERON PARKER,
Brooklyn, N. Y.:

Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900. Very Respectfully,
ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.,

226 North 9th Street,
BROOKLYN, N. Y.

THE MODEL PLANT STAKE for Lilies and all Pot Plants.



MY PICTURE AS A "KID."
(Presenting a rear view of a stern reality)

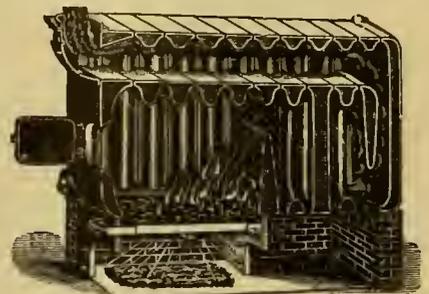
When I was young, you will observe, I was very backward; but I have got over that, and now come to the front claiming to have the best WATER HEATER, VENTILATING APPLIANCE and SASH HINGE for greenhouse purposes, that are in the market.

Furthermore, they are so simple in construction I can afford to sell them much cheaper than other styles.

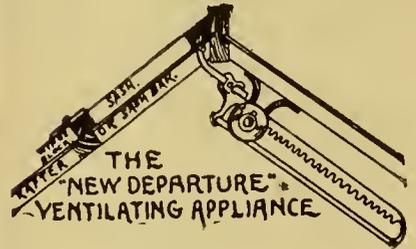
Now florists, don't be backward in sending for a catalogue. Remember, when you find you NEED a thing, the sooner you get it, the more you will have for your money, again I say "DON'T BE BACKWARD," but "keep up with the band wagon." Let me hear from you AT ONCE.

J. D. CARMODY, Evansville, Ind.

Please mention the American Florist when writing.



AMERICAN CHAMPION BOILER.





THE NEW Standard Ventilating Machines.

Always reliable.
Self-oiling.
Four Styles.
All warranted first-class.
Send for catalogue and see what first-class florists are using.

THE
E. HIPPARD CO.,
YOUNGSTOWN, O.



Please mention the American Florist when writing.

D. O. Cunningham
.....Glass Co.,
PITTSBURG, PA.

TANK WINDOW GLASS.
HOT-HOUSE GLASS A SPECIALTY.

Holds Glass Firmly

See the Point  FULL SIZE No. 2

The Van Ruyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

HAIL!
FOR INSURANCE AGAINST DAMAGE BY HAIL, Address
JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

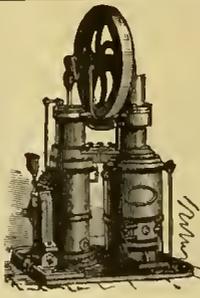
GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.



Water Every Day in the Year for Flowers and Lawns when

RIDER or ERICSSON HOT AIR PUMPS

are used. Nearly 25,000 sold during the past twenty-five years.

Send to nearest office for Catalogue "A 3."

RIDER-ERICSSON ENGINE CO.



28 Cortlandt Street, New York.
239 Franklin Street, Boston.
692 Craig Street, Montreal, P. Q.

Teniente-Rey 71, Havana, Cuba

86 Lake Street, Chicago.
40 N. 7th Street, Philadelphia.
22 A. Pitt Street, Sidney, N. S. W.



Valley Gutter and Drip Conductor, 54c per foot. Without Drip Conductor, 40c per foot.

Jennings Bros., GREENHOUSE DESIGNERS... & BUILDERS.

Mfrs. of and dealers in Greenhouse Specialties.

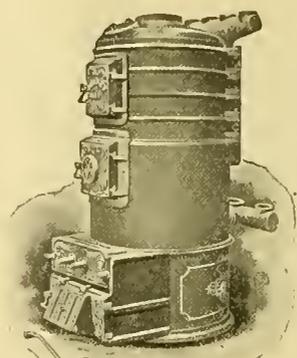
Patent Iron Bench Frame Fittings, Improved Cast-iron Gutters and Plates.

Send for Catalogue. **Jennings Bros.,** Oney, Philadelphia, Pa.

Index to Advertisers.

Advertising Rates.....204
 Allen J. K.....209
 American Hort.....206 11
 Amilng R C.....2 7 211
 Banner J L.....206
 Barnard W W & Co.. 1
 Baur S Alfred .. 1
 Bassett & Washburn.....207
 Bayersdorfer H & Co. 221
 Benedict Geo H.....43
 Bentley & Co.....207
 Berger H H & Co.....11
 Berning H G.....2 8
 Beaulien H.....11
 Binckena Die.....220
 Blanc A & Co.....219
 Robbitt & Atkins.....218
 Boston Letter Co.....221
 Boyd J H H.....212
 Brown Peter.....214
 Brown & Canfield.....213
 Brune H N.....11
 Bruce H W.....217
 Buabong J A.....2 7
 Bunyard II A.....206
 Burpee W Atlee & Co. 11
 Burton John.....211
 Butz W T & F P.....215
 Buxton Geo E.....216
 Caldwell the Wood-
 man Co.....2 6 218
 California Nursery Co 11
 Carmody J O.....223
 Chadwick Chas.....216
 Chicago Carnation Co 2 7
 Chicago House Wreck-
 ing Co.....222
 Cincinnati Cat Flo Co.208
 Cincinnati Floral Co.219
 Clark Wm A & Son.....2 8
 Clipper Lawn Mower
 Co.....221
 Cohen J M.....208
 Coles W W.....218
 Conrad & Jones Co.....219
 Conley John & Son.....221
 Coollidge Bros.....222
 Cottage Gardens.....11
 Crab & Hunter.....218
 Craig Robt & Son.....211
 Crouch Mrs J W.....215
 Cunningham Jos H.....219
 Cunningham D O
 Glass Co.....223
 Danley S T.....213
 Deamond J B.....206
 Detroit Flor Pot Wks 222
 De Lichtner A Cardon 11
 Dexter Lillian Allen. 206
 Dietsch A & Co.....224
 Dillon J L.....216
 Dornier Fred & Sons Co. 215
 Droser H A.....223
 Dunne & Co.....221
 Eastern Chemical Co. 220
 Elohholz Henry.....218 219
 Ernest W H.....222
 Ferguson John B.....208
 Finley Lawn Rake Co. 224
 Florida Nat Prod Co.....221
 Flugge Wm.....218
 Ford Bros.....2 9
 Foster Loolna H.....211
 Gardeners Chronicle. 220
 Gardening Co The.....220
 Garland Geo.....11
 Geller Sigmund.....221
 Ghormley Wm.....209
 Gibbons H W.....1 4
 Giblin & Co.....111
 Good & Reese Co.....213
 Gorton & Lumberwood 11
 Gullett & son W H.....213
 Gonther Wm H.....208
 Gurney Heater Co.....224
 Hagenburger Carl.....218
 Hall Ass'n.....223
 Hancock Geo & Son.....217
 Harvey W P.....217
 Heacock Joseph.....219
 Heias J B.....213
 Heller & Co.....11
 Hennecke C Co.....222
 Herendeen Mfg Co.....1 4
 Herr Albert M.....211 219
 Hermann.....221
 Herron Dana R.....216
 Hews A H & Co.....222
 Hillinger Bros.....222
 Hill E G & Co.....1
 Hippard E.....223
 Hitchings & Co.....1 4
 Holton & Hunkel Co. 2 6
 Hooker H M Co.....223
 Horan Edw C.....2 9
 Hort Adv.....220
 Hose Connection Co. 220
 Hunt E H.....207
 Inall Richard.....215
 Invald Appliance Co 21
 Jackson & Perkins Co. 2 2
 Jackson E B.....218
 Jacobs S & Sons.....1 3
 Jennings E B.....218
 Jennings Bros.....223
 Johnson & Stokes.....21
 Kasting W F.....208
 Keller Bros.....222
 Keller Geo & Son.....222
 Kellogg Geo M.....208
 Kenninot Bros Co.....213
 Kidd J N.....215
 Kliff Robert.....221
 Kroschell Bros Co.....1 4
 Knehn C A.....208

Kuhl Geo A.....219
 Lager & Hurrell.....219
 Lark W Rose Garden. 2 3
 Lang Julius.....2 9
 Ley John H.....2 9
 Limprecht S J.....209
 Lockland Lum Co.....220
 Long D B.....218
 Lonsdale E Wm.....218
 Lord & Burnham Co. 1 4
 Loven J H.....207
 Lucas J & Co.....111
 Lynch W E.....2 7
 McCarthy & Co N F.....2 8
 McFadden F C.....219
 McFar and John.....2 8
 McKellar & Winterson 207
 MacBean A S.....215
 Mader Paul.....219
 Marquisee L E.....213
 May I L & Co.....218
 Meyer John C & Co 221
 Millang & Co.....2 9
 Millang Frank.....209
 Model Plant Stake Co 223
 Moller's Gartner Zel-
 tung.....220
 Monner J C Co.....222
 Moon Samuel C.....213
 Moon Wm H.....213
 Moore, Hentz & Nash. 209
 Morris Floral Co.....211
 Moss Geo M.....2 8
 Murphy Wm.....217
 Murray Jas C.....217
 Myers & Co.....224
 Neessen Leo.....208
 Noenne & Hoepker.....11
 N Y Cat Flower Bx.....209
 N Y Cat Flower Co.....219
 Penock Saml S.....208
 Perry Taylor & Co.....212
 Pierce F O Co.....111
 Pittsburg Cat Flo Co. 206
 Pollworth C C Co.....216
 Prince A G & Co.....207 218
 Ritchard J N.....215
 Quaker City Wm Was 111
 Quinlan P R.....217
 Randall A L.....207
 Rauth Carl.....213
 Raynor J I.....209
 Reed Glass & Paint Co 222
 Reed & Keller.....221
 Reiser & Sons.....220
 Reinberg Geo.....207 217
 Reinberg Peter.....207 216
 Retzer Walter & Co.....1
 Rice M & Co.....221
 Rider-Ericsson Eng Co 223
 Rodgers Alex.....11
 Rolker A & Son.....11
 Rose Mfg Co.....221
 Rupp John F.....219
 Sabransky W.....215
 Sander & Co.....219
 Schafer Mrs A M.....216
 Schenk S C.....216
 Schillo Adam.....1 4
 Schmidt J C.....210 11
 Scollay John A.....111
 Sheridan W F.....2 9
 Siebrecht & Son.....205
 Situations & Wants.....220
 Sigmund Dip Co.....219
 Smith Nath & Son.....219
 Smurthwaite C A.....1
 Produce Co.....11
 Soltan C.....217
 Souster Geo.....217
 South side Floral Co 218
 Stahl Cha B.....2 8
 Stearns Lumber Co.....11
 Stoothoff H A & Co.. 11
 Storrs & Harrison Co 212
 Styer J J.....217
 Snydam J A.....216
 Sutherland Geo A.....208
 Swahn Pottery Mfg Co 222
 Tesson Rolt F.....219
 Thorburn J M & Co. 210
 Tucker F B.....215
 Tobacco Warehousing
 and Trading Co.....220
 Trasky & Schenk.....2 9
 Vall Reed Co.....221
 Van Wert Greenh'es.....218
 Vaughan's Seed Store
 210 213 215 11
 Vick's Sons Jas.....11
 Vincent & Son.....219
 Yredenborg & Co.....11
 Wabash R R.....11
 Watson G C.....212 11
 Weather's Sons
 Thos W.....111
 Weber H & Sons.....217
 Wood & H B.....11
 Welland & Risch.....208
 Welch Bros.....208
 Wettlin W A.....217
 Whildin Pot Co.....222
 Wickersham E & On 217
 Wister Bros.....207 216
 Witha Chas.....216
 Whitbold The Geo Co.. 1
 Wood Bros.....211
 Woodroffe & Bern-
 helmer.....205
 Wrede H.....11
 Yonah & Son.....219
 Young & Noyent.....209
 Young Thos Jr.....2 9
 Zirnlebel D.....211



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse

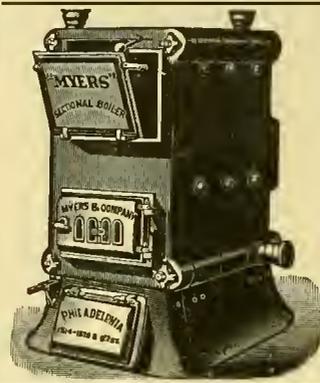
RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch, 111 Fillh Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.

GREENHOUSE MATERIAL,
 Cal. Red Cedar and Louisiana Cypress.
 BEST GRADES. PERFECT WORKMANSHIP.
A. DIETSCH & CO. 615-621 Sheffield Ave. CHICAGO, ILL.

Finley Rotary Lawn Rake.

Something New.



"PAPA! WE CAN RAKE YOUR LAWN."

THIS IS A CUT SHOWING THE

FINLEY LAWN RAKE

IN OPERATION

The mower and reaper succeeded the sower; the thrasher succeeded the flail—but never until now has a machine been invented to take the place of the antiquated hand rake. This machine has arrived. This is it. YOU NEED IT.

A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves and small loose litter of any kind, stones included, that a HAND rake would not touch. A man can rake three times as fast as with a hand rake. A CHILD can run it.

Just the thing to fight crab grass. It will save its cost in 60 days on any good lawn.

Send for Particulars.

FINLEY LAWN RAKE CO.,

PRICE \$12.00.

JOLIET, ILLINOIS.

CLINTON, N. Y.—A large consignment of hop vines was sent from this place last week to Newport, R. I. They were to be used in the elaborate decorations for two harvest dinners given by leading society ladies.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, SEPTEMBER 15, 1900.

No. 641.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901)
Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 32 PAGES WITH COVER.

CONTENTS.

Inventories for florists	225
The clematis	226
New polyantha rose Snowflake (illus.)	227
English horticultural auctions	227
Greenhouse ventilation	227
Hydrangeas as pot plants (illus.)	228
Cut flower packages	228
Flower show in Colorado	228
Aquatics in the District of Columbia (illus.)	228
New York	229
Philadelphia	230
Chicago	231
St. Louis	231
Orange, N. J.	231
American Carnation Society	232
Cemetery superintendents convene	232
Greenhouse building	232
Pan-American notes	232
Obituary—Geo. W. Gaskill	232
—William Saunders (portrait)	232
Catalogues received	233
Georgia	234
The seed trade	238
Boston	238
The nursery trade	240
Our pastimes—At Flatbush	242
Baltimore	242
Washington	244
Nashvill	246
Buffalo	248
Cleveland	250

Inventories for Florists.

ED. AM. FLORIST:—In the past few months much has been said in regard to the poor business methods practiced by the average florist. I am one of the average kind; but if some of those who are above the average will tell me how to improve my methods I shall be most happy to make the attempt. It is said that most of us are lax in the matter of reckoning the cost of our product. If we grow a variety of plants how can we figure the cost? Where one propagates most of his young stock is there any better way than to keep a record of the year's expenses and compare it with the annual inventory, and the year's inventory with that of the year before? Then, that matter of inventory? I was brought up in a business where it was the practice for the proprietor to take an account of stock on the last day of each calendar year. How can a florist do this? If he grows a general assortment of plants or if he grows only roses and carnations for cut flowers, how is he to estimate the value of his plants? What is a rose or carnation plant worth in a bench? Is it worth what the rooted cutting costs in the market or is it worth what one hopes to receive for the blooms and cuttings which it should produce? Then, what is the annual depreciation on a greenhouse establishment? Of course it varies. If houses are well built is there any depreciation the first year or two? Or would our "business method" friends estimate the life of a house at ten, twelve or fifteen years and charge depreciation annually in accordance therewith? Is there any better period of the year than the end of December for a florist's account of stock and, if so, why? If some of those who complain of florists' lack of method will go a little farther and tell what these methods should be, not in generalities but in detail, they will accomplish something practical toward a remedy for the shortcomings which most of us admit.

W. R.

The matters "W. R." refers to are, perhaps, the most troublesome and most difficult to solve of any which confront a florist. It may as well be admitted in the beginning that, so far as a general grower of plants and cut flowers is concerned, it is absolutely impossible to ascertain accurately, the exact cost of production of any one item. It is, however, feasible to obtain approximate costs, which will be sufficiently accurate for general purposes.

The best time for taking inventory and

figuring up the year's business would seem to be after the close of the spring sales and before the bulk of the planting for the next year has been done. A rose or carnation plant for inventory purposes should be worth the cost of the cutting plus what it has cost to grow it on and bench it.

The writer estimates depreciation on buildings at five per cent per annum. This is for well built houses, kept in first-class repair, all painting, repairing, etc., being charged to expense and not added to the inventory of buildings.

An experience of some fourteen years indicates in our case that the salvage, when rebuilding time comes, will make up for the amount not covered by depreciation. There are many greenhouse establishments on which ten per cent would not seem too much, while modern iron houses would depreciate much less—as to how much less, we must ask those having experience with them. Therepair bills will increase as the house grows older, but the depreciation should be charged at the same rate from the beginning.

Apparently there is no better way of finding cost than by the square foot of bench space. A rough and ready method would be to find the expense for the year and divide this by the number of square feet of benches. This, however, would spread the coal expense over the whole year and does not seem proper.

Certain expenses must, of course, be considered general, as, for instance, depreciation, rent, taxes, water, insurance, value of owner's time, pots, tools, fertilizers, bad accounts, etc. These may be distributed proportionately between the different months. Labor, fuel and similar items can be easily charged to the months in which they are used. It is, of course, possible to charge actual labor to each crop, but few general growers will follow this method long.

We then have the expense for each month in the year, from which the cost per square foot of bench for that month can be ascertained. By keeping track of the space occupied by any crop during each month, from propagating bench to sale, one can readily compute the approximate cost of that crop. Those who are large users of hot beds and frames will have an additional difficulty to confront. This method, of course, apportions the same heating cost and the same labor cost to all crops in any one month.

The writer can already bear, mentally, a host of objections raised to the above

and can only state in self defense that he does not claim to be "above the average," that he does not claim the method above suggested to be perfect, that he does not claim to have covered the ground in any thorough manner, that he has simply endeavored to indicate roughly to "W.R." the general lines on which he is working and that he distinctly "disclaims all responsibility for the crop" should "W.R." attempt to adopt and follow these methods.

W. N. RUDD.

The Clematis.

[Read by A. G. Jackman before the Horticultural Club, of London, Eng., June 19, 1900.]

This well known genus of the order ranunculaceæ derives its name from the Greek word klema, a vine branch, and is also known in this country by the familiar name of virgin's bower. The species, according to the "Index Kewensis," number about 240, which are to be found mostly in the temperate zones of both hemispheres, so, with few exceptions, are hardy in this country. Only one species, *C. Vitalba*, is a native of England, which is to be seen growing freely in chalky soils, rambling over hedges, bushes and hanging cliffs, covered each autumn with its profuse tufts of grey plumose fruits, which gained it the name of old man's beard.

Several other species are, however, familiar in our gardens—notably *C. Flammula*, *C. montana* and *C. Viticella*, whilst we occasionally find the following: *C. erecta*, *C. integrifolia*, *C. paniculata*, *C. graveolens*, *C. coccinea*, *C. patens*, *C. lanuginosa*, *C. Fortunei* and *C. Standishi*. This is, however, only a small list of species which, in my opinion, deserve more attention; it would take up too much time to go thoroughly into the list, but those which strike me more particularly are the pretty early spring-blooming *C. calycina*, with its small, bell shaped, yellowish-white flowers, marked inside with purplish spots; *C. alpina* and *C. Sibirica*, the blue and white species from the alps and mountains in Siberia respectively, so useful for the rockery, rootery, or pillar; *C. campaniflora*, with its fragrant small white or purplish-tinted flowers in June and July; the small yellow-flowered *C. Wilfordi*, which blooms profusely in August and September; *C. lathyriifolia*, the herbaceous perennial which produces its small white flowers in loose corymbose panicles from June to August; and the sweet-scented Chinese species, *C. Davidiana*, with its tubulose or hyacinth-shaped flowers of bright blue disposed in elegant clustered heads during the month of September.

For size and beauty the species are mostly far surpassed by the hybrids, which have been mostly obtained from *C. patens*, *C. lanuginosa*, *C. Fortunei* and *C. Standishi*, the last three being sent over by Fortune from China in 1851.

The first person to commence the hybridization of the clematis in a systematic manner was Mr. Anderson-Henry, of Edinburgh, who, in 1855, crossed *C. patens* with *C. lanuginosa*, from which he obtained *C. Reginae*, though, I believe, the honor of raising the first hybrid must be given to the late Mr. Henderson, of Pine Apple Nursery, who sixteen years previous to the aforementioned date, raised *C. Hendersoni*, but whether it was an artificially produced or chance hybrid I am unable to say.

The next person to take up hybridization was my father, who, in 1858, raised the still popular *C. Jackmanni*, which he followed up with many other varieties still

in cultivation up to 1877. We are also indebted to Charles Noble, Cripps & Son, Simon Louis, Lemoine, and many others for several fine forms, though from 1877 to 1894 successful hybridization appears to have been almost at a standstill. This, I believe, was due to two causes; firstly, the want of using fresh blood, secondly, to the insidious dying off with which the clematis has been affected for so long, rendering hybridization not only disappointing but almost useless.

I am pleased, however, to be able to now inform you, after several years close study and experiments, that I have been able to a great extent to avert this calamity, the losses at Woking being now comparatively small, and these it would be obviously unfair to attribute



THE LATE WILLIAM SAUNDERS.

entirely to the so-called dying off. I have noted from time to time the different opinions that have been given as to the cause of this "dying off," some persons believing it to be caused by injury from frost, some attributing it to too much nourishment, water and heat, some considering it to be brought about by the bursting of the cells through excessive moisture, while others think it is caused by eel worms or fungus, and also to grafting. There is no doubt that frost is the cause of some deaths, and too much water and had drainage of others, but I cannot agree with them that either of these is the sole cause of all the losses. My experience is that the plants mostly succumb during the summer months when the ground is driest and the sun has most power, and in the majority of these cases I could not detect any sign of the plants having had too much nourishment or water, or that the drainage was bad.

With regard to insects and fungus, I have often noticed them in the decayed part some days after the branch failed, but not in the first stage. I have often seen eel worms in knobs formed on the roots, more especially of the common *C. Viticella*, but I have never seen this species go off in the same way as the hybrids, so I cannot attribute the cause to them, though they are no doubt very injurious to the plant.

I have frequently examined the roots of the hybrids which have died down,

and in most cases they appeared perfectly clean and healthy, the decay having started at or above the graft, and the plant has often shot up again from the base, sometimes only to die down once more. Grafting also cannot be put down as the direct reason, as plants on their own roots go off in the same manner.

I do not think, however, that *C. Vitalba*, which is so generally used as a stock, is entirely suitable for some of the large flowering hybrids. The roots differ from those of the latter, being of a hard, wiry character, the hybrids appearing, after they have had sufficient time to get established on their own roots, to ignore the stock, which eventually decays.

Reverting again to the dying off, I am of the opinion that it is mainly due to loss of constitution through over propagation, which has been brought about by the great popularity of, and consequent demand for the hybrids, and being of a soft succulent nature, have responded only too freely to the treatment. My other reasons for coming to that conclusion are, as already mentioned, that the plants mostly go off on the hot, bright days of summer, and in many cases after having made several feet of growth, and are forming the flower buds, which seems to me to imply that they are wanting in vital power, and are unable to withstand the extra call upon their strength and the extreme heat. If it is not loss of constitution why was the dying off not noticed twenty-five years ago, and why has it increased of recent years, not only in this country but on the continent, and how is it we do not see the rampant, robust growths of former years? Again, it seems strange that whilst the large hybrids have been so badly affected, I have never seen *C. montana*, *C. Flammula*, *C. Viticella*, or *C. Vitalba* collapse in the same manner, unless my contention is correct that over-propagation is the cause. I might also mention I have not yet seen signs of the dying off amongst the new hybrids from *C. coccinea*.

As a decorative plant the clematis is almost unequalled. Few climbers can surpass it for covering a wall or porch of a house, or training over trelliswork, commencing with *C. montana* early in May, and followed throughout the summer and autumn by the large hybrids of the *patens*, *florida*, *lanuginosa*, *Viticella*, and *Jackmanni* types. To these must be now included the new *coccinea* hybrids, *C. Countess of Onslow*, *C. Duchess of Albany*, *C. Duchess of York*, *C. Grace Darling*, and *C. Sir Trevor Lawrence*, which, with those of the last type, remain in bloom till frost comes.

The clematis is also at home planted out or grown in pots, in the conservatory, cool greenhouse, or glass corridor, if the situation is not too shady or confined. Those of the *patens* or *florida* types are often more appreciated in these positions than when grown out of doors, coming into bloom as they do at a time when flowers are somewhat scarce, through escaping the May frosts which sometimes spoil those growing outside. Rambling up pillars and poles, over rootery or rockwork, they are alike elegant, and when bedded out produce a most gorgeous effect; but when this is done it is desirable that those of the *Viticella* and *Jackmanni* types should be selected on account of their profuse blooming properties. Some of the smaller flowered species, such as *C. Flammula*, *C. graveolens*, *C. montana*, *C. Vitalba*, or *C. Viticella* are also quite in keeping with wild scenery when scrambling over ruins, arbors, tree stumps, banks, hedges and bushes,

whilst several of the herbaceous and sub-shrubby species and varieties are worthy of a place in any herbaceous or mixed border.

New Polyantha Rose Snowflake.

Here is a dainty new seedling produced by crossing Clotilde Soupert and Paquerette. It shows no trace of the Clotilde Soupert parentage excepting in floriferousness, which is almost continuous throughout the year. It is dwarfier than Paquerette and of the same pure white color. Its extreme dwarfness adapts it for growing in pots, pans or jardinières as table plants, and as such the plant shown in the illustration was greatly admired. If cut when in bud almost every flower will open perfectly. The contrast between the delicate, pale-rose center of the bud and the small, pure white flowers is very pleasing. As a bontonniere, nothing could be daintier. There has been a great demand since the introduction of the baby primrose for plants grown in 6-inch and 8-inch pans and this new dwarf rose is especially adapted for that purpose. As a dwarf edging plant for the garden, we doubt whether any other rose could be more suitable. The tallest bud or flower in the illustration is not quite seven inches above the pan. This rose originated with Albert Knapper and is being introduced by A. Blanc, of Philadelphia.

English Horticultural Auctions.

This is auction week and it has become quite an important horticultural event in London. I hear it questioned whether these sales are good for the trade generally, yet year by year they increase in importance and, whatever may be said against them, the net result must be satisfactory to the growers. There are now many provincial florists who devote their houses to tomatoes and cucumbers and depend on these sales for a stock of plants for winter use and those who grow especially for the annual sale clear an immense quantity of stock. Many of the buyers could not turn over the stock at a profit if they had to pay ordinary trade prices.

Heaths are among the most important items of these sales and the weather this season has been very trying, though I hear they are generally quite up to the usual standard. Genistas, bouvardias, hydrangeas, roses, solanums, ampelopsises, ivies, clematises and ferns are the most important classes of plants offered, though some of the auction catalogues include a great variety of other plants, among them some novelties. I have seen the competition at these sales so keen that prices have gone beyond the ordinary quoted price, but of late years it must have been something very special to create anything like competition, the buyers simply waiting for the first lot to be knocked down and then claiming the following lots at same prices.

B. Mallar & Sons, of Lee, London, S. E., were among the first to institute these annual trade sales and it may be of interest to note that at the present time theirs is still one of the most important, if not the most important, of the week. I have had the privilege of going through their nursery to-day, and I was much struck with the stock to be offered, all being of good quality and having a fresh, clean, healthy appearance. Many thousands of heaths, well set with bloom, are ready. Boronias are another great feature, elatior, megastigma and hetero-



BLANC'S NEW ROSE, SNOWFLAKE, IN 6-INCH PAN.

phylla being the sorts grown. Genistas and solanums were equally worthy of notice. A host of other subjects might be mentioned, but I ought not to pass over the zonal pelargoniums, a few of the most approved sorts being grown specially for winter flowering. I noted Madame Charratt, a fine salmon shade, and of better habit than King of Denmark. Other good sorts are Gustave Eurick, vivid scarlet; Violet Daniels, scarlet with a shade of salmon on lower petals; La Cygne and Hermine, both good whites. H.

Greenhouse Ventilation.

[An extract from a paper by Robert W. King, read at the meeting of the Canadian Horticultural Association, Montreal, July 16 and 17.]

In regard to ventilation, the requirements for greenhouse work should be better understood by the grower than by the engineer. It is the latter's duty only to incorporate into his machine, if automatic, such action, under varying conditions, as the grower may dictate. If his machine is not automatic he has simply to construct such a mechanism as will be the most easily, with due regard to the expense of installing it, open and close the shutters at the will and by the effort of an operator.

When undertaking to construct an automatic ventilating apparatus for greenhouse work it was stated to the writer that the requirements of the grower are a more even regulation of the ventilating shutters than can be obtained by human attendance, the machine to be capable of maintaining any desired temperature within a variation of not more than about 4°, and to give, also, a graded movement while

acting within the limit referred to. Any erratic action of shutters, such as being put up too high, to be lowered again too low when the fall in temperature occurs, that must then naturally take place, causes drafts and alternate overheating and chilling of plants.

The machine must pull down as well as hold up the shutters. In carrying out this latter point in Brampton it was found advisable to introduce a spring in each connecting rod to the shutters, so that should a piece of ice or other obstacle be in the way of any individual shutter closing, the others could close and, in the case of ice or snow being in the way, the continued pressure of the closing shutter would eventually succeed in thawing it out, when this shutter would automatically and individually close.

In principle the mechanism consists of a double action hydraulic ram operated from the water pressure, required in greenhouses for watering, to actuate the shutters controlled by a delicately constructed double acting and graduating valve which is itself operated by a powerful thermostat moving its operating finger to and fro as heat changes occur.

There are times in the season when heat may be out of houses, when it is desirable that shutters should not entirely close at night, since in such case dampness and mildew might result. Under such conditions a stop is arranged to prevent an entire closing of shutters to any desired limit.

The introduction of automatic ventilation in the Brampton plant was simply a natural following of a leading mind, and whose absence to-day is mourned as that of a brother who has departed and

gone before to that rest to which we all are hastening, whose aim was in accord with advanced and ever advancing minds engaged in solving such economic problems as further the best interests of the human race. For him the best was not too good, while every detail of his business was carried out with that thoroughness of which the success that followed his efforts speaks. For him it was enough that ventilating shutters could be better and more economically operated by an automaton than by human attendance, resulting in his having installed to date some fifty-two automatic machines in the Brampton plant referred to.

The advantages of automatic ventilation are obvious. Muscles of iron grow not weary of their task. They sleep not, and never forget. Like a clock keeping track from day to day of the fleeting of time, so automatic regulation is always prepared for operation. It may apparently sleep through the winter months, but it starts into action with the first peep of spring. It bows its head to passing clouds and closes out the chilly winds, effectually relieves the grower of one more care, and asks no pay for its services other than the small amount of water under pressure required for its operation.

Hydrangeas as Pot Plants.

The hydrangea has enjoyed an extended popularity this season, particularly among florists, both as a cut flower and pot plant, but it is in the latter direction that their greatest usefulness lies, well

abundantly every day. Keep the soil well cultivated, every third week drawing a little soil toward the crown of the plant to encourage root action near the surface and at the same time to protect the roots. In late September pot up with heavy, rich loam and place in partial shade until they have recovered from the lifting; then give full sun, setting the pots on bricks to ensure good drainage. After the plants lose their foliage naturally place them in a cold frame, watering only once a week. At the end of December bring into the greenhouse and place under a bench where there are no heating pipes; keep dark and syringe overhead until buds begin to swell. When two leaves are well developed bring to light and, feeling sure of good drainage, soak them well. Allow them to nearly dry out and then water moderately. In a week or so give a weak solution of lime water and soot, a 5-inch pot of soot and the same quantity of air-slaked lime to twenty-two gallons of water, which has stood for three weeks before using. Every other week give liquid cow manure and use these two fertilizers alternately until the flowers begin to show color; then cease entirely. My opinion is that liberal summer treatment in the way of abundance of water, etc., is the secret of successful hydrangea culture.

When grown in tubs the treatment must be somewhat different from that which pot plants receive, as it is customary to leave them undisturbed for several years. One grower makes it a practice to care for lawn plants for his customers, removing the tubs to his placet for winter

Joseph Meehan, of Philadelphia, states that while the opinion is quite general that pruned plants will not flower, terminal buds being required, the opinion is in error. He agrees that a terminal bud is more likely to bloom than a side one, but has some fine plants which made large trusses, every one of which were from side buds.

Cut Flower Packages.

Visiting the greenhouses of Wm. K. Harris, Philadelphia, after the convention, I was much taken with a lot of stocky, erect Boston ferns and the idea suggested itself to me that the cut flower men could utilize the sword-like fronds in decorating the lids of their cut flower boxes, say three to five leaves grouped together, and sealing the same with ribbon and wax, which would ensure first view of the contents by the recipient of the package.

The average box of cut flowers is put up with about as much care and artistic effect as a basket of potatoes from the market house. When a person pays a good price for roses, he naturally expects to have them artistically packed. Many good ideas of packing could be learned from the French artificial flower dealers, both in packing and the handsome appearance of the package, and surely unless more attention is paid to detail the advance of the business of the retail florist will be very slow. J. M. W.

Flower Show in Colorado.

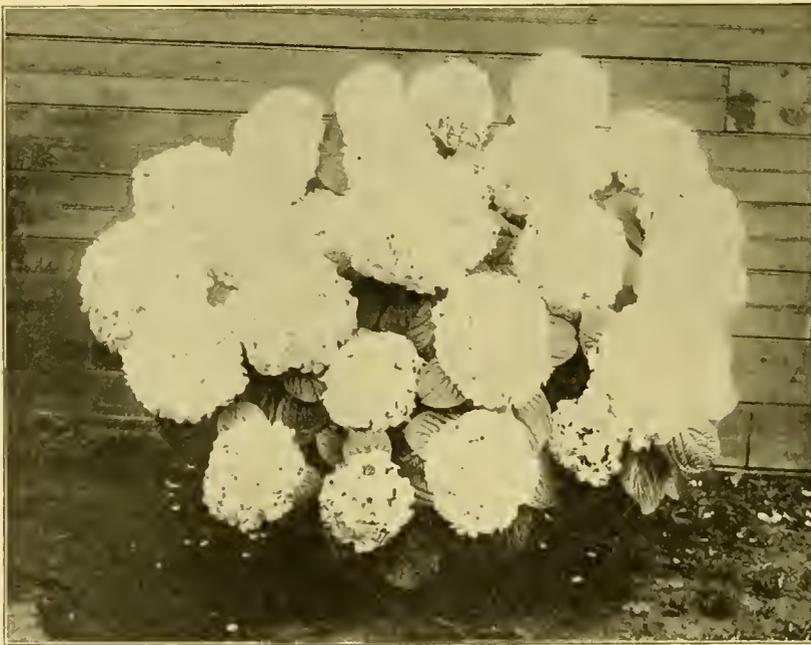
The second annual flower show of the El Paso County Horticultural Society was held in Colorado Springs, August 23 and 24, and was in every way a pronounced success. There were over 1,000 exhibitors, and the exhibition tent was crowded from the opening to the close. As an index to the work carried on by this society it is stated, that 2,000 collections of flower and vegetable seed were furnished by Messrs. R. & J. Farquhar & Co., Boston, Mass., for distribution among the school children, the children signing receipts for the seed and agreeing to exhibit the product at the flower show. Ten prizes were offered by the society for each variety of flower and vegetable grown from these seed, ranging from \$5 to 50-cent and 25-cent California gold pieces. There were prizes for many other accomplishments.

The work for next year is already being outlined, and will be carried forward upon a much wider scope; but the first aim of the society is to interest the children in the growing of flowers, vegetables and fruits, and the care of their home surroundings. H. I. Bennett is secretary. H. C. H.

Aquatics in the District of Columbia.

There are few finer aquatic gardens than those at Twin Oaks, Woodley Lane, the country home of Mrs. G. G. Hubbard, of Washington, D. C. Peter Bisset is the gardener in charge. All the well known nymphæas are at their best there just now, such varieties as N. Devoniansis, rosy red; N. O'Marana, pink, N. dentata, largest white; N. Zanzibarensis, blue; N. Zanzibarensis roseum and N. Zanzibarensis cœrulea, much brighter than the type. The best of the hardy ones are N. candidissima, white; N. Marliacea rosea, pink; N. odorata Luciana, pink; N. Marliacea chromatella, yellow.

Mr. Bisset has some choice seedlings, the most striking of which is the result



HYDRANGEA IN A 12-INCH POT, GROWN BY EDW. W. COX.

flowered specimens of all sizes finding ready sale at Easter, and for lawn decoration a little later. The plant illustrated is a fair specimen of what may easily be accomplished with this subject. E. W. Cox, the grower, gives his cultural method as follows:

When through blooming prune back to within two eyes of last year's wood and plant out in a border rich in well rotted cow manure and bone meal. Water

storage and replacing them in the spring. He has several plants which have been undisturbed for six years. The plants are wintered in a cellar warm enough to necessitate withholding water, except a very little, all winter to prevent the plants sprouting. When the tubs are set in position on the lawn an inch or two of soil is raked off and replaced with fresh manure. Good drainage is provided and ample watering required.

of a cross between *N. dentata* and an unnamed seedling. It is an improvement on *N. dentata*, the petals being wider and shorter, forming a compact flower of good substance. A good pink seedling is a cross between *N. dentata* and *N. Sturtevantii*; it is an improvement on *N. O'Marana*, being deeper in color and without the white streak in the center of the petals. A seedling named *N. gracilis purpurea* is a cross between *N. gracilis* and *N. Zanzibarensis*, identical with *N. gracilis* in all points except color, which is deep blue.

Mr. Bisset esteems *Nelumbium Shiroman* as the best commercial variety thus far produced. It is large, snow white, very double and produces flowers freely on long stalks well above the foliage. It is said to be equally as hardy as the well known *Nelumbium speciosum*. The illustration herewith is a reproduction of a photograph, taken by Mr. Bisset, of a leaf and flower of *N. Shiroman*. P. G.

New York.

GALA MEETING OF THE CLUB.—CONVENTION COMMITTEE REPORTS RECEIVED WITH ENTHUSIASM.—HORTICULTURAL EXHIBITION AWARDS.—WELL KNOWN MEN ADDRESS THE CLUB.—REMARKS OF EUROPEAN TRAVELERS.—SOME GOOD EXHIBITS PROVOKE DISCUSSION.—WALLACE GETS A PURSE.—STATE OF THE MARKET.—PERSONAL DOINGS.

The meeting of the New York Florists' Club on the evening of Monday, September 10, was well attended and everybody was happy. Congratulations over the success that had attended the club's convention efforts were in order and as one sub-committee after another reported the completion of its duties well within the appropriation, the general report of the ways and means committee showing a safe surplus, enthusiasm ran high. President O'Mara made a brief address, recounting some of the events of the past month and drawing useful lessons and encouragement for the future. In referring to the special work of the various committees he said that all had worked so loyally that he would single out but one individual for especial commendation, Mr. Bogan, who had labored so devotedly on the unique and unparalleled decoration of the hall where the convention sessions were held. Mr. Herrington presented the report of the horticultural exhibition committee, showing that of fifty-nine classes provided for in the schedule there had been competition in forty-two. There had been twenty-five separate exhibitors besides a number of others who exhibited but did not compete. Together with the report he handed in two protests which he had received from parties interested. The settlement of these questions was promptly referred to a special committee consisting of Messrs. A. S. Burns, Theo. Roehrs, J. Bernie, D. Y. Mellis and W. B. DuRie who retired and later in the session brought in a report which was unanimously adopted, in which the protests were not sustained and the original awards by the judges were endorsed. The individual cash prize of \$100 offered by the club to the exhibitor winning the greatest number of awards in the various classes goes to William Duckham and the prize of equal value offered to the society whose members should win the most honors, goes to the Morris County, N. J., Gardeners' and Florists' Society.

J. C. Vaughan, of Chicago, being present, was called upon to address the



A LEAF AND FLOWER OF NELUMBIUM SHIROMAN.

meeting, which he did briefly, referring pleasantly to the recent rivalry between Chicago and Buffalo for the honor of the next convention and asserting that Chicago's lath string, once out, is never pulled back and that she is ready to receive and entertain the S. A. F. whenever that body decides to come. Mr. Campbell, of the Park Nursery Co., Pasadena, Cal, was also a visitor at the meeting and, being called upon, spoke appreciatively of the systematic and orderly methods observed in the convention management and of the courtesy and hospitality he had experienced everywhere in his eastern travels, expressing the hope that California might yet grow strong enough and enthusiastic enough to invite the national society to visit that state. Replying to an inquiry, Mr. Campbell gave some facts relative to the climate of California and the methods of irrigation practiced there because of the lack of rain at some seasons. This consists of surface irrigation mainly, so far, the cost of sub-irrigation, also the liability of the water pipes getting choked by small roots, having prevented any general adoption of sub-irrigation.

The next orator called up was Alfred Dimmock, recently returned from Europe, who told entertainingly of some of his experiences on the "other side." At the Paris Exposition, which he had visited for a few days, he noted that the stove and greenhouse department was not particularly successful although there were some good things, many of them quite new, in foliage plants that impressed him favorably. Crotons of the broad leaved type, he said, seemed to be most favored there, the reverse of what is true in this country. The outside department he characterized as very fine but of very limited extent. The great heat appeared to be a serious disadvantage to the exhibits, the trees and shrubs not having been planted long enough to get properly established.

F. L. Atkins also gave a very interesting narrative of what he had seen when abroad this season. He spoke enthusiastically of the planting in the parks and botanic garden of Liverpool. The

fuchsias, geraniums, cobæas and violas particularly impressed him. Of the many hollies used he had noted *Hodginsii* as especially strong and vigorous. The placing of boxes containing California privet at intervals along the sidewalks on the public streets and the general use of window boxes had pleased him particularly. Hawarden Castle, with its ancient oaks, Wolverhampton Park, with its wonderful growth of young trees, the subtropical bedding at Battersea Park and the magnificent evergreens at Kew were also mentioned. At the Royal Horticultural Society's exhibition, among the most promising things were a yellow canna, Lord Bobs, some superb hybrid delphiniums, and the roses, especially the tea scented varieties. His list of roses that appeared to greatest advantage included White Lady, Clara Watson, Clemence of Caledon, Killarney, L'Innocence, Jules Grometz, Marquis of Salisbury, W. J. Grant, Comtesse de Nordillac, Empress of Alexandria, Ernst Metz, Souv. d' un Ami, Hon. Edith Gifford, Meta, Muriel Graham, Sunrise, Maman Cochet and a semi-double *Rugosa fimbriata*, white, pencilled with pink. In France he had seen a new *bougainvillea*, a hybrid between *B. glabra* and *B. Sandariana*, said to be a continuous bloomer, hence of great commercial value. In Belgium he noted the luxuriance of the orchids grown in Belgian peat, the *odontoglossums* being marvelously fine.

On the exhibition table were several interesting exhibits, which the judges examined and reported upon, giving honorable mention to Bobbink & Atkins for *Bignonia radicans grandiflora*, for *Hibiscus Leopoldii*, for *Canna Crimson Bedder* and for *Ligustrum Ibo* compacta and to H. Beaulieu for a seedling white cactus dahlia. A brief discussion on dahlias was had in which C. W. Ward spoke of the necessity of abundant rains and the impossibility of getting good flowers in dry weather in this section, Mr. Vaughan endorsing this from his own experience in the west, also emphasizing the need of cool weather for good results. W. J. Stewart spoke in high praise of the *ligustrum*, of which the plant on exhibition was a dwarf com-

fact form, saying that if it should show the same good qualities of hardiness, floriferousness and general beauty exhibited by the type it would prove to be one of the best garden shrubs introduced in recent years, a view in which Samuel Henshaw coincided.

A committee consisting of Messrs. J. N. May, A. S. Burns, Alex. Wallace, W. J. Stewart and W. A. Manda was appointed to draw up and have suitably engrossed and framed, resolutions expressing to J. H. Starin the club's appreciation of his generosity on the occasion of the convention excursion to Glen Island. Mr. May, who shares with Mr. Henshaw the unlimited confidence and admiration of the convention ladies, presented verbally a resolution of thanks which a delegation of the fair sex on the Glen Island boat had instructed him to convey to Mr. Sheridan, the efficient chairman of the reception and entertainment committee on that delightful occasion. Mr. Sheridan accepted with characteristic modesty and was duly cheered, as was also Mr. Henshaw, who could not resist the temptation to recount the attention he had personally received from the ladies, regardless of nationality, age or other qualifications, on many recent occasions. Mr. Henshaw expressed his intention of entertaining the club, at its October meeting, with some reminiscences of his recent Porto Rican trip, with stereopticon illustrations.

A very pleasant and appropriate event was the presentation by President O'Mara to Alex. Wallace on behalf of the club of a purse containing \$100 in gold as a little token of appreciation of the faithful and conscientious work done by that gentleman in compiling and editing the beautiful souvenir volume of the New York convention. Mr. Wallace responded feelingly and was greeted with enthusiastic applause.

After the secretary had read the names of nine new applicants for membership the proceedings were turned over to the musical contingent of the club and with Mr. Cleary at the piano, songs were contributed by Messrs. Dimmock, Clucas, Butterfield, Plumb, Stewart and Schmutz the latter exhibiting a phenomenal range of tone and expression and such dexterous agility in puffing his cigar between phrases that the piano could not keep up with him. During the entire evening the entertainment committee was active and kept to the letter its promise of abundant refreshment, solid, liquid and smoky.

The wholesale people are much dissatisfied with market conditions at present. With the price on roses running along at a dollar or two a thousand there is not much in it to invigorate either grower or wholesaler and when it comes to gladioli and hydrangeas one cannot get many dollars' worth of the bulky stuff into any ordinary sized store at present values. Whether to stay at his post and make love to the Greeks or to go out among the growers to look over the prospects for the coming season is the problem that vexes the daily life of the commission man at the present moment. The wooing in either case may be expensive for him. In the continuous struggle for advantage over his competitors his ingenuity is severely taxed; summer gardens as an adjunct to the wholesalers' establishments are now a back number for this season. A new dress of paint helps a little and a good looking cashier is relied upon by some as a drawing card. J. K. Allen is trying the scheme of show cards on the walls announcing the advantages of trading there and another

wholesaler is seriously considering the furnishing of a special corner with complete outfit for the accommodation of Mr. Weir and his friends in their favorite game. Twenty-eighth street, which, for the past month has been almost impassible on account of relaying car tracks and repaving, is once more open for traffic and that interruption to business is over, but the buyers are still scarce. Mr. Carlin, of Thorley's is back again after a few weeks' recreation but can scarcely be called a buyer as yet. His part up to date is principally a thinking part and the responsibility of two stores for the season ahead seems to give his features a solicitous aspect that excites sympathy. Nothing of special note in flowers is seen in the daily receipts excepting cattleyas, which are beginning to appear in greater number than during the summer and are of superior quality.

Thomas Young, Jr., is making changes in the arrangement of his office that will be a decided improvement. Mr. Young's trip across the water appears to have done him good and there is a vigor and swing to his movements that point to an old-fashioned, aggressive campaign for the coming season. For the next few months the successful wholesaler will sleep with only one eye shut.

The floral department of the big industrial festival at Ridgewood last week was a great success. Messrs. Nilsson, of Woodlawn, and Marquardt, of Middle Village, were among the prize winners.

The Morris County Gardeners' and Florists' Society's fifth annual exhibition will be held at Madison, N. J., on November 7 and 8. Schedules can be obtained of C. H. Atkins, secretary.

John Muller, the Thirtieth street wholesaler, has not been seen in the neighborhood for a week. His consignors are looking for him, as they did not know he was going to retire from business.

A. Schultheis is building a very fine residence at College Point. All conveniences for entertaining the boys who come to admire the heaths will be provided.

Chas. Thorley has pulled out the entire old front of his new store at Fifth avenue and Forty-fifth street. When finished it will be a model establishment.

Mrs. Begbie, wife of James Begbie, formerly with Clucas & Boddington, died at the home of her mother, Mrs. Blancke, at Brooklyn, on September 9.

J. P. Cleary takes a rosy view of the immediate future for the plant auction trade. He has four outside sales already booked.

George Stumpp has returned, hale and hearty, from Narragansett Pier, where he has been summering with his family.

Cards are out for the wedding of Fred. W. Smythe to Miss Jessie Scott at Pelham Manor, September 20.

J. H. Troy has gone to Newport, where he reports having had a very satisfactory summer trade.

Jos. A. Manda is soon to open a new flower store in Summit, N. J.

Visitors in town: Miss E. Nussbaum and Miss Schoenhut, Buffalo, N. Y.; Eugene Wurst, St. Louis, Mo.; S. H. Moore and E. J. Morse, New Haven, Conn.

NEWTON HIGHLANDS, MASS.—A. H. Fewkes is adding a new and well built potting shed to his equipment.

WARREN, PA.—Daniel Offerle is planning some extensive improvements to his place, including a modern flower store. He has benched 3,500 rose plants and 11,000 carnations.

Philadelphia.

TRADE STILL VERY QUIET.—BOSTON FERNS IN LARGE SUPPLY AND VARYING QUALITY.—CRAIG'S NEW SHADING MATERIAL.—DOINGS OF THE GROWERS.—VARIOUS NOTES.

September 15 is upon us, but business has no more life than in the middle of July or August. We were thinking that a little more activity was about due, also a little cool weather, but it seems that we "have another guess," as boys say. Things are certainly very quiet, and with the exception of a funeral order now and then the boys have little to do. Most of the stores have fixed up a little and are ready when the people get back to take what little they have left. Prices are about as for the past few weeks. The best teas are \$3 to \$4; Beauties \$1 to \$2 per dozen. Asters 75 cents to \$1 per hundred; carnations, 50 cents to \$1.50 per hundred.

Boston ferns are to have an inning the coming season. Robert Craig & Son have an immense stock sprung as a surprise on the boys, from the "other place." They certainly are fine. W. K. Harris is also in the running, having found time the past summer, when he wasn't striking rubbers, to pot up several houses of the Bostons and these, like everything else he grows, are sure to be quick sellers. There is a little knack in growing Bostons. The best plants are not too long and have an abundance of broad fronds. There are quite a number of smaller lots about but in many of them there are not enough fronds to the pot, and what there are are too long and give the plant a straggly appearance. We know the good ones by sight, but just how it's done is beyond us.

At Craig & Son's carnation houses the newly planted stock is looking well. A new shading which is quick to put on and almost as quickly removed is made with lime and water. Whitewash is an old solution, but made in the old way it is very hard to remove. Air-slake the lime first, however, then mix with the water and apply with a syringe and you have a shading that will stand a heavy rain but will rub off with the slightest pressure.

Jacob Becker has returned from his European trip and is better satisfied with the country of his adoption than ever. He is going to open the eyes of some of the azalea growers when the new stock that he selected the past summer gets to flowering. He says he has something extra fine.

The Philadelphia Floral Store, Dunn & Co., proprietors, have removed from 614 to 618 Chestnut street, two doors above. They recently succeeded to the retail cut flower business of the Floral Exchange and report that they are well satisfied with the results of the past season.

Myers & Deserable, of Glenside, have rented the greenhouses lately occupied by Colflesh & Titlow near Chestnut Hill. This, in addition to their Glenside establishment, will give them greatly increased facilities. They make a specialty of small ferns for dinner table ferneries.

There does not seem to be as many chrysanthemums being grown for cut flowers as usual, although the over-supply will, no doubt, show up at the usual time.

Colflesh & Note have secured a permit to erect five greenhouses and a work shed at Fifty-fourth street and Kingessing avenue at a cost of \$2,000. The houses will be 20x100.

Chicago.

STATE OF THE MARKET.—TRADE SHOWS MANY VARIATIONS.—GOOD ROSES ARE SCARCE.—TOO MANY OUTDOOR FLOWERS.—PROSPECTS FOR THE EARLY FALL.—A BIG LOT OF CHRYSANTHEMUMS.—BUDLONG GOES AWHEELING.—PERSONAL DOINGS.—VARIOUS ITEMS AND VISITORS.

Trade has pursued the uneven tenor of its way again this week. For a fortnight or so business has had its ups and downs; one day brisk, the next day slow. Some dealers report things pretty fair; others find demand inadequate to consume supplies. There are still large quantities of outdoor material on the market, asters, lilies, gladioli, hydrangeas and a few dahlias and they cut deeply into the demand for roses and carnations. Beauties are abundant and are better in quality than the teas, although the average of the latter is steadily improving and some very decent stock is now obtainable. Here and there new indoor carnations are making their appearance but as yet they are hardly up to the quality of the outdoor stock sent in by careful growers. Greens are rather short in supply but are little in demand and wild smilax is now available.

The local people who have field grown carnation plants for market say that the demand is unprecedented and that those who have a reputation for good stock are selling out rapidly. Wietor Brothers, the Chicago Carnation Company and the Reinbergs went into this branch most heavily this year but there are a dozen others who had up to 80,000 more than they needed for their own houses and the season was so favorable that nearly everybody has large, healthy plants.

Flint Kennicott, who has grown gray watching the trend of public interest, is afraid that the flower business of the next eight or nine weeks will be cut into by the excitements of the presidential campaign, but he says that thus far since the great political conventions business has been rather better than usual in the summer and a great many florists do not agree that the campaign will make any great inroads upon sales or prices.

The great Armour packing establishment recently changed its power from steam to electricity, installing the finest power plant in the world and discarding seventy-two steam boilers and miles of pipe. Bassett & Washburn bought some thousands of feet of the pipe for heating their new houses and the Chicago House Wrecking Company took all of the boilers, big and little.

W. F. Hennig, who is with B. Schroeter at Detroit, was in town this week. He was a passenger on the F. & P. M. steamer which was so severely handled crossing the lake on Tuesday night and says that it was the worst experience of his life, an opinion in which all the passengers agree.

Poehlmann Brothers have planted ten houses of chrysanthemums. The plants are looking well and most of them are being grown for two blooms. This is two houses more than this firm had last year and is probably the largest lot which will reach the Chicago market.

J. D. Thompson, of the Chicago Carnation Co., has returned from the Adirondacks where he shot a deer the first night of his hunting expedition. This is Mr. Thompson's busy season, for he is superintendent of the Will County Fair which opens at Joliet on Tuesday.

Messrs. Rudd, of Mt. Greenwood; Simonds, of Graceland; Carter, of Oak-

woods; Scott, of Elmwood, and J. R. Haight and others were at Cleveland, O., this week attending the convention of the Association of American Cemetery Superintendents.

E. R. Tauch, with Walter Retzer & Co., and L. Gregor, with E. Weinhoerber, have leased the greenhouses on Berteau avenue and organized the Harms Park Floral Co. They propose to greatly enlarge the plant, growing carnations principally.

J. A. Budlong is well on the way to the east on his bicycle. He proposes to wheel to New York and there meet Mrs. Budlong, who will go down by train. They will be absent two months.

Kennicott Bros. Co. has just received a Heller mice proof case for storing its immortelle letters. Mr. Pieser saw the case at the New York convention and lost no time in placing an order.

W. J. Smyth has had plans drawn for a conservatory south of his store on Michigan avenue. It is to be a very swell affair, 25x38 feet with plate glass front and fancy cornices.

Chicago parks were never more attractive in September than they are this year; in fact old settlers say that vegetation was never before so green and fresh at this date.

Adolph H. Poehlmann, who is starting up with a fine range of new glass at Morton Grove, is planning to sell his product for himself down town.

G. H. Pieser went to Milwaukee Monday and found the boat about as badly crowded as the train was homeward bound from New York.

Edgar Sanders returned home this week, having had a highly enjoyable visit at Boston since the New York convention.

C. S. Stewart has returned from Omaha and is introducing Mrs. Stewart. They intend making their home here.

At Vaughan's Seed Store a large force is busy unpacking two carloads of Dutch bulbs received this week.

The Florists' Club will hold a preliminary meeting at McKellar & Winterson's at noon to-day.

C. L. Washburn has been journeying east on business this week, going as far as Pittsburg.

M. E. McCourt has opened a first-class flower store at the Hotel Plaza, 282 Rush street.

Arnold Ringier has been in bed two weeks with rheumatism but is now much improved.

Visitors: C. E. Mansfield and Mrs. Mansfield, Fitchburg, Mass.; Walter Mott, representing H. A. Dreer, Philadelphia; E. W. McLellan, San Francisco; Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia; T. C. Joy and Mrs. Joy, Nashville, Tenn.; the Mulick brothers, Grand Rapids; J. A. Evans, Richmond, Ind.; Geo. Souster, Elgin, Ill.; J. A. Valentine, Denver; J. F. Wilcox, Council Bluffs.

St. Louis.

BUSINESS SHOWS CONSIDERABLE IMPROVEMENT.—STATE OF THE WHOLESALE MARKET.—VARIOUS ITEMS.

The situation in this city as regards trade seems to be very uncertain, but as a whole retail business has certainly experienced a decided improvement during the past ten days or so. Funeral orders have been frequent and there have been a number of small weddings and some large decorations going on. The largest funeral ever seen in St. Louis was that of Benj. Brady. Scarcely a florist in town failed to get some good orders

for designs from the family and friends of the deceased. Last Saturday found the wholesale market cleaned out completely on all white stock. Asters are scarce and while there are some very fine ones the bulk of them are poor. Carnations are plentiful at from 75 cents to \$1 but show no improvement in quality. Among roses Meteors and Kaiserins are the best, the latter sort bringing the top price. Tuberoses still continue to pass through the wholesalers' hands at a brisk rate, but do not go above \$4 for double and \$3 for single.

The attendance at the club meeting was much smaller than it should have been. Mr. Guy was installed president and after the meeting took the members around to the Michelob, on Sixth street, and gave them a little "treat." It was decided by the trustees to name two members each month who are to read essays and they appointed Messrs. Schray and Fillmore to prepare papers for the next meeting. This is a move in the right direction and should bring out members who have been in the habit of staying away of late.

F. J. Foster opened a branch establishment last Monday at 510 Olive street, occupying the west end of the Morrison Jewelry Co.'s store, which makes a very pretty and attractive stand. It is reported that he will give up the present place at Eighth and Olive streets sometime after Christmas.

A new floral establishment is being erected at 4832 Delmar avenue, by Theodore Miller, for the sale of cut flowers and potted plants. There is not much competition in this neighborhood and Mr. Miller should do a good business. He will open about October 1.

Ostertag Bros. were quite busy last week with several decorations, the largest of which was that of the Globe Shoe & Clothing Co.'s store on Monday. About a thousand strings of laurel collected in West Virginia is one of the items of material used.

S. B. Dicks, representing Cooper, Taber & Co., London, visited here Monday; also B. Eschner, of M. Rice & Co., Philadelphia, and C. S. Ford, of A. Herrmann, New York.

John S. Kerr, proprietor of the Sherman Commercial Nursery, is in town getting matters arranged on freight rates on nursery stock from Sherman, Texas.

Orange, N. J.

It did not take long to complete business and get down to fun at the annual smoker of the New Jersey Floricultural Society, which was held on September 5. There was plenty of music and many songs of perennial popularity, here and across the Atlantic, were rendered in an acceptable manner by the musically inclined members present. The stars and shining lights of the aggregation were George Smith in "The Tinker's Wedding O!" and "My Dad's Dinner Pail," David Rose in "Bonnie Dundee" and Peter Duff in "Twenty Years Ago." The capturing of President Duff for this much appreciated favor was largely due to the persistence of John Hayes, who is irresistible and, for cajolery, unrivalled.

QUINCY, MICH.—A. B. Cole has found business so good that he is adding another house to his establishment.

TOUGHKENAMON, PA.—Robert Bancroft is preparing to add a new house to his plant between here and Kennett Square.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—8 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

GREENHOUSE repairs should now be
completed as speedily as possible.

STOCKS of field grown carnation plants
are rather smaller than usual and demand
is active.

CO-OPERATIVE coal buying has proven
successful in Chicago although the meas-
ure of co-operation was meagre.

REPEATED effort during the week has
failed to establish telegraphic communi-
cation with those of the trade at Galves-
ton, Texas. Floricultural interests there
are not small, there being some dozen
firms engaged, and their loss must have
been heavy in the great storm which
took thousands of lives and destroyed
millions of dollars of property.

ONE of our correspondents has objected
to the pipe clay, mentioned in our last
issue as a shading material for carnations,
etc., on account of its scarcity in
certain districts. This writer would
therefore do well to substitute air-slaked
lime, which is recommended by Robt.
Craig, of Philadelphia. Ordinary showers
of rain will not remove this shading and
it is easily rubbed off with a cloth when
dry.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

Registered by J. Howard Pyle, Willow-
dale, Pa., Carnation Lena, color a little
darker than Scott, size two and one-half
to three and one-quarter inches. Stem
very stiff and of good length. Very pro-
ductive and never bursts. Vigorous and
healthy; has been grown seven years and
gets better every year.

ALBERT M. HERR, Sec'y,

Cemetery Superintendents Convene.

The fourteenth annual convention of
the Association of American Cemetery
Superintendents was in session at Cleve-
land, Ohio, September 11 to 13. The
sessions were held in the assembly room
of the Hollenden Hotel and there was
the usual lengthy list of essays upon
topics connected with cemetery work,
interrupted for excursions to various
neighboring points of interest. The
attendance was satisfactory and the
officers elected were as follows:

President, George M. Painter, West
Laurel Hill Cemetery, Philadelphia; vice-
president, Frank Eurick, Detroit; secre-
tary-treasurer, H. Wilson Ross, Newton
Cemetery, Newton Center, Mass. Pitts-
burg was selected as the place of meeting
for 1901.

Greenhouse Building.

Avondale, Pa.—Enoch J. Cloud, one
house.

Philadelphia, Pa.—J. Koehler & Son,
two houses.

Orion, Mich.—Dungey & Son, one
house.

Louisville, Ky.—F. Walker & Co.,
house 18x80, one 20x80.

Canaan, Conn.—"The Maples," carna-
tion house 16x36.

Newtown, Pa.—W. T. Hillborn, house
35x85.

New York Mills, N. Y.—Mrs. Herbage,
conservatory.

West Newton, Mass.—Mrs. Mary
Bowen, conservatory.

Otter River, Mass.—Herbert Howard,
one house.

Kennett Square, Pa.—Wm. Swayne,
three houses.

Hartford, Wis.—C. B. Tremain, range
of houses.

Danvers, Mass.—B. F. Arnold & Son,
house 22x100.

Washington, D. C.—Botanic Garden,
propagating house 10x119.

Mountainville, N. Y.—H. Jacob, one
forcing house.

Rockland, Mass.—W. B. Arnold, one
house.

Quakertown, Pa.—Elmer Rawlings,
house 20x200.

Pan-American Notes.

Since my last notes great progress has
been made in every department. The
rains have had a very beneficial effect on
grass, trees and shrubs. A large area
that was, even in July, the most formid-
able of clay banks is now finely graded
and covered with grass as green and
smooth as the proverbial billiard table.
The nymphæas planted in numerous
pools in July are making a fine growth
and many of them are flowering. Mr.
Ulrich, the landscape gardener, is now
busy placing groups of herbaceous plants
on the margins of the shrubby borders.
Properly, he is not mixing up indiscrim-
inately a great many species, but is put-
ting groups of one species and variety
here and there. This is as our hardy
plants grow in the temperate zone, in
colonies and not a hundred species in a
few square yards, as we find in the trop-
ics. Mr. Ulrich has over 200,000 of
these herbaceous plants and they must
add immensely to the appearance of the
grounds next summer.

The Horticulture building is in course
of erection. The two conservatories
leading on the north and south to the
Forestry and Mines and Graphic Arts
are already completed and will be heated
so that they can be utilized by New
Year's. Many of the fine beds in the
grand court and the sunken gardens are
now assuming shape. The grading is
practically done in the esplanades and
the fore court and on the banks of the
cascades. The United States building
will soon be roofed in. This is a most
beautiful and imposing structure.

At the rear of the Government building,
just across the canal, the Agricultural
Department, under the direction of Prof.
J. Lamson-Scribner, and executed by Mr.
Ball, of Washington, has made an exhibit
of all the useful grasses of the United
States. The plot covers one and one-half
acres and every kind of grass used in the
states and territories, even to sand bind-
ers, will be found there. This exhibit will
be of great value to agriculturists and
Mr. Scribner informs me that the Depart-
ment has never made a similar exhibit.

The horticulturists of the country will
be pleased to hear that many large
entries have been received. Vaughan's
Seed Store, of Chicago, has about half an
acre devoted to an exhibit of lawn grass
on which there are half a dozen very fine
beds. Just at the north of that Peter
Henderson & Co. have a similar plot.
These are finely situated, being close to
the midway. By the side of the main
entrance is a similar exhibit by Henry A.
Dreer, of Philadelphia, and near by a
local firm, Whitney-Eckstein Co., have
another plot. F. R. Pierson, of Tarry-
town, has entered for a very large
exhibit of choice trees, shrubs and plants,
and numerous other firms have also
entered for exhibits.

Large beds of hardy roses located in
the music garden have made a most
excellent growth. They were planted
fully six weeks later than the proper time
but with good care they are going to be
a great success. This is very encourag-
ing, as it tells us what we can expect
from other exhibits when planted at the
proper time. Any doubts as to the expo-
sition being ready on time are now dis-
pelled. Every building is nearing com-
pletion and several of them can now be
seen from some of the railway lines enter-
ing Buffalo. It is pleasant to hear from
visitors who were well acquainted with
the progress of the World's Fair, that in
preparation in all departments we are
away ahead of that great institution.
Some enthusiastic horticulturists have
ventured to say that we "have the World's
Fair beaten already." This may sound
a little boastful, but mind, we did not
say it. I can only repeat that when
completed, and the 150 acres of Buffalo's
beautiful Delaware Park are thrown into
the grounds of the exposition, it will, in
point of beauty of landscape and archi-
tecture, be hard to beat.

WILLIAM SCOTT.

OBITUARY.

GEORGE W. GASKILL.

George W. Gaskill, of Warren, O., died
at Lakeview hospital, Cleveland, on the
night of September 7, as the result of an
operation to which he submitted four
days previously. For two years Mr.
Gaskill has been in failing health and
from a strong man of more than 200
pounds had slowly wasted away with
stomach trouble. He was born in 1853
in the house in which he has since resided.
Mr. Gaskill was a whole-souled, generous,
kindly man and leaves a wide acquaint-
anceship among the trade, mourning
with his wife, his daughter and his aged
mother.

WILLIAM SAUNDERS.

In the death of William Saunders at
Washington, D. C., on September 11, the
Department of Agriculture lost its senior
attache in point of service; the country
lost a landscape gardener who planned
the famed Fairmount Park, of Philadel-
phia, and who had spent the best years
of his life in adding to the beauty of the
capital city; the fruit-growing industry
lost a valuable helper—the man to whom
the introduction of the seedless orange
into the United States in its present great
commercial richness is due. Mr. Saun-
ders had been identified with the Depart-
ment of Agriculture since its organiza-
tion in 1862, and his work has covered
a wide range, as is shown by the numer-
ous volumes, published by the Depart-
ment, dealing with matters under his

charge. His official title was superintendent of the division of experimental gardens and grounds. Mr. Saunders was born in 1822, at St. Andrews, the oldest university town in Scotland. As a boy he worked under his father, for a part of the time in India. Going to London, at Kew, he formed the life-long friendship of Thomas Meehan, and for many years they were associated at Germantown. Mr. Saunders' first great work was laying out Clifton Park, an estate of 400 acres belonging to John Hopkins, the founder of the university of that name. This is now in the center of the city of Baltimore. Fairmount Park in Philadelphia is one of his most enduring monuments, although Washington is full of them, and dozens of places throughout the country have profited by his skill. The whole people are his debtor for the seedless orange, which he evolved in the experimental gardens of the Department of Agriculture, the work beginning in 1870. The original tree still stands in the garden. Last year 1,600,000 boxes of seedless oranges were shipped eastward from Riverside, Cal. Another of Mr. Saunders' accomplishments was the organization of the Patrons of Husbandry, or Grangers, which now has a membership of 350,000 farmers. He had been in failing health for some time and leaves a large family of grown sons and daughters. See page 226.

Catalogues and Cut Flower Price Lists Received.

Graham Bros., Ottawa, Ont., bulbs, plants, etc.; Peter Henderson & Co., New York, N. Y., bulbs, plants, seeds; Vilmorin-Andrieux & Co., Paris, France, seeds, plants, etc.; W. W. Barnard & Co., Chicago, Ill., bulbs, seeds, florists' supplies; Chicago House Wrecking Co., Chicago, Ill., miscellaneous catalogue; R. & J. Farquhar & Co., Boston, Mass., bulbs, plants, seeds, shrubs; F. T. Ramsey, Austin, Texas, seeds and buds; Williams & Sons Co., Batavia, Ill., wholesale florists' and nursery supplies; Wm. H. Harrison & Sons, Lebanon Springs, N. Y., ornamental trees, shrubs, herbaceous plants; E. C. Amling, Chicago, Ill., cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies.

CLAY CENTER, KANS.—C. Humfeld is remodeling his entire plant and bringing it into the best possible shape.

TOLEDO, O.—Crane Brothers who have been in business together for thirty-five years, have dissolved partnership, each continuing for himself with his sons in partnership.

HIGHLAND, N. Y.—F. E. Muchmore has leased the houses formerly conducted by Mrs. Moore and will devote them entirely to rose growing. Mrs. Moore has erected two violet houses in another location.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 73 E 26th St., Chicago.

SITUATION WANTED—By steady, reliable married msn. as gardener or florist. Private place preferred. H ROESITER, Westwood, Cincinnati, O.

SITUATION WANTED—By a good, all-around florist, capable of taking full charge of roses, carnations, general stock, etc.; best references. B H, care American Florist.

SITUATION WANTED—By special grower of roses, carnations and violets; single man; 30 years' experience. Good references. Moderate wages. Address JOHN GODWIN, Gen'l Del., Cleveland, O.

SITUATION WANTED—By experienced florist; S good grower of cut flowers and plants; capable of taking charge; 18 years in business; single; German. References: W. K. 107-1-9 North Wells St., Chicago.

SITUATION WANTED—An foreman, by a first-class grower of roses and cut flowers and general plantsman; single. A first-class place wanted. Best of references. Address GROWER, 249 N. 10th St., Philadelphia, Pa.

SITUATION WANTED—A foreman in a commercial establishment by a practical man of many years' experience; thoroughly understands all modern methods of culture. Well educated, temperate and not afraid of work. Chicago or vicinity preferred. Address X Y Z, care American Florist.

SITUATION WANTED—A practical all-around grower, age 27, single; 12 years' experience with the following: J. N. May, Summit, N. J.; John Rose, Cincinnati; West View Floral Co., Atlanta, Ga.; and B P Critchell, Cincinnati, Ohio. Refer to above as to ability, etc. Eastern or middle states preferred. GEORGE SAWYER, West Summit, N. J.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS B. BULL, Bakersfield, Cal.

WANTED—1 pint in good bearing mushroom beds for florists. Testimonials, etc. W. J. ARMSTRONG, Streator, Ill.

WANTED—A first-class rose grower, 10 take entire charge. Send references and wages wanted. EMIL GLAUBER, Montclair, Colo.

WANTED—A second-hand refrigerator; must be good and cheap. MISS FLICK, 33 West Berry St., Ft. Wayne, Ind.

WANTED AT ONCE—Experienced assistant in greenhouses. Good pay to the right party. Address G F, care American Florist.

WANTED—An assistant in commercial place; good propagator, etc. Address with references and wages wanted. GEO. SOUSTER, Elgin, Ill.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B, care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRoe Gardens, Memphis, Tenn.

WANTED—Florist for general greenhouse work. German, married man preferred; \$10 per week, steady place. Ad OTTO KLINGBIEL, Davenport, Iowa.

WANTED—Young man to assist in rose houses under foreman; must have some experience. Salary \$20 per month board and room. Address ADOLPH H. POEHLIANN, Morton Grove, Ill.

WANTED—Young man with some experience to work in greenhouses, roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address K, care American Florist.

WANTED—An experienced man as salesman and to assist in getting a location for a wholesale florist establishment. Address ADOLPH H. POEHLIANN, Morton Grove, Ill. Formerly of Poehlmann Bros., Morton Grove, Ill.

WANTED—Young man expert need in budding and grafting roses and in making soft wood cuttings of shrubbery. Steady employment, good wages. Must be ardent temperate. Apply to THE ELIZABETH NURSERY CO., 'or to GEORGE REEG, Supl., Elizabeth, N. J.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds, Barzilo. W. L. WYNN, White Hall Ill.

FOR SALE OR RENT—6000 feet of glass, in a live town; a good chance for an experienced man. Address A. C. COLLINS, Gl Barrington, Mass.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only \$500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—110 boxes 10x14 A double strength glass @ \$3.00 per box r. o. b. Chicago; \$2.50 per box on place unpacked. GEO. REINHERG, 51 Wabash Avenue, Chicago.

FOR SALE—Second-hand greenhouse boiler; first-class condition; will heat 4500 feet. Cheap if taken at once. B M & B W, 131 and 133 W. Superior St., Chicago.

FOR SALE—One-half interest in a greenhouse, good paying business, growing city of 25,000 in Wisconsin; very cheap on account of sickness. Address A D, care American Florist.

FOR SALE—An exceptional offer, if taken soon, in a good growing town of 18,000, doing a good business. Hot water heat, 400 feet of glass. Best of reasons for selling. Prices and terms right. B A B, care American Florist.

WANTED!

Good, reliable man to act as shipping clerk and growers' representative in one of the best established cut flower houses in Chicago. Good wages to right man. Permanent position. Must be capable and energetic. Address

W G R, care American Florist.

WANTED.

Good working foreman for range of eight greenhouses 20x100, near Chicago. Must thoroughly understand growing roses, carnations, mums and general bedding stock. A steady place for the right party. Address

A C E, care American Florist.

WANTED.

A good working gardener, to take charge of country place of fourteen acres. Man is wanted who is familiar with hardy plants and shrubs and vegetable gardening; no greenhouse on the place. Must be capable of improving grounds in accordance with plans furnished. State wages desired and whether married or single. Address

J. WILKINSON ELLIOTT.

Landscap Architect, Pittsburg, Pa.

FOR SALE OR RENT

Greenhouse, 5000 feet of glass, steam heating, Market Garden, Ten Acres, six-room Dwelling, Barn, etc., adjoining thriving town of 3000, on St. Joe and Grand Island Ry.

H. SCHMALZL, Marysville, Kans.

FOR SALE

With 10 Year Lease,

One of the best places in Chicago.

This is a rare opportunity; if you have some cash, talk it over with me.

T. J. CORBREY,

1409-1411 W. Madison St., CHICAGO.

FOR SALE

240 acres of land on Isthmus of Tehantepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,

846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE, The McKellar Floral Establishment AT CHILLICOTHE, OHIO.

Consisting of 1.16 acres land, located inside the city limits, on which are located thirteen greenhouses, all in first-class condition and well stocked with roses, carnations, palms, and general line of potted plants of all kinds. Natural gas fuel, steam heating apparatus throughout; four acres additional adjoining property if more required; divided to suit. Business established over forty years. This is the best floral establishment in southern Ohio. Population of Chillicothe 15,000. For further particulars address

SILAS F. GARRETT, Executor Chillicothe, Ohio, or CHAS. W. MCKELLAR, 47 Wabash Ave., Chicago.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

IT IS GOOD BUSINESS POLICY TO MENTION THE AMERICAN FLORIST WHEN YOU WRITE TO AN ADVERTISER.

Peoria, Ill.

There has been quite a little funeral work here lately but otherwise there is little done in the cut flower line. All the growers have their carnations in and they are working well, although the plants are not large. Kuhl, of Pekin, has quite a lot of Ethel Crocker which are fine. Mrs. Joost is better than Scott with him.

C. Loveridge is carrying over his old plants of tea roses with a few old Beauties, also. They are showing very fine flowers and promise well.

There are quite a good many chrysanthemums in pots grown this year and most of them are very good.

PEORIAN.

Wholesale Flower Markets

CINCINNATI, Sept. 13.

Roses, Beauty	4.00@15.00
" Bride	2.00@ 3.00
" Bridesmaid	2.00@ 3.00
" Meteor	2.60@ 4.00
" Perle	2.00
Carnations	.75@ 1.00
fancy	1.50
Tuberases	3.00@ 4.00
Asters	.75@ 1.50
Lilies—Album and Rubrum	4.00@ 5.00
Lily of the valley	3.00@ 4.00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Asparagus	50.00

St. Louis, Sept. 13.

Roses, Bride, Bridemaid	2.00@ 4.00
" Beauty, 10 to 15 inch stems	4.00@ 6.00
" Perle	2.00@ 3.00
" Meteor	2.00@ 4.00
" Kaiserin	3.00@ 5.00
Carnations, common	.75@ 1.00
Smilax	12.50
Adiantum	.60@ 1.00
Tuberases	3.00@ 4.00
Asters	1.00@ 2.00

MILWAUKEE, Sept. 13.

Roses, Beauty, long, per doz.	2.00@ 3.00
" " med	.75@ 1.50
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	4.00@ 6.00
" Kaiserin	4.60@ 6.00
" Golden Gate	4.00
Carnations, ordinary	1.00
" fancy	2.00
Auratum lilies	15.00
Adiantum	.75@ 1.00
Common ferns	.25
Asters	.50@ 1.50
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, Sept. 13.

Roses, Beauty, fancy	20.00@25.00
" " extra	10.00@15.00
" " No. 1	5.00@ 8.00
" " culls	2.00@ 4.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations, ordinary	.50@ 1.00
fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Gladiol.	3.00@ 5.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00
Sprengerii	.25@ .35
Dagger ferns	per 1000, 2.00
Asters	.50@ 2.00

DENVER, Sept. 12.

Roses, Beauty, select	12.50@20.00
" " ordinary	4.00@ 8.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	4.00@ 5.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 2.50
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Sweet peas	.20@ .30
Asters	1.00@ 2.00
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Ferns	.30

Now Prepared to supply
CALDWELL'S Wild Smilax

In any quantity, on short notice.

Roses, Carnations, Asters, Etc.,

As good as the market affords.

Call on us for what you may need.

FANCY FERNS, \$1 per 1000.

J. B. DEAMUD,
51 Wabash Ave., CHICAGO.

Everything in the

CUT FLOWER

line.

and a complete line of

WIRE WORK,

the kind that will give satisfaction.

FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,

P. O. Box 103.

Milwaukee, Wis.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS PITTSBURG, PA.
Liberty Street, IN SEASON.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD, 42 WEST 28TH STREET, NEW YORK.

NEW CROP Southern Wild Smilax

Now ready for shipping. Write for SPECIAL LOW PRICES.

Address

R. A. LEE, Evergreen, Ala.

New Galax.

GREEN GALAX	\$.50 per 1000
CUT FERNS	.60 "
LEUCOTHOE	3.60 "

Cash with first order. Satisfaction guaranteed.
J. N. PRITCHARD, Elk Park, N. C.

Southern Wild Smilax.

NEW CROP NOW READY.

Caldwell The Woodsman Co. Inc.

Also J. B. DEAMUD, CHICAGO, ILL.,
L. J. KRESHOVER, New York, N. Y.,
M. RICE & CO., Philadelphia, Pa.,
THE VAIL SEED CO., Indianapolis, Ind.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give It a trial.

...The American Florist.

SHIPPING ROSES.

Just at present the best shipping rose is the Beauty; true, we are receiving some good Brides, Maids and Meteors, but there are more good Beauties, and many buyers are giving them the preference because they are not only good, but cheap.

Whatever you need, we can supply it; give us your order; all flowers in season; everything billed at lowest market rates.

E. C. AMLING,

Wholesale
Cut Flowers,

32-34-36 Randolph Street,
CHICAGO.

Please mention the American Florist when writing.

McKELLAR & WINTERSON

45-47-49 Wabash Ave.

.....CHICAGO

Just Received:

A fine lot of Calla Lily Bulbs.
Select, 1 1/4 to 1 1/2-in. diam., per 100, \$5.00
" 1 1/2 to 1 3/4 " " " 7.00
" 2 to 2 1/2 " " " 9.00

FRENCH **Bulbs** ALL
DUTCH **Bulbs** KINDS

A full line of all Florists' Supplies.

Please mention the American Florist when writing.

CUT FLOWER PRICE LIST.

	Per 100
Beauties, long	\$20.00 to \$25.00
" medium	10.00 to 15.00
" short	6.00 to 8.00
Brides, Maids	3.00 to 5.00
Perles and Meteors	3.10 to 5.00
Carnations	1.00
Asters, good	.75
" fancy	1.00 to 1.50
Gladioli	2.00 to 3.00
Valley	4.00 to 5.00
Lilies	10.00 to 12.00
Ivy Leaves	.40
Adiantum	.50 to .75
Common Ferns	per 1000, \$1.50
Smilax	per doz., \$1.25 to 1.50
Asparagus	5.00 to 6.00

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCH

We are large Growers and Shippers of **CUT FLOWERS**
ALL THE NEW VARIETIES.
YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

Galax Leaves at Wholesale

ORDERS FILLED PROMPTLY.
CORRESPONDENCE SOLICITED.

....J. G. LOVEN....

Montezuma, N. C.

Seen by New Firms:

AMERICAN FLORIST ADVTs.

Wholesale Flower Markets

CHICAGO, Sept. 14.

Roses, Beauty, extra long stems	3.00
" " 30 inch	2.50
" " 24 "	2.00
" " 20 "	1.50
" " 15 "	1.25
" " 12 "	1.00
" " 8 "	.75
" Bride, Bridesmaid	2.00@ 4.00
" Perle	2.00@ 4.00
" Meteor	2.00@ 4.00
" La France	2.00@ 4.00
" Golden Gate	4.00@ 6.00
" Liberty	4.00@ 6.00
Carnations	.75
" fancy	1.00
Lily of the valley	3.00@ 5.00
Adiantum	.75
Common ferns	per 1,000 1.25
Smilax	8.00@12.00
Asparagus	50.00
Ivy leaves, per 100	.40
Tuberose	per dozen .50



64 WABASH AVE.
CHICAGO

8. E. Cor Wabash Ave and Randolph St.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.
600,000 FEET OF GLASS.

Headquarters for American Beauty.
Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

Wanted at Once

"FLORISTS" to send to us for their supply of Cut Flowers. Most careful attention given to shipping orders. Order what you want—we have it. Cutting 2,000 Beauties daily.

GEO. REINBERG, 51 Wabash Ave.. CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

WHOLESALE
GROWER OF ROSES.

DEALER IN
CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2.00 per Script Letters, \$4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Bronze Galax Leaves
 \$1.25 per 1000. Every leaf guaranteed perfect.
 Try a sample FIFTY for ten cents in stamps, delivered FREE.
AMERICAN ROSE CO., Washington, D. C.

I PAY EXPRESS or POSTAGE on my

Bronze Galax Leaves
 anywhere in U. S. for \$1.50 per 1000. IMMEDIATE DELIVERY. Write for particulars.

LILLIAN ALLEN DEXTER, Washington, D. C.

Wholesale Florists, JOBBERS IN
 Always on hand:
 CARNATIONS, BRIDESMAIDS, BRIDES.
FLORISTS' SUPPLIES
FLORISTS' VASES.
 Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

Geo. A. Sutherland, Boston Flowers.
WHOLESALE DEPOT FOR
All Florists' Supplies,
 Price lists mailed. **67 BROMFIELD ST., BOSTON, MASS.**

Circulation
 which
Circulates
 The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Wholesale Flower Markets

PHILADELPHIA, Sept. 12.

Roses, Tea.....	1.00@ 2.00
" extra.....	3.00@ 4.00
" Beauty, extra.....	15.10@20.00
" firsts.....	8.00@12.00
Carnations.....	50@ 75
" fancy.....	1.00@ 1.50
Lily of the valley.....	3.00
Gladiolus.....	3 00
Tuberose.....	2.00
Asters.....	25@ 1.00
Asparagus.....	25.00@35 00
Smilax.....	10.00@15.00
Adiantum.....	1.00@ 1.00

Boston, Sept. 12.

Roses, Beauty, extra.....	15 00@20.00
" medium.....	1 00@ 6.00
" buds.....	1.00@ 2.00
" Bride, Bridesmaid, Meteor.....	50@ 3.00
" extra.....	3.00@ 5 00
" Kaiserin, Carnot.....	2.00@ 6.00
Carnations.....	50@ 1.00
Lily of the valley.....	2.00@ 4.00
Asters.....	25@ 75
Gladiolus.....	2 00@ 4.00
Adiantum.....	50@ 1.00
Smilax.....	8.00@10.00
Asparagus.....	50.00
Hardy ferns.....	.20

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING
 Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer, Wholesale Florists
 1604 LUDLOW STREET,
 Phone 1-42-69-A. **PHILADELPHIA.**
 Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 LONG DISTANCE PHONE 3-45-94 D. **PHILADELPHIA, PA.**
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, **PHILADELPHIA, PA.**
 Long Distance Phone 1-41-28 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
 Wholesale Florist,
 27 S. 11th St., Telephone 63-64, **PHILADELPHIA.**
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG...
 Largest Grower of... **Cut Flowers**
 in the West.
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,
 5515 Fifth Ave, **PITTSBURG, PA.**
 LONG DISTANCE PHONE 2985.
 Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co.,
 WHOLESALE FLORISTS.
 416 Walnut St., CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders.

J. M. COHEN, Florist,
 Telephone 2385.
 CONSIGNMENTS SOLICITED. **22 Chapman Place, BOSTON, MASS.**

TOP GRADE Carnations

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.
TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Special attention given to Shipping Orders.
57 W. 28th. St., NEW YORK CITY.
Telephone 2200 Madison Square.
—CONSIGNMENTS SOLICITED.—

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets & Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 561 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,

Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.
Cheapest Stock Shipped on a Commission.

Choice Carnations Choice Roses

Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

New York, Sept. 12.

Roses, Beauty, select.....	12.00@20.00
" " medium.....	4.00@ 6.00
" " culls.....	.50@ 2.00
" Bridesmaid, Bride, Meteor.....	.25@ 1.00
" " select.....	3.00@ 4.00
Carnations.....	.20@ 1.00
Lily of the valley.....	1.00@ 2.00
Harrisii.....	2.00@ 4.00
Cattleyas.....	20.00@33.00
Gladioli.....	.50@ 1.00
Asters.....	.10@ .50
Smilax.....	8.00@10.00
Asparagus.....	25.00@35.00
" Sprengeri, per doz. bun.....	.75@1.00
Adiantum.....	.25@ .50
Hydrangeas.....	1.50@ 2.00

BUFFALO, Sept. 13.

Roses, Beauty.....	10.00@20.00
" Bride, Bridesmaid, Meteor.....	3.00@ 7.00
" Kaiserin.....	6.00
Carnations.....	1.00@ 1.25
Lily of the valley.....	3.00@ 4.00
Lotus blooms.....	12 1/2¢ each
Roseum.....	4.00
Gladioli.....	2.00@ 3.00
Asters.....	.50@ 1.50
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy ferns, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.
Please mention the American Florist when writing.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,

Wholesale Florist.
New Telephone No. 902 Madison Sq.
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application

Ford Bros...

Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.
ROSES, CARNATIONS, VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE

S. J. LIMPRECHT,

Wholesale Commission Florist
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street.
Telephone 1438 Madison Square. NEW YORK.
Consignments Solicited.

Do not forget to say "saw your ad. in the AMERICAN FLORIST" when corresponding with advertisers

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities. ***
Telephona 197 Madison Square.

EDW. C. HORAN,

47 WEST 28TH ST.,
Tel. 421
Madison Square,NEW YORK.
CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Watersfield, Conn., Sec'y and Treas.

THE Nebraska corn crop, both field and sweet varieties, promises to be extra fine.

C. G. WEEBER, of Weeber & Don, New York, and Mrs. Weeber are off to the west on a vacation trip.

BEAN crops in northern New York are injured by drought but may be helped some by late rains if not cut by frost.

THE strike of the stevedores and dock laborers at Marseilles, France, has delayed a number of French hulb shipments for two weeks.

JOHN BUCKBEE, of H. W. Buckbee & Co., Rockford, Ill., is on his way to California, where he will sojourn for some time on account of his health.

VISITED CHICAGO: H. W. Buckbee, Rockford, Ill.; Henry A. Salzer, La Crosse, Wis.; William Henry Mauls, Philadelphia; C. P. Braslan, San Francisco.

THE tomato seed crop in Michigan has been seriously damaged by the excessive rains the latter part of August. Some of the varieties will not yield more than one-quarter of an average crop.

Boston.

MARKET CONDITIONS FAR FROM ENCOURAGING — SURPLUS OF ROSES MAKES PRICES LOW.—NOTES.

The local flower market is in a very generally demoralized condition. There are superfluous quantities of asters and of nearly all roses except Beauty, which retains its normal value and sells well. Carnot also finds generous appreciation; Lawrence Cotter is cutting it of splendid quality. Red roses are selling at unprecedentedly low figures because of over-supply, Liberty conflicting with Meteor and both selling far below their real value. Bride and Bridesmaid are poor in quality because of the extremely hot weather, which is unusual for so late in the season. There is a limited demand for fancy lily of the valley at \$5 per hundred.

E. P. McNulty, Jr., formerly in business at Savin Hill, died last week.

Visitors: J. R. Fotheringham, Tarrytown, N. Y.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. **CLOVERS**—Red, Sahling, Alfalfa Crimson, White, Alsike, Japan, etc. **WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN"** Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO.,
The Largest and Best Collection of Seeds in Ky.,
LOUISVILLE, KY.

Southern Wild Smilax.

New crop now ready for shipment. Write for my descriptive circular and price list. I guarantee that all goods shipped by me will be of best quality, hand picked, and of standard weight. I solicit your standing orders for the above goods. Reduced express rates to all points. Address all orders to, by wire via Georgia, J. G. BARROW, RED LEVEL, ALA.

FRESH ENGLISH MILLTRACK MUSHROOM SPAWN.

Our celebrated English Milltrack brand is made by the best maker in England specially for our trade; per brick (1 1/4 pounds) 15c; by mail, 25c; 10 lbs., \$1.25; 25 lbs., \$2.00; 100 lbs., \$6.00; per 1000 lbs., \$55.00, (250 lbs. at the 1000 lb. rate).

Fresh Smilax Seed per ounce, 20c; per lb., \$2.25; per 5 lbs., \$2.00 per lb. Allen's Defiance Mignonette, per 1/4 ounce, 20c; per ounce, 75c. Johnson & Stokes' Kingly Pansy, trade pkt., 50c; 1/4 ounce, \$1.25; per ounce, \$5.00. Freesia Refracta Alba, first size, 40c per 100, \$3.00 per 1000; selected, 60c per 100, \$5.00 per 1000. White Roman Hyacinths and Paper White Narcissus now ready for delivery; write us for prices.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

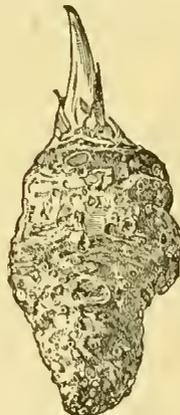
BULBS NOW READY
ROMAN HYACINTHS
DUTCH HYACINTHS
NARCISSUS TULIPS
Etc., Etc., Etc.

Wholesale Bulb Catalogue Mailed On Application.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK



CALIFORNIA Calla Bulbs

Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

FIRST SIZE, 1 1/4 to 1 1/2-in. diam., doz. 75c; 100 \$5.00.

SELECT, 1 1/4 to 1 1/2-in. diam., doz. \$1.25; 100 \$7.00.

EXTRA SELECT, 2 to 2 1/2-in. diam., doz. \$1.50; 100 \$9.00.

EARLY DELIVERY means much. Getting these bulbs when you want them is everything. Late surpluses at half price are not bargains.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

PANSIES

100,000 ROEMER'S SUPERB PRIZE, good, bushy plants; per 100, 50c; per 1000, \$3.00. Special offer, 50,000 nice plants from seed bed, \$2.00 per 1000.

S. T. DANLEY, Macomb, Ill.

ZIRNGIEBEL'S

GIANT PANSY PLANTS

NOW READY.

GIANT MARKET..... \$ 5.00 per 1000
GIANT FANCY..... \$10.00 per 1000

Also seed of the above strains, in trade packets, at \$1 each. DENYS ZIRNGIEBEL, Needham, Mass.

Herr's = = Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment.

Plants only, and ready October 1st to January 1st.

FREE BY MAIL,

75c per 100, 250 for \$1.50; 500 for \$2.50.

By Express at Your Expense, \$4 per 1000.

ALBERT M. HERR
LANCASTER, PA.



The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Moller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Moller-Erfurt. (GERMANY)

PANSIES

THE JENNINGS STRAIN of Show and Fancy Pansies. New Crop Seed Now Ready.

My 1900 strain is of the highest standard and cannot be excelled by any. Finest mixed, 2500 seeds, \$1.00; 1/2-oz., \$2.50; oz., \$5.00. Yellow, white, blue and black, in separate colors, 50c per pkt., postpaid by mail. Small Pansy Plants, 60c per 100 by mail. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies,
Lock Box 254, SOUTHPORT, CONN.
Please mention the American Florist when writing.

ROEMER'S SUPERB PRIZE Pansies.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of the Finest Pansies.

PANSIES WORTH RAISING

SEED, 3 1/2 oz., \$1.00; 1 oz., \$1.00.
PLANTS, 500, \$2.50; 1000, \$4.00.

F. O. B. express here. Cash With Order. Everything first-class.

CHR. SOLTAU, 199 Grant Av., Jersey City, N. J.

MIGNONETTE.

Allen's Deliance, seed from selected spikes, 25c per pkt., \$1.00 per ounce.

J. C. SCHMIDT, BRISTOL, PA.

FOR

Holiday Blooming NARCISSUS

FRENCH DOUBLE VON SION. "PARIS" BRAND.

A Narcissus specialist in France has been breeding up for several years past a pure strain of Narcissus Von Sion, and owing to the careful cultivation given them they produce blooms almost as large as the Dutch Von Sion. These cultivated French grown Von Sion have been forced by a few large eastern florists the past two years and have given good results. Under proper treatment they can be bloomed easily for Christmas, and even some weeks earlier.

These cultivated Von Sion are not to be confounded with the wild Von Sion offered by French growers and sold at low figures. We want each of our customers to try at least a few thousand of these for Christmas blooming, and if cultural directions as mentioned below are followed, we believed they will give every satisfaction. Per 100, \$2.00; per 1000, \$16.00.

"NARCISSUS, French Grown VON SION

for forcing for Christmas flowers, we would advise placing the bulbs as soon as received in August or September, in flats outside or in cold frames. They can be brought into the house for forcing about November 15th or as late as December 1st. When brought in the flower stalks should show from 3 to 5 inches in the flats. These bulbs when so started will stand damp heat which is contrary to the habit of Dutch Von Sion."

NOW READY FOR DELIVERY AT NEW YORK OR CHICAGO.

Vaughan's Seed Store,

CHICAGO, NEW YORK, 84-86 Randolph St. 14 Barclay St.

Surplus Carnations

Fine, Healthy and Strong.

50 Dazzles, 100 Scotts, 150 Pingree, 500 McGowans, 100 Portias, 50 Bridesmaids, 150 Kohinoors, \$3 per 100; \$25 for the lot. Extra strong Sprengeri, 4-in., \$6; 3-in., \$4. Farquhar Violets, 250, 2-in. pots, \$2; healthy. Smilax, extra strong, 2½-in., \$2. Bougainvillea, ex. fine plants, 4 to 8-in. Ask for prices. Cash. GEO. M. BRINKER-OFF, Springfield, Ill.

FIELD-GROWN CARNATIONS.

Per 100 Per 100
FLORA HILL.....\$5.00 MRS. FISHER.....\$3.50
GENESSEE..... 4.00 TIDAL WAVE... 3.50
PORTIA..... 4.00 SILVER SPRAY. 3.50
DAYBREAK..... 4.00
CALIFORNIA VIOLETS, strong, field-grown plants. WRITE FOR PRICES.
GEORGE SOUSTER, ELGIN, ILL.

TO CLOSE OUT.

500 American Beauties, 2½-in., \$5.00 per 100, or \$20.00 for the 500.
2000 Kaiserin, 2000 Golden Gate, 2000 Bridesmaid, 1000 Meteor, 500 Garrett, 500 Bride, 500 Perle, 500 Mermet, 3 and 3½-in., \$3.00 per 100, or \$25.00 per 1000.

These are Fine Plants. Cash With Order. MRS. J. W. CROUCH, Chattanooga, Tenn.

Carnation Plants.

Fine field-grown plants: Flora Hill, Scott, Daybreak, Lizzie McGowan, Mrs. Fisher, Victor, New York, Evanston, Albertin, Firefly. Pr cs. \$4.00 per 100.
SMILAX fine, 3-inch stock.....\$2.50 per 100
PLUMOSUS fine, 3-inch stock.....\$5.00 per 100
CASH WITH ALL ORDERS, PLEASE.
VAN WERT GREENHOUSES, Van Wert, O.

AUCTION!

AUCTION!

Dreyer's Second Annual Trade Sale.

MESSRS. CLEARY & CO., Auctioneers, 60 Vesey St., N. Y. City.

Will sell on WEDNESDAY, SEPTEMBER 19th, beginning promptly at 12 noon, an exceedingly fine assortment of the plants enumerated below,

BY ORDER OF

R. DREYER, Woodside, L. I.

The sale to be conducted in the houses on the premises, which may be reached by trolley car at Long Island City, marked "Woodside," which passes the greenhouses; also by Long Island R. R. to Woodside (E. 34th and James Slip Ferries).

The stock is all clean, well-grown and in splendid condition. Special catalogue will be mailed on application.

Phoenix, Araucarias, Livistona Chinensis, Areca Lutescens, Pandanus Veitchii, Kentia Belmoreana, Cycas Revoluta, Pandanus Utilis, Kentia Forsteriana, Rhaps. Dracenas (Terminalis, Lindenii, Fragens), Ficus, straight and branching; Japanese Fern Balls, Adiantum Cuneatum Boston Fern, Aspidistra, green and variegata; Asparagus Sprengeri and Tenuissimus English Ivy, assorted Ferns, Ericas, etc., etc.

All sizes—specimen and growing on sizes—all well-grown and in finest condition.

LUNCH SERVED ON PREMISES.

FOR SPECIAL INFORMATION APPLY TO AUCTIONEERS,

Don't forget the day and date, Wednesday, September 19th, 12 noon.

CLEARY & CO., 60 Vesey St., N. Y.

Meteors and Perles.

We are in a position to make particularly good use of regular consignments of these Roses, and invite correspondence or a personal visit from growers who are looking for a good market.

E. C. Amling,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT-FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph St.

.....CHICAGO.

CARNATIONS FIELD GROWN

1500 FLORA HILL, 3000 LIZZIE M'GOWAN, 1500 WM. SCOTT, 1000 TIDAL WAVE, 600 DAYBREAK,

\$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER. CHAS. WIFFIN, DES PLAINES, ILLINOIS.

Field-Grown Carnations.

Glacier, Evanston, Jubilee, Armazindy, Victor, A. Webb, F. Hill, Daybreak, Dana, Meteor, Morello, Cartledge, M'Gowan, Bridesmaid, Eldorado, Portia, Jahn's Scarlet, Scott, Fancy stock, \$5; ordinary, \$3.

Cash.

DANA R. HERRON, Olean, N. Y.

THE MONEY MAKERS!

Frances Joost and Flora Hill

\$5.00 per 100, \$40.00 per 1000.

WHITE CLOUD, \$6.00 per 100. A few DAYBREAK, at \$4.00 per 100.

Isaac A. Passmore, Route 7, West Chester, Pa.

Special Offer until October 1st

PHOENIX CANARIENSIS,

Elegant stock; fully characteristic. 4½-inch pots, \$25.00 a hundred; 5½-inch pots, \$35.00 a hundred. This is surely a bargain.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

CHEAP to CLOSE OUT

Boston Ferns

At \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus Nanus,

\$3.50 per 100, \$30.00 per 1000.

Asparagus Sprengeri,

\$2.50 per 100, \$20.00 per 1000.

The above are nice plants from 2½-inch pots. OTAHEITE ORANGES, from 3-inch pots, \$4.50 per 100; \$40.00 per 1000.

Our fall trade list now ready. Write for it.

The Good & Reese Co.,

SPRINGFIELD, OHIO.

Primroses

500 three-inch pot plants, Roemer's best mixture, at \$4.00 per 100.

Smilax

200 first size at \$1.50 per 100, and 1000 second size at \$1.00 per 100.

Asparagus Plumosus Carnations

Some bargains in field grown plants after Sept. 15.

ALBERT M. HERR

LANCASTER, PA.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. BEAGER, Rochester, N. Y., Sec'y.

IRVING ROUSE, of Rochester, is president of a canning company at Geneva, N. Y., which puts up 3,000,000 cans annually.

GEORGE ELLWANGER last month gave a piece of property valued at \$15,000 for a home for aged Germans at Rochester, N. Y.

SILAS WILSON says that apple seeds should not be left even over night in the pumice, as the acid in the apple juice impairs the vitality of the seeds.

N. W. HALE, Knoxville, Tenn., was recently re-elected president of the Southern Nurserymen's Association, with W. Lee Wilson, Winchester, Tenn., secretary and treasurer.

GEORGE T. RICHARDSON, president of the National Apple Association estimates the apple crop of 1900, as exceeding even that of 1896, when 60,000,000 barrels were harvested.

WESTERN nurserymen who make a specialty of moving large trees say that New York is paying for this work, of which she is doing much, prices enormously higher than is charged Chicago for similar services.

CERTAIN entomologists say that the injuries inflicted this year by the apple tree caterpillar are less than previously because of a disease or blight, similar to the "perbine" which sometimes destroys silk worms, which is attacking the caterpillars.

NEWPORT, VT.—J. R. Farrant was married last week to Miss Abbie Goodell, of Westminster West.

LOWELL, MASS.—Wm. A. Roberts has withdrawn from the firm of Patten & Roberts to go into the livery business.

Strong Field-Grown Carnations

- MELBA, G. H. CRANE, MRS. F. JOOST, AMERICA, WHITE CLOUD, 5,000 Mixed Geraniums, 2,000 Named Geraniums, 5,000 Chinese Primroses, pink and blue, 2,000 Begonias, mixed, 1,000 Red Verano, 1,000 Erfordi, 1,000 Asparagus Sprengerii, 500 Nice Rex Begonias, mixed, Calla Bulbs, Mixed Ferns, strong plants, Pansy Seed, Giant and Fancy mixed, per oz.

The Morris Floral Co., MORRIS, ILL.

Perles, Brides, Maids.

Extra strong stock. Will pay for themselves in a few weeks. Special reduced prices. 100 1000 Maids and Brides, 3-inch, Perles, grand plants, 3-inch, Samples for 25 cts.

FIELD-GROWN CARNATIONS.

5000 Jubilee, Argyle, Victor and Scott, \$5 per 100. WANTED—400 McGowan, 300 strong, pot-bound 3-inch Smilax in exchange for any of above.

W. H. CULLETT & SONS, Lincoln, Ill.

SPECIALTIES IN BEST VARIETIES

- ROSES, from 3-inch pots. CARNATIONS, for all delivery. CHRYSANTHEMUMS. SMILAX. VIOLETS. Prices low. Send for list. WOOD BROTHERS, FISHKILL, N. Y.

ANOTHER BABY ROSE, "Snowflake"

GENUINE SNOW IN SUMMER. THE LATEST FAD IN ROSES.

Blooms very freely in 2-inch pots—plants in 6-inch pans show 50 to 100 flowers open at one time. Dainty little pink bud and very double white flowers in large clusters. Perfectly hardy and grows only about 8 inches high; fine for cutting, excellent for the garden. Every visitor falls in love with it. The high praise bestowed on it by every florist who has seen it—all of whom predict a steady demand—has induced us to introduce it for the originator.

Price for delivery December 1st, when not more than 5000 plants will be ready—send for photos: From 2-in. pots, \$15 per 100, \$2 50 per 12. Rooted Cuttings, \$10 per 100. From 3-in. pots, \$25 per 100, \$4 per 12. 25 at 100 rate, by express.

Asparagus Sprengerii—Fine plants in 2 1/2-in. pots, ready for 3 1/2-in., \$4 per 100, \$35 per 1000. Fine plants in 3 1/2-in. pots. Plants in 5's, \$20; in 6's, \$30 per 100.

The New Lace Fern—Excellent Fern for cutting; fronds last 3 to 4 weeks in water, bring \$1 to \$2 per 12; very hardy, grows well under benches; 2 1/2-in., \$5; 3 1/2-in., \$8 per 100.

Edelweiss, or Snowflower—The coming fad, \$1 per 12, \$6 per 100.

New Buddlaia Variabilis or Glory of the Butterflies—Grand hardy plant. Might be called a hardy Lilac Mignonette, spike 1 foot long, \$2 per 12, \$12 per 100, strong.

Spotted Callas, \$3. Little Gems, \$2.50. White Callas, \$2.50. Yellow Callas, \$20. All per 100. 50 other new and rare plants not to be had elsewhere.

SEND FOR CATALOGUE.

A. BLANC & CO., Philadelphia, Pa.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds, 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, MEGERO, MORGAN, MEKMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3 1/2-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch. MARIE LOUISE VIOLETS, from 2 1/2 and 3-inch pots, \$2.50 to \$3.00 per 100; \$25.00 to \$30.00 per 1000. A. S. MacBEAN, LAKEWOOD, N. J.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns; Otaksa, Red Branched, Thos. Hogg, PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc. Our representative, MR. J. AUSTIN SHAW is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York



Send to THE MOON Company For Trees, Shrubs, Vines, Your and Small Fruits. Descriptive Illustrated Catalogue Free. THE WM. H. MOON CO., Morrisville, Pa.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Grape Vines

Descriptive and Price List free. Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true. T. S. HUBBARD CO., FREDONIA, N. Y.

Special Offer!

For the next thirty days I will accept orders for the following nice collected stock to be shipped in November, to be paid for on delivery. (Cash, or reference from parties unknown to me):

- Adiantum Pedatum, Maidenhead Fern, per 1000, \$3.00; per 5000, \$12.50. Polystichum Acrostichoides, Christmas Fern, per 1000, \$4.00; 5000, \$14.00. Hymenocallis Occidentalis, per 100, \$2.00.

The following nice, collected Tree Seedlings, ranging in size from 6 to 16 inches and over, per 1000, \$3.00; 5000, \$12.50, or 10,000 for \$20.00.

- BETULA NIGRA, River Birch. CARPINUS AMERICANA, Water Beech. CERCIS OCCIDENTALIS, Hackberry. CORNUS FLORIDA, white flowered Dogwood. CORYLUS AMERICANA, Hazelnut. DIRCA PALUSTRIS, Leatherwood. FAGUS FERRUGINEA, American Beech. SYCAMORE, Plane Tree. TECOMA RADICANS, Trumpet Flower. TILIA AMERICANA, Linden Bass-wood.

Can supply a fine lot of clean seed of Stuartii, Pentagyna and Mt. Stuartia, per lb., \$1.00, or 10 lbs. for \$8.00 if ordered now.

SEND FOR MY TRADE LIST

Of Tree and Shrub Seeds, Collected Seedlings, etc., now ready.

J. H. H. BOYD, GAGE, Sequatchie Co., TENN.

We like to have you tell our advertisers that you read our paper

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

WRITE FOR SPECIAL QUOTATIONS ON
WIRE WORK DURING SUMMER MONTHS.

42 and 44 E. Randolph St.,
CHICAGO.

20,000 CARNATIONS 20,000

EXTRA FINE, FIELD GROWN.

FLORA HILL.....	Per 100	\$ 5.00
WHITE CLOUD.....		6.00
DAYBREAK.....		4.00
WM. SCOTT.....		4.00
MARQUIS.....		12.00
G. H. CRANE.....		8.00
GEN. GOMEZ.....		8.00
MRS. BRADT.....		8.00
GOLD NUGGET.....		6.00
TRIUMPH.....		4.00
VICTOR.....		4.00

W. A. WETTLIN, Hornellsville, N. Y.

FIELD-GROWN

CARNATION PLANTS.

First-Class In Every Respect.

McGowan.....	per 100,	\$3.50
Mary Wood.....	"	5.00
Nugget.....	"	4.00
Melba.....	"	6.00
Dean.....	"	5.00
Daybreak.....	"	3.50
Scott.....	"	3.00

W. P. HARVEY, Geneva, Ill.

CARNATIONS

Field-Grown.

"PERU" The Peerless White.

First size, \$12.00. Second Size, \$10.00.

F. B. TINKER, Peru, Ind.

SURPLUS CARNATIONS.

FLORA HILL, WHITE CLOUD, TRIUMPH,
DAYBREAK, \$5.00 per 100. AMERICA,
CRANE, MELBA, BRADT, \$6.00 per 100.

Cash with order. W. Sabransky, Kenton, O.

Carnations

FIELD-GROWN

Strong Daybreak, Flora Hill, Jubilee \$4.00 per 100.
McGowan, Portia, \$3.00 per 100, \$25.00 per 1000.
Also a few Lawson, Crane, Bradt, etc.
Geraniums, best varieties, 2 1/2-in., \$2.00 per 100.

RICHARD INSALL,

West Moorestown, N. J.

FIELD CARNATIONS.

Extra large, healthy plants; will close out at
following low prices: Daybreak, Scott, Mary
Wood, Flora Hill, Empress, Mayor Pingree,
Eldorado, Triumph, \$4 per 100; \$35 per 1000.

IERUSALEM CHERRY and VINCAS, two varieties,
field-grown, at \$10 per 100.

LAMPRECHT BROS., Ashland, Ohio.

BROWALLIA GIGANTEA (True)

2 1/2-in. pots, \$3 per 100. R. cuttings, \$1.50 per 100.

Henry Eichhoiz, Florist, Waynesboro, Pa.

80,000 Extra Fine Field-Grown

CARNATIONS

Argyle, Scott, Tidal Wave, Gold Nugget,
Flora Hill, White Cloud, McGowan
and Evelina,

\$3.50 PER 100,
\$30.00 PER 1000.

MRS. A. M. SCHAFER, 277 Balmoral Ave.
CHICAGO.

Field Grown CARNATIONS

	1st Size	2nd Size
JOHN YOUNG.....	100	50
GOLD NUGGET.....	15	10
METEOR.....	40	15
ARGYLE.....	14	
ARMAZINDY.....	50	30
JUBILEE.....	15	15
NEW YORK.....	50	10
PSYCHE.....		100
FLORA HILL.....		40
WM. SCOTT.....		40
WHITE CLOUD.....		20

LIZZIE MCGOWAN, 250 1st and 200 2nd size, at
4c and 2c.
BOSTON FERNS, 2 1/2-inch, fine, 1c.

GERANIUMS, strong 2 1/2-in., excellent assort-
ment, \$2.50 per 100. CASH WITH ORDER.

G. W. WEATHERBY, Chillicothe, Mo.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS.

Send for prices of thirty-five best new
and standard varieties.

GEO. HANCOCK & SON,

Grand Haven, Mich.

FOR SALE OR EXCHANGE.

THE FOLLOWING CARNATIONS:

3000 McGowan at \$3.00 per 100; 100 Portia at \$2.50;
200 Kitten Clover at \$3.25; 300 Eldorado at \$3.50;
100 Scott at \$3.00.

Will exchange for Smilax, Primula Obconica,
or Double Violets.

E. WICKERSHAM & CO., Pottstown, Pa.

CARNATIONS

Field Grown MARQUIS

First, \$15.00 Second, \$10.00

L. E. MARQUISEE, Syracuse, N. Y.

8000 Carnations

Good,
healthy
plants.

G. H. Crane, per 100, \$7.00	Pingree, per 100, \$3.50
Mrs. F. Joost, " 5.00	Mary Wood, " 3.50
Daybreak, " 4.00	White Cloud, " 6.00
Mrs. Jas. Dean, " 4.00	Flora Hill, " 4.00

CARL RAUTH, Springfield, Ill.

Holly. Finest Quality. Any Quantity.

Write us for prices delivered at your door.

CALDWELL The WOODSMAN CO Inc., Evergreen, Ala.

FIELD-GROWN

Garnation Plants

	Per 100	2d size, per 100
Genevieve Lord, finest com- mercial rink, fine plants,	\$12 00	\$10.00
The Marquis.....	12.00	10.00
Ethel Crocker.....	12.00	10 00
Mrs. Thos. W. Lawson.....	15.00	
Estelle.....	12.00	
50 J. Whitcomb Riley.....	12 00	
White Cloud.....	6 00	
Flora Hill.....	5.00	
America.....	5.00	
Mrs. Joost.....	5.00	
Evelina.....	5.00	
Gomez.....	5 00	
Maceo.....	5.00	
Portia.....	4.00	
Pingree.....	5.00	

Seedling No. 30, fine plants, \$8.00 per 100.
No. 30 is a bright pink, very free bloomer,
averaging stems two to three feet.

Send In Your Order Promptly.
First Come First Served.

H. Weber & Sons,
OAKLAND, MD.

Please mention the American Florist when writing.

8,000 Carnations...

Field-Grown Plants, Strong Roots,
free from disease. Send 50c for
sample and prices. Ten best vars

1000 PRIMULAS

Strong 2 1/2-in., per 100, \$3.00.

MURRAY, the Florist Seedsman,
403 Main St. PEORIA, ILL.

CARNATIONS..

Field Grown Plants.

F. DORNER & SONS CO.,

LA FAYETTE, IND.

Send for Price List.

10,000 CARNATIONS. 10,000

Extra fine field-grown plants.

Flora Hill, Edith Foster, Daybreak,
White Cloud and Joost.

\$6.00 per hundred. Cash, please.

GEO. E. BUXTON, Nashua, N. H.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 87 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Flatbush.

The Flatbush Florists' Bowling Club will soon have the finest alleys in the country. Eight new ones are being constructed by Schwalback in the rear of the old location and on the ground floor. A gallery will be provided for spectators and all the appointments will be strictly up-to-date.

On Thursday evening the following scores were rolled:

Table with 4 columns: Player, 1st, 2d, 3d. Lists scores for E. Dailedouze, Riley, C. Zeller, H. Dailedouze, Schmutz, P. Dailedouze, Woeker, and Raynor.

Baltimore.

HORTICULTURAL EXHIBITION PROJECT TAKING FORM—COMMITTEES APPOINTED TO PROPOSE PLANS.

The florists and gardeners who are interested in the plan to hold a general horticultural exhibition in Baltimore next year have appointed two special committees to prepare definite plans for the undertaking.

Messrs. E. A. Seidewitz, Isaac Moss, Charles L. Seyhold and Theodore Eckhardt constitute the committee which is to report on the technical features of the exhibition, the selection of the place, the plan and programme of the show, the premium list, the expenses, etc.

Messrs. John Cook, W. Paul Binder and William B. Sands constitute the committee which is to inquire into the possibility of organizing either a permanent horticultural society or of reviving the society known as the Maryland Horticultural Society.

OCONOMOWOC, Wis.—C. B. Treman has removed to Hartford, where he is building a range of houses, principally for violet growing.

15,000 EXTRA FINE BOSTON FERNS

2 1/2, 3, 4, 5, 6 and 7-inch pots, new ready for shipment. Some very fine plants of Asparagus Plumosus Nanus out of 2 1/2-inch pots. A few thousand mixed Roses on hand for planting. Write for prices.....

GEO. A. KUHLE, PEKIN, ILL.

CRYPTOMERIA JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00. ASPARAGUS SPRENGERII, 2-inch, \$2.50 per 100. SATISFACTION GUARANTEED.

E. I. RAWLINGS, Quakerstown, Pa.

Primrose and Cyclamen. Primrose, latest improved large flowering, fine plants, ready for 3 1/2, \$2 per 100. Cyclamen Giganteum, 3-inch, \$5 per 100. Extras added. Cash please. J. W. MILLER, Hatton, Camb. Co., Pa.

BOSTON FERN ...A... SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

:: Extra Fine ::

Field-Grown Carnations.

Table listing carnation varieties and prices: 4000 GENEVIEVE LORD, 24 0 CHICAGO, 100 MRS. JAS. DEAN, 2000 GEN. MACFO, 200 GEN. GOMEZ, 800 JOHN YOUNG, 250 ARGYLE, 5000 ARMAZINDY, 7000 EVELINA, 8000 WILLIAM SCOTT.

BLOOMS OF ALL LEADING VARIETIES NOW READY. AT 50c AND \$1.00 PER HUNDRED.

Cash must accompany order.

CHICAGO CARNATION CO., Joliet, Ill.

FIELD-GROWN

CARNATIONS

LARGE, HEALTHY PLANTS, CLEAN AND READY FOR IMMEDIATE PLANTING.

Table listing carnation varieties and prices: G. H. Crane, Triumph, Flora Hill, White Cloud, EVELINA, Jubilee, Bon Ton, Lizzie McGowan, Armazindy.

WIETOR BROS.,

51 WABASH AVE.CHICAGO.

4 Acres Field-Grown Carnation Plants, 120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and are packed light by our improved method of packing, by which we can send to all parts of the United States in perfect condition.

Table listing carnation varieties and prices: MAYOR PINCREE, BUTTERCUP, MRS. C. M. BRADT, CRIMSON SPORT, DAYBREAK, TRIUMPH, ARMAZINDY, WHITE CLOUD, JUBILEE, MELBA, ELDORADO, MAUD ADAMS, MCCOWAN, FLORA HILL, WM. SCOTT, L. L. LAMBORN, PORTIA, DOROTHY SWEET, SWEETBRIER, MRS. FISHER, C. A. DANA, METEOR, ALBERTINI.

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring and freedom of flower by any others grown.

50 cts. per 100 \$4 00 per 1000. J. L. DILLON, BLOOMSBURG, PA.

Some Carnations.

FINE FIELD-GROWN.

Table listing carnation varieties and prices: 400 Cardinal, 800 McGowan, 600 Scott, 800 Albertini, 200 Pincree.

BROWN & CANFIELD, SPRINGFIELD, ILL.



10,000 Carnations

Flora Hill, \$4 per 100, \$35 per 1000. Wm. Scott, \$3 and \$3.50 per 100, \$25 and \$30 per 1000. L. McGowan, \$2.50 per 100, \$20 per 1000.

C. HUMFELD Clay Center, Kas.

Please mention the American Florist to our advertisers.

Field-Grown CARNATION PLANTS.

**READY TO SHIP
AT ONCE. . . .**

	Per 100	Per 1000
CROCKER, extra large	\$12.50	\$100.00
G. LORD, 1st size.....	12.00	100.00
MARQUIS, 1st size.....	12.00	100.00
GEN. MACEO, 1st size..	8.00	75.00

	Per 100	Per 1000
G. H. CRANE, 1st size..	\$ 8.00	\$75.00
" " 2nd size..	6.00	50.00
GEN. GOMEZ, 1st size..	8.00	75.00
MRS. BRADT, 1st size..	8.00	75.00

	Per 100	Per 1000
MRS. JOOST, 1st size....	\$ 8.00	\$75.00
AMERICA, extra fine....	8.00	75.00
MELBA, extra large.....	8.00	75.00

ROBT. CRAIG & SON, Market and 49th Streets, PHILADELPHIA, PA.

They are Fine;

None better. We offer if unsold on receipt of order.

	100	1000
2100 Bridesmaid.....in 4 -in. pots	\$4.00	\$35.00
1000 " " " " 3 1/2 " "	4.00	35.00
1720 " " " " 3 " "	3.00	25.00
500 " " " " 2 " "	2.00	20.00
300 Brides " " " " 4 " "	4.00	35.00
200 " " " " 3 1/2 " "	4.00	35.00
3500 " " " " 3 " "	3.00	25.00
1200 " " " " 2 " "	2.00	20.00
3000 Meteors..... " 3 " "	2.50	25.00

	100	1000
500 Mme. Chateauy...in 4 -in. pots	\$4.00	
100 " " " " 2 " "	2.00	
125 Mme. Cusine..... " 4 " "	3.50	
250 Lady Dorothea.... " 4 " "	4.00	
150 " " " " 2 1/4 " "	2.50	
2000 Golden Gate..... " 2 1/4 " "	2.50	25.00
700 Maid of Honor.... " 4 " "	3.00	
700 " " " " 2 1/4 " "	2.00	
5000 Brides and Maids in 3 and 4-in pots.		

	3-in. pots <th>\$12.00 per 100</th>	\$12.00 per 100
Latania Borbnica.....	3-in. pots	\$12.00 per 100
Areca Lutescens.....	4 " "	20.00 " "
Cocos Weddeliana.....	3 " "	12.00 " "
Asparagus Sprengerii...	6 " "	25.00 " "
" " " " 4 " "	4 " "	8.00 " "
" " " " 3 " "	3 " "	6.00 " "
" " " " 2 " "	2 " "	3.00 " "
Ficus Elastica, 6-in. pots.....	75c to \$1.50 each.	
Boston Fern, 8-in. pots....	\$25.00 to \$35.00 per 100	

These are carried over stock; they are good. We offer them at \$12.00 per 1000.
LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

60,000

FIELD-GROWN

Carnation Plants

Argyle, Flora Hill, Pingree, Triumph, Tidal Wave, Scott, Evelina, McGowan, Daybreak, Armazindy.

Per 100 \$3.50; per 1000 \$30.00.

	Per 100	Per 1000
EVANSTON.....	\$6.00	\$50.00
WHITE CLOUD.....	6.00	50.00
BRADT.....	6.00	

ROSE PLANTS.

METEOR BRIDESMAID BRIDE } Large, strong plants. Per 100, \$2.50; 1000, \$20.00.

PERLE and AM. BEAUTY } Lifted from bench, in good condition. Per 100, \$2.50; 1000, \$20.00.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

150,000 CARNATION PLANTS

Large, strong Plants, in excellent health and sold with our guarantee of perfect satisfaction or money refunded.

	100	1000
WM. SCOTT.....	\$3.00	\$25.00
LIZZIE McGOWAN.....	3.00	25.00
ARMAZINDY.....	4.00	35.00
EVELINA.....	4.00	35.00
MRS. BRADT.....	6.00	50.00
EVANSTON.....	6.00	50.00
NIVEA, VICTOR.....	3.00	
JUBILEE.....	5.00	

PETER REINBERG,

51 Wabash Avenue, CHICAGO, ILLINOIS.

50,000 CARNATION PLANTS

This stock is in elegant condition, strong, clean and perfectly healthy; sure to give satisfaction. Money refunded if not just as represented.

	Per 100	Per 1000	Per 100	Per 1000
McGOWAN.....	\$3.00	\$25.00	NANCY HANKS.....	\$3.00 \$25.00
SCOTT.....	3.00	25.00	FLORA HILL.....	4.00 35.00
EVELINA.....	3.00	25.00	WHITE CLOUD.....	4.00 35.00
PORTIA.....	3.00	25.00	TRIUMPH.....	4.00 35.00

SPECIAL PRICES ON LARGE QUANTITIES.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL.

40,000 Carnations 40,000

STRONG FIELD GROWN

	Per 100	Per 1000
WM. SCOTT -	\$3.00	\$25.00
McGOWAN -	2.50	20.00
ARMAZINDY -	3.00	25.00

Cash with order, please.

WM. FLUEGGE,

154 Lawrence Ave., Station X, CHICAGO.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

25,000 Carnations 25,000

FIELD GROWN PLANTS OF THE FOLLOWING VARIETIES:

15,000 Flora Hill.....	\$ 5.00 per 100	2,000 Eldorado.....	4.00 per 100
4,000 White Cloud.....	8.00 " "	1,000 Wm. Scott.....	4.00 " "
1,000 Mrs. Bradt.....	10.00 " "	1,000 Daybreak.....	5.00 " "
1,000 G. H. Crane.....	10.00 " "	500 Emily Pierson.....	4.00 " "
1,000 McGowan.....	4.00 " "		

These Plants are all in first-class condition, good size and healthy stock. Write me if you are in need of a large quantity.

CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

Washington.

FUNERAL DESIGNS STILL THE MAINSTAY OF CAPITAL CITY FLORISTS.—VARIOUS ITEMS OF INTEREST.

Trade is rather quiet on account of the continued hot weather. Several florists had some good orders for the recent memorial services for King Humbert. A. Gude & Bro. had the decoration of St. Peter's church and also made a large wreath on an easel, surmounted by a cross and crown. The ribbons were the national colors of Italy. J. H. Small & Sons had the decoration of St. Matthew's church.

A. Gude & Bro. recently built a floral trolley car four feet long, using over 500 roses, for the obsequies of a motorman who was killed in a collision. The design was at the request of his colleagues.

J. H. Small, Jr., started September 4 on a western trip in company with some friends. They will go to California.

J. Louise Loose and wife have returned from their trip to Europe. P. G.

Thousands XX Asparagus Sprengerii,

- 2-in., \$3.50; 2½-in., \$4.00; 3½-in., \$5.00.
- VIOLETS, healthy field-grown clumps: Imperial, \$6.00; Swanley White, \$4.50; Campbell, \$4.00; California, \$3.50.
- SPIRAEA, (A. Waterer), field-grown, 10-in. high, \$6.00; same from 2½-in. pots, \$3.00.
- CARYOPTERIS, (Blue Spiraea), field grown, 2 feet high, \$5.00; same from 2½-in. pots, \$2.50.
- CALIFORNIA PRIVET, field grown, 18-in., \$2.50.
- ENGLISH IVY, 2½-in. pots, 10-in. vines, \$4.00.
- BABY PRIMROSE, 2½-in. pots, \$4.00.

Tomato Plants, Gardner's True Lorillard, for winter fruiting, \$3.00.

Prices above are by the 100. Cash with order. Please. Samples of any, 10c. Address

RONEY BROS., FLORISTS, Northern Heights Greenhouses, WEST GROVE, PA.

100,000 FERNS IN FLATS - - -

At One Cent.

Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginellas, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock to the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J. Orchid Growers and Importers.

BOSTON FERN.

2½-in. pots, \$5.00 per 100; 3-in. \$8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY, West Grove, Pa.

Choicest Stock, Lowest Prices.

Roses—XX strong, in Brides, Meteors, Maids, Golden Gate and Perle, 3-3½-in. pots, 14 to 18 inches high, only \$3.00 per 100, cheap at \$6.00; 10.00 to sell.

Carnations—All grown from prize-taking stock, strong, healthy plants; Flora Hill, McGowan, Scott, Tidal Wave, Morollo, Pinree, only \$3.00 per 100; 15,000 to sell.

Geraniums—5000 Bruanti, Heteranthe, LaFavorite, White Swan and American Wonder, \$1.50 per 100; strong 2½-in.

Asparagus Sprengerii—XX strong, 2½-in., ready for 4-in., only 5c.

Ageratum—Princess Pauline, strong 2½-in., \$1.50 per 100.

Crimson Rambler Roses—field-grown, canes three to four feet, only \$10.00 per 100.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

ASPARAGUS PLUMOSUS NANUS, Strong plants from 2½-in pots, ready for a shift..... \$5.00

ASPARAGUS SPRENGERII, Large field-grown clumps. First size, to be potted into 6 and 7-in. pots..... 10.00 Second size, for 5-in. pots..... 6.00

BEGONIA REX, Fine stock in 3-in. pots, ready for a shift, best standard varieties 6.00

CYCLAMEN, Strong, bushy plants in 2½-in. pots, finest strain, three colors..... 4.00

CHINESE PRIMROSES, Globosa type, best strain grown; colors, white, pink and red, 2½-in. pots..... 2.50 3-in. pots, extra strong..... 5.00

BABY PRIMROSE, Extra fine, from 2½-in. pots, ready for a shift..... 4.00

NATHAN SMITH & SON, Adrian Mich.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDOENS GIGANTEUM—Finest strain in the world, in four true colors; a splendid stock of plants from 2½-in. pots, \$5.00 per 100, \$40.00 per 1000; from 3-in. pots, \$7.00 per 100, \$60.00 per 1000.

CHINESE PRIMROSES—(fringed) single and double, in the finest market varieties; from 2½-in. pots, \$2.50 per 100.

BEGONIA REX—(rooted cuttings) in 15 vars. mixed, \$1.50; assorted, \$2.00 per 100.

CINERARIAS—hyb. maxima grandiflora nana, from 2½-in. pots, \$2.50 per 100, \$20.00 per 1000. 250 plants of any of the above at the 1000 rate.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Rose Plants.

First-class, healthy plants. To close out we quote the following low prices:

- 500 Beauties..... 3-inch, \$4.00 per 100
- 1000 Perles..... 3 " 3.00 "
- 1000 Meteors..... 3 " 2.00 "
- 800 Bridesmaids..... 3 " 3.00 "
- 400 Brides..... 3 " 3.00 "

CARNATION PLANTS.

Strictly first-class and in fine shape. Mrs. Bradt, \$5.00 per 100. White Cloud, Flora Hill, Gold Nugget, Evanston, \$4.00 per 100. Wm. Scott, Portia, Victor, \$3.00 per 100.

A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago.

A New Catalogue entitled

Flowers and Floral Designs.

Twelve pages and handsome cover. Shows forty-one arrangements, with prices. For agents' use, or promoting out-of-town trade.

Sample, 40c in Stamps. Circular Free.

DAN'L B. LONG, Publisher, BUFFALO.

Beauties. Sprengerii.

AM. BEAUTY ROSES, good, 3-inch, \$6.00 per 100.

ASPARAGUS SPRENGERII, strong plants, ready for 3-inch pots, \$5.00 per 100, \$45.00 per 1000.

Robert F. Tesson, West Forest Park, St. Louis, Mo.

MY TRIP FROM THE CONVENTION.

After the convention and on my homeward bound, I stopped at several places to take a look around, I visited "Harris"—for here one much can learn. He's famous for the "Rubber" and the "Boston Fern."

His new French plate glass houses gave me great concern.

In these he grows his stock of his famous Boston Fern.

He grows them short and dense, and very cool and light.

He has a Ventilator that works both day and night.

These ferns they surely show a great display of skill.

And nature grants obedience to their master's will.

His general stock's conceded to be the finest grown.

But that he's taken up the fern is not so widely known.

So to all the trade from far and near, I would tell To buy your stock from Harris; he will serve you well.

If the space would permit, I would tell the nation

All I saw at his place, and give his quotation, JOHN SMITH.

As Mr. John Smith is so well and favorably known the world over for veracity, therefore in justice to Mr. Smith for the philanthropic interest he has taken in imparting horticultural knowledge to the public, and for the convenience of the same, I will give quotations on a few of my specialties as follows:

- BOSTON SWORD FERNS. Each.
- 6-inch pots well developed..... \$.75
- 8 " " " "..... 1.00
- 8 " " very strong and bushy 1.50
- 10-inch pans " " \$2 to 3.00
- 12 " " " " 4.00

- RUBBERS (Ficus Elastica).
- 6-inch pots, heavy foliage, 20 to 22 inches high..... .50
- 6-inch pots, heavy foliage, 30 inch high..... .75
- 8 inch pots, heavy foliage, 40 inches high..... 1.00

- FAMOUS BRANCHED RUBBERS.
- 8-inch pots, 20 to 25 inches high 1.50
- 10 " 30 to 35 " 3.00

- PANDANUS VEITCHII.
- 6-inch pots, fine stock well colored..... 1.00
- 8-inch pots, fine stock well colored..... 1.50

- PANDANUS UTILIS.
- 3-inch pots, no trace of spot or rust..... .10

- DRACENA SANDERIANA.
- 3-inch pots, top cuttings 8 inches high..... .15

- ARECA LUTESCENS.
- 10-inch pots, deep green foliage 6 feet high..... 10.00
- 12-inch pots, deep green foliage 7 feet high..... 15.00
- 14-inch pots, deep green foliage 8 feet high..... 25.00
- 16-inch pots, deep green foliage 10 to 11 feet high..... 50.00

- LIVISTONA ROTUNDFOLIA.
- 6-inch pots, compact and perfect 1.00

- LATANIA BORBONICA.
- 5-inch pots, 3 plants in the pot.. .30
- 6 " 3 " " " .50
- 6 " " single plant well developed..... .75

- ASPARAGUS SPRENGERII.
- 8-inch pots, strong, good color.. 1.00

- SAGO PALMS (Cycas Revoluta).
- 8-inch pots, well established 1.50 to 2.00

WM. K. HARRIS,

55th Street and Springfield Avenue, PHILADELPHIA, PA.

Nashville.

TRADE STAGNANT.—WHAT THE GROWERS AND RETAILERS ARE DOING.—PERSONAL MENTION.

The extremely hot weather of the past few weeks has had a very depressing effect on the retail florists' trade, though there is the satisfaction of knowing that it will now soon be over. Growers say their stock is looking well and promise an abundant supply for the season. Geny Brothers will soon have an early white chrysanthemum on the market, but other growers are not in a hurry to get them in as there would hardly be a very large demand just at present. Leon Geny will be married in a few days.

Mr. Joy, the elder, is enjoying an extensive trip to the lakes and Canada, of which place he is a native. They have made some additions to their greenhouses this summer and expect to do a good business this season.

Currey & Co. have painted up and improved their store, making it very attractive in appearance.

M. C. DORRIS.

SYRACUSE, N. Y.—L. E. Marquisee has been very much under the weather and has been in the Adirondacks for some time.

Hot-Bed

Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

- 3 ft. x 6 ft., 3 rows 10 in. glass.
- 3 ft. 3 in. x 6 ft., 4 " 8 in. "
- 4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1 3/4 in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,

Lockland, Ohio.

THE Regan Printing House

NURSERY SEED FLORISTS CATALOGUES

87-91 Plymouth Place,

CHICAGO

At it Again

Every Tuesday and Friday during September and October,

PALMS, CARNATIONS

And other seasonable stock

AT AUCTION

We want consignments from good growers. We can sell the goods.

N. F. McCarthy & Co.

84 Hawley St., BOSTON, MASS. CORRESPONDENCE SOLICITED.

Marie Louise Violets

CLEAN, HEALTHY, POT GROWN PLANTS.

\$4.00 per 100 * \$30.00 per 1000

L. L. MAY & COMPANY, ST. PAUL, MINN.

STRONG FIELD-GROWN PLANTS OF

Farquhar Violets.

Free from disease of any kind. \$6.00 per 100; \$50.00 per 1000.

JOHN McFARLAND, North Easton, Mass.

CANNAS.

Extra large clumps of the following varieties, \$3.00 per doz.

Egandale, Chicago, F. Vaughan, Robt. Christie, Alamania, Mille. Berat, Pres. McKinley and other good varieties.

W. W. COLES, KOKOMO, IND.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

Boston Ferns.

Extra fine plants from bench, ready for 6 inch pots, \$2.50 per doz. From 2-inch pots, \$3.00 per 100.

Cash, please. DAVIS BROS., Morrison, Ill.

Please mention the American Florist when writing.

VIOLETS

Field-grown Campbells and M. Louise, \$4.00 per 100, \$35.00 per 1000.

ROSES, Meteors, Perles, Maids and Brides; extra fine stock, 3-in., \$3.00 per 100, \$25.00 per 1000. Discount on large lots.

CARNATIONS, a bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for price list.

CRABB & HUNTER, Grand Rapids, Mich.

BOSTON FERNS,

Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$20.00-\$25.00 per 100. Also fine plants in 5-6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100, \$4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, \$8.00 per 100. Asparagus Sprengerii, 2-in., \$6.00 per 100. Kentia Belmoreana, 2 1/2-in. pots, \$10.00 per 100; 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00. Send for Particulare.

BOBBINK & ATKINS

RUTHERFORD, N. J.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/4-in. pots, strong and healthy. See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early From

Money Order Office, Sta. H. Philadelphia.

EDWIN LONSDALE, Wyndmoor, (Near Phila.) Pa.

N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

Please mention the American Florist when writing.

Field-Grown VINCA VAR. VINES

Per 100 First size, from 4 to 6 long vines to plant.... \$4.00 Large size, " 7 to 10 " " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz. GERANIUMS, S. A. Nutt and others, 3-in., \$4 per 100. NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.

ASPARAGUS PLUMOSUS, 2 1/2-in., \$5 per 100, \$40 per 1000. ASPARAGUS SPRENGERII, 2 1/2-inch, \$4.00 per 100; \$30.00 per 1000.

SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. Carl Hagenburger, W. Mentor Ohio.

WE ARE READY

For the coming season with the most complete and comprehensive line of "Florists' Supplies" to be found in America.

Being one of the LARGEST IMPORTERS AND MANUFACTURERS of

Florists' Supplies

We invite every Florist to step in and see our stock, if at all possible, or write to us for our **HANDSOME NEW ILLUSTRATED CATALOGUE**, which will be found complete and up-to-date. A few of our specialties are

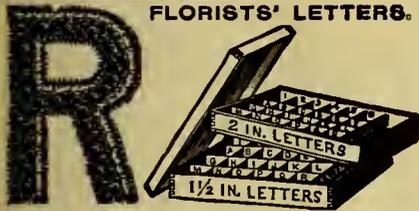
IMPORTED CYCAS LEAVES (dull and glazed), our **FAMOUS WHEAT SHEAVES, IMMORTELLES, CAPE FLOWERS** (all colors), **NOVELTIES IN FANCY AND PLANT BASKETS**, for every occasion; **POT COVERS, PEDESTALS**, and **EVERYTHING** that is needed by the trade will be found at **"HEADQUARTERS."**

M. RICE & CO., Importers and Manufacturers,

918 Filbert St., PHILADELPHIA, PA.

Boston Florist Letter Co.

MANUFACTURERS OF **FLORISTS' LETTERS.**



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardiniera, Wheat Sheaves and Immortelles.

New Catalogue of all **FLORISTS' SUPPLIES** on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

HEADQUARTERS FOR

COCOA FIBRE,
SHEEP MANURE,
BONE all grades,
IMPORTED SOOT,
SPHAGNUM and
GREEN MOSS,
RUSTIC WORK, all kinds,
CLAY FERTILIZER.

DUNNE & CO.,
34 West 50th St. New York.
30th St. New York.

HORTICULTURAL SUPPLIES.

We've thousands of readers and hundreds of advertisers. Each helps the other.

PURE RAW BONE MEAL

Put up especially for our trade. For Roses and Carnations

nothing equals it. Use it on Chrysanthemums and you will win the prize at your flower show for the best bloom. 10 pounds, 40c; 25 pounds, 75c; 50 pounds, \$1.25; 100 pounds, \$2.00; 1 Bag, 200 pounds, \$3.75.

THE VAIL SEED CO., Indianapolis, Ind.

Imitation is the sincerest flattery, but the best is good enough for anybody.

Campbell's Original Adhesive Ribbon Letters

BLOCK LETTERS SCRIPT LETTERS FROSIED LETTERS SILK MEMORIALS DIALS, ETC.

Satisfaction Assured. Send For Sample.

WM. CAMPBELL, 572 Mt. Vernon St., Camden, N. J.

ESTABLISHED 1866

EMIL STEFFENS

SUCCESSORS N. STEFFENS AND STEFFENS BROS.



SIGMUND GELLER

Importer and Mr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

Imported Prepared **CYCAS LEAVES**

LOWEST PRICES.

RECEIVING REGULAR SHIPMENTS.

Florida Natural Products Co.,

P. O. Box 273, Indianapolis, Ind.

SMILAX STRINGING Made Easy by the use of

MEYER Green SILKALINE

JUST THE SHADE OF THE FOLIAGE.

Samples and prices free.

JOHN C. MEYER & CO.,

60-64 Kingdon St. BOSTON, MASS.

For sale by leading Florists.



Invalid Appliance Co.,

MANUFACTURERS OF **COLUMBIA PLANT TUBS**

(PATENTED.)

"The kind that never fall apart."

If your workman doesn't handle them, order of us direct.

FACTORY AND OFFICE: 150-152 WEDDER ST., CHICAGO. TELEPHONE NORTH 953.

KIFT'S PATENT Adjustable Vase Holders

No. 1—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2—Heavy 4 ft. rod brassed and nickled, with three clasps for 5 to 6-in. pots, each, \$1.75.

Kift's patent rubber capped Flower Tubas, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist, Philadelphia, Penn. 1725 Chestnut St.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Herbs, etc. All tin, 50c.; all polished copper, \$1.00. Cash with Order. Weighs about 5 pounds. Buyer pays express. STEVENS & CO., 107 Chambers St., N. Y. City.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Buffalo.

LITTLE DOING SAVE FUNERAL WORK.—
STORE WINDOWS GAY WITH GARDEN
FLOWERS.—VARIOUS ITEMS OF INTEREST.

The weather is fair but there is little trade. The demise of State Comptroller Morgan last week caused quite a little work, designs and bouquets. Scott had an order from Albany for this funeral and made a very large and fine "rock of ages" with an unusual base. The stores are making good window displays with gladioli and asters.

Wm. Scott and several others were at Toronto last week, attending the exposition. It is said the horticultural features were about as in previous years. It is suggested that Toronto omit her fair in 1901 on account of the proximity of the Pan-American show.

Silver trophies are more plentiful than asters or fern leaves at Kasting's and all were won by our bowlers at New York. It is enough to make us feel good for a year at least.

W. A. Adams had the assistance of a few of the craft in celebrating the first anniversary of his marriage one day last week.

W. J. Palmer, Sr., suffered the loss of a son-in-law last week, an exemplary young man, and has the sympathy of the craft.

W. F. Kasting is at Saratoga. Visitors: Chas. Scrim, Ottawa, Ont.; H. J. Wise, East Aurora, N. Y.; F. B. Lewis, Lockport, N. Y. W. A.

CARROLLTON, ILL.—J. A. McPherson & Son have purchased the greenhouses and heating apparatus of Henley Wilkinson at White Hall, Ill.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the.....

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents. EDITORS OF THE "H. A." Chilwell Nurseries, LOWDHAM, Notts, England.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs. . . . \$2.00 Per Year. Sample Copies Free. Liberal terms to florists who take subscriptions. **THE GARDENING CO.,** Monon Bldg. CHICAGO.

"NICOMITE"

(PATENT)

Vapor Insecticide

POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

ALL GREENHOUSE BUGS.

SOLD BY SEEDSMEN.

The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

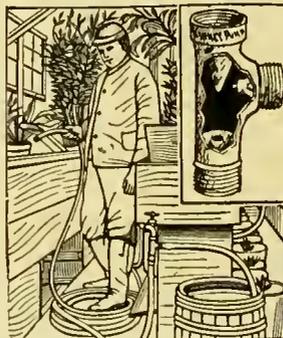


LIQUID PLANT FOOD

For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY,

Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.



THE KINNEY PUMP.
For applying Liquid Manure It has no equal!

Sent prepaid for \$2.50.
Without spraying valve \$2.00.

Address: **The HOSE CONNECTION CO.,** KINGSTON, R. I.

THE Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats. Subscription to the United States, \$4.00 per year Remittance to be made payable to H. G. COVE.

OFFICE:—

41 Wellington St., Covent Garden, London, England.

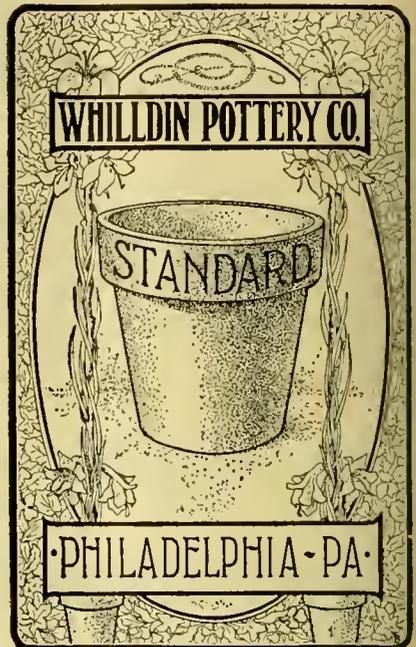
Die Bindekunst

Einzige Special Zeitschrift der Welt für BLUMENBINDEREI.

Probenummern umsonst.
Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,

ERFURT, DEUTSCHLAND.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.

Nikoteen Aphis Punk It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabcura Dip Co. St. Louis—Chicago.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

FLOWER POTTS

ALL KINDS.

STANDARD POTTS A SPECIALTY

List and SAMPLES FREE.

SWAHN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.



GEO. KELLER & SON,
MANUFACTURERS OF

Flower Pots.

Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

THIS IS THE HEATER,

AND THIS IS WHAT THEY SAY OF IT.



Form a Specialty.

PATERSON PLANK ROAD.

Messrs. THOS. W. WEATHERED'S SONS, 46 and 48 Marion Street, New York, N. Y.:

Gentlemen—I am highly gratified with the results I have obtained from your Sectional Boiler which you put in for me last October. Although you would only guarantee the six sections to heat 1620 feet of 4-in. pipe, I attached it to over 1,800 feet. It did it so well that I put on about 300 feet more, making in all 2,100 feet, and I am positive that I can add more to it. It is the best I have ever seen and a great coal saver. I have to keep the fire door open all the time. I would be pleased to have anyone call and see it. Yours truly,

George Schubert

WE REFER to the following named parties who have lately purchased and are using our Sectional Boiler:

E. M. Wood & Co., Natick, Mass.
David Dean, Astoria, N. Y.
Wm. G. Muller, Lyons Ave., Newark, N. J.
N. Y. Zoological Gardens.
Geo. Schubert, West Hoboken, N. J.

R. E. Shufelt, Chatham, N. Y.
A. E. Aldrett, Morrison, Ill.
J. W. Miller, Craighead, Pa.
John Scott, Flatbush, Brooklyn, N. Y.
Keap St. Greenhouses, Brooklyn, N. Y.

Geo. Fick, West Hoboken, N. J.
A. Brunner, Lyons Farms, N. J.
H. C. Patthey, Bayshore, N. Y.
Ditzenberger Bros., Bay Ridge, N. Y.

Established 1859. **THOS. W. WEATHERED'S SONS,** HORTICULTURAL ARCHITECTS AND BUILDERS, Mrs. of Hot Water and Steam Heaters. 46 Marion St., NEW YORK.

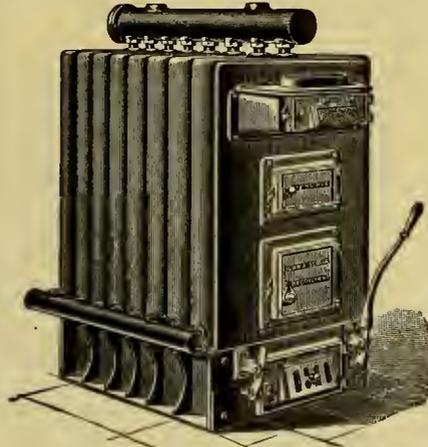
CYPRESS
IS MUCH MORE DURABLE THAN PINE.

CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.

GREENHOUSE AND OTHER BUILDING MATERIAL.

Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.

THE A. T. STEARNS LUMBER CO.,
NEPONSETT, BOSTON, MASS.



...THE...
SCOLLAY BOILER

FOR
Greenhouse Heating, Etc.
HOT WATER OR STEAM.

FARMINGTON, CONN., March 9, 1896.
"The Invincible Boiler you placed in my Carnation houses has given great satisfaction. I did not have to run the boiler hard even when the thermometer stood 18° below zero. It has proved 'Invincible' in every respect."
HUGH CHEANEY, Florist.

SEND STAMP FOR CATALOGUE AND PRICE LIST.
Estimetea Cheerfully Given.

JOHN A. SCOLLAY,
74 and 76 Myrtle Ave., Brooklyn, N. Y.

Boilers OF HIGH GRADE..

For **GREENHOUSES.**

See our Catalogue.

Steam and Hot Water
Giblin & Co., Utica, N. Y.

GARLAND'S IRON GUTTER AND DRIP CONDUCTOR. NO SNOW OR ICE.



GEO. M. GARLAND, - DES PLAINES, ILL.

LUCAS PAINT
THE BEST FOR PRESERVING & BEAUTIFYING
NO WATER NO BENZINE
BUT PURE OIL AND PERMANENT PIGMENT

MASTICA
FOR GLAZING GREENHOUSES.
Proven superior to putty. Easier to apply and stays on. Not affected by extremes of weather. Endorsed by prominent florists. Send for descriptive circular of Mastica and Mastica Glazing Machines.
Sole Mfrs.
F. O. PIERCE CO., 170 Fulton St., New York.

THE GORTON SIDE FEED BOILER

Is specially constructed so that it will maintain a steady fire all night without attention, which is a very important item to be considered in selecting a greenhouse boiler.

Send for Catalogue and investigate for yourself.

GORTON & LIDGERWOOD CO., 96 Liberty St., NEW YORK.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
RICHMOND, IND.

TELL THEM WHERE YOU SAW THE AD.

Cleveland.

MATTERS QUIET IN GENERAL.—TRADE LIGHT AND STOCK PLENTIFUL.—CLUB OFFICERS.

Little of interest has been taking place for the last two or three weeks. Flowers have been in sufficient supply at all times, with the possible exception of carnations, which, during the recent hot weather, have been suffering greatly. Asters have been of fair quality and among the greenhouse-grown stock some really excellent flowers have been seen, with stems two to three feet in length. This stock sold at from 75 cents to \$1 per dozen. Roses are slowly improving in quality but the price has not changed of late.

The annual election of officers of the Cleveland Florists' Club takes place at the next regular meeting, which occurs Monday, September 24. Following is the list of nominees: President, Wm. Brinker; first vice-president, Gordon Gray; second vice-president, Isaac Kennedy; secretary, A. H. Graham; treasurer, H. A. Hart. It is to be hoped that a larger attendance will be in evidence than has been the case of late.

Some carnation planting is still going on. The plants, so far as the writer has observed, seem to run smaller than last year, owing, probably, to the great heat of August. The stock is, however, exceptionally clean and healthy. A.

DES MOINES, IA.—I. W. Lozier has maintained his reputation by again capturing the sweepstakes prize at the Iowa State Fair. He is the only florist who has ever taken this prize. Alfred G. Lozier installed the display.

MORRIS, ILL.—A. Mitting, who has just returned from Europe, where he has been spending the summer with his family, has bought up three-fourths of the capital stock of the Morris Floral Company and assumed charge of the business.

SPRINGFIELD, MASS.—The Amateur Horticultural Society will omit its usual fall show this year because of the poor condition of dahlias and the lack of financial success of previous shows. The American Dahlia Society was to have held its annual show in Springfield this year, but nothing has been heard of it.



Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY.

Write for price list.

G. HENNECKE CO., MILWAUKEE, WIS.

....Send For Our....

NEW CATALOGUE No. 47

Just Out. (It is Free).

This Catalogue lists hundreds of lines of merchandise which will save you money. We buy serviceable second hand material and new stocks in sheriffs' or receivers' hands; in fact anything and everything which we can get at a price which will enable us to save customers money on every item, to undersell the market on every want. Here are some of the many lines which interest every florist:

- | | | |
|-------------------|--------------|-------------|
| BOILERS | CRATE BARS | PAINT |
| BUILDING MATERIAL | HOSE | PAPER |
| CEMENT | HOSE MENDERS | SASH |
| COUPLINGS | IRON PIPE | TOOLS |
| ENGINES | LUMBER | VALVES |
| FLUES | POTS | VENTILATORS |
| GLASS | PUMPS | WIRE |

And a thousand other items of daily necessity. Write today for our new Fall Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,

West 35th and Iron Sts.

CHICAGO.



EASY

It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....

THE CHAMPION VENTILATING APPARATUS

Catalogue is free. A postal with your name and address secures it. Address

COOLIDGE BROS., Florists, So. Sudbury, Mass.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20		
1500 2 1/2 " " " " 5.25	60 8 " " " 8.00		
1500 3 " " " 6.00	48 9 " " " 3.60		
800 3 1/2 " " " 5.00	48 10 " " " 4.80		
600 4 " " " 5.80	24 11 " " " 3.60		
320 5 " " " 4.50	24 12 " " " 4.80		
144 6 " " " 3.16	6 16 " " " 4.60		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY, OR.... FORT EDWARD, N. Y. AUGUST BOLKER & SONS, New York Agents 63 DEW STREET, NEW YORK CITY.

Please mention the American Florist when writing.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; ars 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

The Bottomless Pot

Pat'd,

MORE ESPECIALLY FOR VIOLET AND CARNATION CULTURE,

ALSO

THOSE RED POTS

"Standards."

Azalea Pots, Fern Pots, Bulb Pans.

DETROIT FLOWER POT M'FY,

Established 1853. DETROIT, MICH.

P. O. Address, 490 HOWARD ST.

HARRY BALSLEY, Traveling Representative.

Please mention the American Florist when writing

INDEPENDENT OF ALL TRUSTS.

GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hothed Sashes and Mats. Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

Please mention the American Florist when writing.

GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

LANCASTER, PA., June 17, '99.
MR. THERON PARKER,
Brooklyn, N. Y.:

Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900. Very Respectfully,

ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.,

226 North 9th Street,
BROOKLYN, N. Y.

THE MODEL PLANT STAKE for Lilies and all Pot Plants.



MY PICTURE AS A "KID."
(Presenting a rear view of a stern reality)

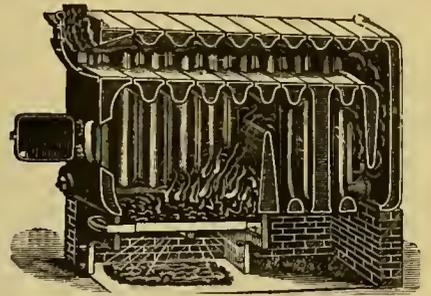
When I was young, you will observe, I was very backward; but I have got over that, and now come to the front claiming to have the best WATER HEATER, VENTILATING APPLIANCE and SASH HINGE for greenhouse purposes, that are in the market.

Furthermore, they are so simple in construction I can afford to sell them much cheaper than other styles.

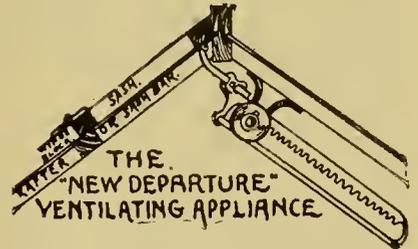
Now florists, don't be backward in sending for a catalogue. Remember, when you find you NEED a thing, the sooner you get it, the more you will have for your money, again I say "DON'T BE BACKWARD," but "keep up with the band wagon." Let me hear from you AT ONCE.

J. D. CARMODY, Evansville, Ind.

Please mention the American Florist when writing.



AMERICAN CHAMPION BOILER.



THE "NEW DEPARTURE" VENTILATING APPLIANCE

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO.,
YOUNGSTOWN, O.

Please mention the American Florist when writing.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

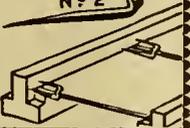
TANK WINDOW GLASS.

HOT-HOUSE GLASS A SPECIALTY.

Holds Glass Firmly

FULL SIZE No 2

See the Point of The Van Ruyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF **Pure Linseed Oil Putty, Paints, Brushes Etc.**

WRITE FOR LATEST PRICES.

Water Every Day in the Year for
Flowers and Lawns when

**RIDER or ERICSSON
HOT AIR PUMPS**

are used. Nearly 25,000 sold during the past
twenty-five years.

Send to nearest office for Catalogue "A 3."

RIDER-ERICSSON ENGINE CO.

28 Cortlandt Street, New York.	Teniente-Rey 71, Havana, Cuba	86 Lake Street, Chicago.
239 Franklin Street, Boston.		40 N. 7th Street, Philadelphia.
692 Craig Street, Montreal, P. Q.		22 A, Pitt Street, Sidney, N. S. W.



Valley Gutter and Drip Conductor. 54c per foot Without Drip Conductor. 40c per foot.

Jennings Bros., GREENHOUSE DESIGNERS... & BUILDERS.

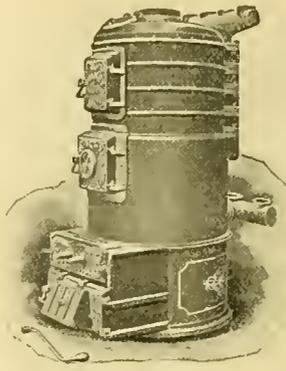
Mfrs of and dealers in Greenhouse Specialties.

Patent Iron Bench Frame Fittings, Improved Cast-iron Gutters and Plates.

Send for Catalogue. **Jennings Bros.,** Olney, Philadelphia, Pa.

Index to Advertisers.

Advertising Rates.....	232
Allen J K.....	237
American Rose Co.....	236 11
Amling E C.....	235 239
Barnard W W & Co.....	1
Barr S Alfred.....	238
Barrow J G.....	238
Bassett & Waeburn.....	235
Bayersdorfer H & Co.....	247
Bentley & Co.....	235
Berning H G.....	235
Beaulten H.....	235
Blackburn Die.....	248
Bano A & Co.....	249
Hobbs & Atkins.....	246
Boston Letter Co.....	247
Boyd J H H.....	240
Brickerhoff Geo M.....	239
Brown Peter.....	238
Brown & Canfield.....	242
Bruno H N.....	11
Budiong J A.....	235 243
Bunyard H A.....	234
Burpee W Atlee & Co.....	11
Buxton Geo E.....	241
Byer Bros.....	245
Caldwell the Wood- man Co.....	234 241
California Nursery Co.....	11
Campbell Wm.....	251
Carmody I O.....	251
Chadwick Chas.....	243
Chicago Lumber Co.....	242
Chicago House Wreck ing Co.....	250
Cincinnati Cot Flo Co.....	236
Clark Wm A & Son.....	246
Cleary & Co.....	238
Cohen J M.....	246
Cole W W.....	246
Conard & Jones Co.....	244
Conley John & Son.....	247
Coolidge Bros.....	250
Cottage Gardens.....	1
Crabb & Hunter.....	249
Crak Robt & Son.....	243
Crouch Mrs J W.....	239
Cunningham Jos H.....	245
Cunningham D O.....	251
Glases Co.....	251
Danley S T.....	238
Davis Bros.....	248
Deamond J B.....	24
Detroit Flor Pot Wks.....	25
De Smet Freres.....	245
Dexter Lillian Allen.....	236
Dietch A & Co.....	252
Dillon J L.....	242
Dorner Fred & Sons Co.....	241
Drost H A.....	251
Dunne & Co.....	247
Eastern Chemical Co.....	248
Eldholz Henry.....	241 245
Ernest W H.....	248
Ferguson John B.....	239
Finley Law Rake Co.....	247
Florida Nat Prod Co.....	247
Fluegge Wm.....	243
Ford Bros.....	237
Foster Lucius H.....	242
Gardeners Chronicle.....	248
Gardening Co The.....	248
Garland Geo M.....	249
Geller Edmund.....	247
Ghormley Wm.....	247
Gibbons H W.....	1V
Giblin & Co.....	249
Good & Reese Co.....	24
Gorton & Lidgerwood.....	249
Gullett & sons W A.....	240
Guthrie Wm H.....	237
Gurney Heater Co.....	232
Hagenbarker Carl.....	246
Hall Ass'n.....	251
Hancock Geo & Son.....	241
Harris Wm K.....	241
Harvey W P.....	241
Heacock Joseph.....	245
Hesse J B.....	239
Heller & Co.....	11
Hennecke C Co.....	250
Heredeen Mfg Co.....	1V
Herr Albert M.....	238 239
Herrman &.....	247
Herron Dana R.....	239
Hewe A H & Co.....	250
Hfinger Bros.....	250
Hill E G & Co.....	251
Hippard E.....	251
Hiltoning & Co.....	1V
Holton & Dunkel Co.....	234
Hooker H M Co.....	251
Horan Edw C.....	237
Hort Adv.....	248
Hose Connection Co.....	245
Hubbard T S & Co.....	240
Hunfeld C.....	242
Hunt E H.....	235
Inall Richard.....	241
Invald Appliance Co.....	247
Jackson & Perkins Co.....	246
Jackson E B.....	246
Jacobs & Sons.....	1V
Jennings E B.....	24
Jennings Bros.....	251
Johnson & Stokes.....	239
Kasting W F.....	235
Keller Bros.....	250
Keller Geo & Son.....	248
Kellogg Geo M.....	236
Keenott Bros Co.....	241
Kift Robert.....	247
Krschall Bros Co.....	1V
Kuehn C A.....	236
Kuhl Geo A.....	242
Lager & Hurrell.....	244
Lakeview Rose Garden.....	243
Lamprecht Bros.....	24
Lank Julius.....	251
Lee R A.....	234
Ley John H.....	244
Limprecht S J.....	237
Localand Lum Co.....	246 248
Long D B.....	244
Lonsdale Burtw.....	246
Lord & Burnham Co.....	111 1V
Loven J G.....	235
Lucas J & Co.....	249
Lynch W E.....	235
McCarthy & Co N F.....	236 246
McFadden E C.....	238
McFarland John.....	246
McKellar & Winteron.....	235
MacBean A S.....	244
Mader Paul.....	249
Marquise L E.....	241
May L J & Co.....	246
Meyer John C & Co.....	247
Millang & Co.....	237
Millang Frank.....	237
Miller J W.....	242
Model Plant Stake Co.....	251
Moller's Gartner Zei- tung.....	238
Moninger J C Co.....	250
Moon Samuel C.....	240
Moon Wm H.....	240
Moore, Hentz & Nash.....	237
Morris Floral Co.....	240
Moss Geo M.....	236
Murphy Wm.....	243
Murray Jas C.....	241
Myers & Co.....	252
Niessen Leo.....	236
Noenne & Hoepker.....	11
N Y Cut Glass & Stk.....	237
N Y Cut Flwe Co.....	237
Passmore Isaac.....	239
Peacock Sam I S.....	236
Pierce F O Co.....	249
Pittsburg Cut Flo Co.....	234
Pollworth C O.....	234
Prince A G & Co.....	235 244
Pritchard J N.....	234
Quaker City M o h Wks.....	249
Randall A L.....	235
Rauth Carl.....	241
Rawlins E L.....	242
Raynor J I.....	247
Reed Glass & Paint Co.....	250
Began Printing Home- steinberg Geo.....	245 243
Reinberg Peter.....	235 243
Retzer Walter & Co.....	1
Rice M & Co.....	247
Rider-Ericson Eng Co.....	11
Rodgers Alex.....	11
Roedder A.....	245
Roiker A & Sons.....	11
Roney Bros.....	244
Rupp John F.....	245
Sabrinsky W.....	241
Sader & Son.....	244
Schafer Mrs A M.....	241
Schenck S C.....	1V
Schillo Adam.....	1V
Schmidt J C.....	258 11
Scollay John A.....	249
Shendak W E.....	237
Shenrich & Son.....	1
Sittonone & Wanta.....	233
Skabura Dip Co.....	248
Smith Nath & son.....	244
Smurthwaite C A.....	11
Produce Co.....	11
Sau.....	238
Souster Geo.....	239
South side Floral Co.....	244
Stahl Chas H.....	236
Stearns Lumber Co.....	249
Steffens Emil.....	247
Stevens & Co.....	247
Storob H & Co.....	11
Storrs & Harrison Co.....	240
Styer J J.....	11
Sutherland Geo A.....	236
Swahn Pottery Mfg Co.....	248
Tesson Robt F.....	244
Thorburn J M & Co.....	248
Tinker F B.....	241
Tobacco Warehousing and Trading Co.....	248
Traendly & Schenck.....	237
Vail Reed Co.....	247
Van Wert Greenhouses.....	239
Vaughan's Seed Store.....	238 239 245 11
Vick's Sons Jas.....	11
Vincent & Son.....	245
Viola.....	11
Vredenburg & Co.....	11
Wabash R R.....	11
Watson G C.....	11
Weatherly G W.....	241
Weatherud's Sons Thos W.....	240
Weber H & Sons.....	241
Weeber & Don.....	11
Welland & Blech.....	235
Welch Bros.....	236
Wetlin W A.....	241
Whitlida Pot Co.....	248
Wickersham E & Co.....	241
Whitor Bros.....	235 242
Willis Chas.....	239
Witbold The Geo Co.....	1
Wood Bros.....	240
Woodroffe & Bern- helmer.....	235
Wood, Stubbs & Co.....	238
Wrege I.....	11
Young Jas.....	237
Young & Ngent.....	237
Young Thos Jr.....	237
Zirngelbel D.....	238



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse

RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., PHILADELPHIA, PA. (ESTABLISHED 1849.)

WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.

GREENHOUSE MATERIAL,

Cal. Red Cedar and Louisiana Cypress.

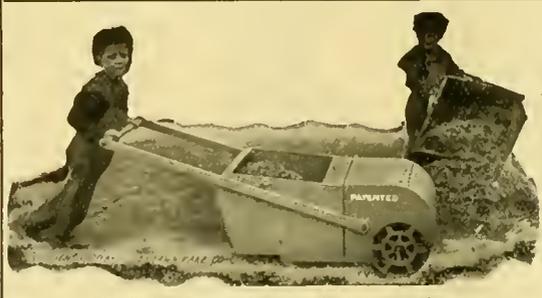
BEST GRADES. PERFECT WORKMANSHIP.

A. DIETSCH & CO. 615-621 Sheff-ld Ave. CHICAGO, ILL.

THOSE FALLEN LEAVES

CAN BE KEPT OFF THE LAWN WITH LITTLE EFFOR IF YOU HAVE A

FINLEY ROTARY LAWN RAKE.



The Finley Rotary Lawn rake in Operation.

It picks them up and holds them until you are ready to deliver them to your burn heap or compost pile.

The wind can't blow them about after once raked. It does the work much better than the hand rake, and does it three times as fast. It takes up grass, either long or short, twigs and loose litter of any kind, stones included, that a hand rake would not touch. It will save its

cost: to 60 days on any good lawn. Price, \$12.00 It was given a Certificate of Merit by the Society of American Florists at the New York Convention, the judges reporting that they "Believe it to be far superior to anything else in the market."

Send for Illustrated Circular.

FINLEY LAWN RAKE CO., Joliet, Ill.

BRISTOL, VT.—C. H. B. Chapin, formerly of this town, is soon to engage in the florist business in South Framingham, Mass.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI. CHICAGO AND NEW YORK, SEPTEMBER 22, 1900. No. 642.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. Wood, Natick, Mass., president; F. R. Pierson, Tarrytown, N. Y., vice-president; Wm. J. Stewart, 67 Bromfield St., Boston, Mass., secretary; H. B. Beatty, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo August, 1901.
OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 32 PAGES WITH COVER.

CONTENTS.

A little talk about dahlias	253
The bamboo (illus.)	254
A peep at Flatbush	254
Exhibition crotons (illus.)	255
A chat with Craig	255
Carnations—Feeding and root development	256
Begonia E. G. Hill (illus.)	256
Sweet peas in pots	256
Pansy culture in the northern states	257
Show room at Jansen's (illus.)	257
New York	257
Boston	258
Philadelphia	258
Chicago	259
St. Louis	259
Detroit	259
Notice to plant introducers	260
Society of American Florists	261
Greenhouse building	260
Coming exhibitions	260
Hardiness of Pink Pearl	260
Galveston, Tex.	260
Denver	260
Helpful reminders	261
Catalogues received	261
The seed trade	266
Omaha	266
The nursery trade	278
Our pastimes—At St. Louis	270
—Dunlop's employes' cycle races	270
—At Denver	270
Montreal	272
Lincoln	274
Providence	276
New Haven	278

A Little Talk About Dahlias.

[Read before the Pennsylvania Horticultural Society, at Philadelphia, September 18, 1900, by Lawrence K. Peacock.]

I will preface my remarks this evening by a few historical facts, but will be as brief as possible. When we think of the hundreds, yes, thousands of years, during which roses and some other flowers have been cultivated and improved to reach their present high standard of excellence, it seems scarcely credible that the flowers staged here this evening have been developed in a little over 100 years. Yet such is the case, and is it any wonder some of the dahlia enthusiasts predict such a glorious future for their favorite flower?

The first double dahlia dates back to only 1814, and by double, at that date, was not meant one of those magnificent specimens you see here to-night, but just a double row of petals with a yellow center. But this was sufficient and in only sixteen more years, or in 1830, double dahlias of most beautiful form and color had been developed. This was the beginning of the dahlia supremacy, and in 1840 they were universally grown. These were the good old times when our grandmothers grew them in those marvelous old flower gardens, which we sometimes stumble across even at this date.

Perhaps some of you can remember the spirited rivalry between Mr. Schmidt and the late Robt. Buist. Philadelphia was then, as it is now, headquarters for dahlias and it was here the greatest interest was centered. The late Thos Cartledge, who when a boy was employed by Mr. Schmidt, often told me amusing anecdotes in connection with Schmidt's dahlias, how Mr. Schmidt, after getting first honors in competition with Mr. Buist, would always go to Europe and secure the finest new productions in order to keep ahead of Mr. Buist's skill as a plantsman.

It was at this time that some of our finest show and fancy dahlias were introduced. At this period every flower must have a certain form, shape of petal, etc. The growers could see no beauty in long or irregular petals. Their type was a perfect ball, with the outer petals reflexed to the stem and absolutely full to the center. This was then perfection, but these types became monotonous to the younger generations and this, primarily, was the cause of the dahlia losing favor.

On a bright, cool morning in September,

1890, I was driving along a wayside or back road in a rural district of New Jersey. I saw one of those old-fashioned gardens. It was an old homestead that had been in the possession of one family for seven generations. Here and there were modern flowers in close proximity to the old fashioned ones. But what took my attention was several large bushes almost completely covered with the most exquisitely delicate pink flowers. On closer inspection these proved to be dahlias, but of an entirely new form which so much resembled a water lily as to suggest the name.

In 1893 the Nymphaea dahlia was introduced as the greatest floral novelty of the century. At once new interest was given to dahlias. Two years later one firm sold as many Nymphaeas as all other dahlias combined. Thousands of cut flowers of this variety were sold at a higher price than that ruling for roses. The rest of the story you know. You see it here to-night, in the exhibition of dahlias, in spite of the most unfavorable season we ever experienced, and I understand a dahlia exhibition will be a fixture for all time to come at the September meeting of the Pennsylvania Horticultural Society.

Have you noticed the marvelous advance made in the cactus and decorative types? Some are almost fantastic and yet the season has been so hot and dry that many of the finer ones could not develop flowers at all creditable out in the hot, dry fields, but you can all grow them to their highest perfection.

If you are out in the country, plant them on either side of the gutter or covered drain leading from the pump. In the cities or towns with water service, just remember that in the spring when there is plenty of water and streams are high, that the sturdy young dahlias want only thorough cultivation and little or no water. But when the streams are low and the officials tell you to be saving with water, the dahlias open their beaming faces to look for the water they want. Like the precocious youngster, they only want it when it is hard to get. Rules or no rules, give the dahlias all the water they want. Let the faucet run all night and you will be well repaid by the appearance of your dahlias next morning.

It is well to remember right here that to feed or stimulate a plant while it is young and growing is to develop it to large size. A large dahlia plant in a dry time will evaporate a large amount of

water each day and will soon suffer. Therefore keep your dahlia plants as small as you can without checking them, and they will bloom when quite small. Then, when they begin to bloom, feed them and water all you like and you will get a mass of flowers instead of a mass of leaves.

Never let the soil around your dahlias become hard or baked. Nothing will stop them from blooming more than this. If the buds blast or open on one side, they lack moisture in most cases. If the plants are too full of buds at this time, disbud. The exhibition here to-night will give you all needed information as to varieties, and for a complete list I refer you to the catalogues of the various seedsmen and plant dealers.

The Bamboo.

In addition to ferns and palms, perhaps the most valuable plant a florist can grow for decorations is the Japanese bamboo, which is really a strong perennial grass. They are graceful, durable, furnished with foliage down to the pot and harmonize with any companions one may be obliged to use. The only disadvantage is that our American houses do not furnish established plants and the imported clumps require so much time in getting an American "move on."

They require a rich loam, well drained but never dry. Temperature and light suitable for palms please them. Being a grass, each season's growth starts afresh from below the ground. For this reason the annual shifting, when needed at all, should be done in early summer, when pots well filled with stems can be divided. If carefully done, with good soil, they make vigorous shoots which develop before autumn and continue to produce a few fresh leaves almost annually, but the principal development should be secured now.

There is no plant so well adapted for use with carnation blooms; the bamboo not blooming, and the carnation being marketed without foliage, has brought them into sympathetic harmony. Quite frequently a tall bamboo placed in an archway between two parlors, with four dozen fancy carnations wired on makes one of the prettiest decorations you ever saw and at a fashionable reception one-half the guests exclaim: "I never knew carnation plants were so tall." They also harmonize with the various lilies or gladioli, or monthretia as shown in the accompanying illustration. C. B. W.

A Peep At Flatbush.

Carnations are all housed at Flatbush, chrysanthemums are budding, grapes turning purple and pear trees breaking down under their load of ripening fruit. Great blazes of salvia illumine the gardens and a pleasant autumnal fragrance pervades the air. Finishing touches are being given to repairs; gutters, benches, pipes, etc., are being put in readiness for the winter's work while the luxuriant platoons of rubbers, azaleas, euphorbias and heaths out in the open frames seem to turn their heads beseechingly toward the greenhouses and set their owners to studying the annually recurring problem of how to accommodate in the same area of bench room twice as much material as was crowded in last year. It was always so and undoubtedly will be so as long as there is a floral establishment left on earth, that, no matter how large the range of glass may be, there is invariably enough stock to fill another house

or two—hence it is that the profits, when there are any, all "go into sash."

Sauntering up Clarkson street, which is the principal thoroughfare of the floricultural interests of Flatbush, one has scarcely time to fully appreciate the pleasing impression made by the smooth lawns and tasteful plantations at the corner of Flatbush avenue, which are under the care of Ornamental Horticulturist P. Riley, the pride of the Flatbush bowling fraternity, before the attention is arrested by the dazzling parterre of cannas, salvias, coleuses and alternantheras backed by enormous caladiums, which adorns the entire front of the thrifty establishment where, for more than a quarter of a century, Louis Schmutz has been turning out plants, agility and wit in equal proportions.

The caller finds that industrious gentlemen ever ready to lay away the pruning shears or the digging fork and place his time and assistance at the disposal of a visiting brother florist. Everything betokens prosperity, and the marks of intelligent culture are seen in every house. There are long ranks of "branching rubbers" calculated to fill even a W. K. Harris with envy. There are cyclamens and primroses in pleasing luxuriance, poinsettias, kentias and arecas and two

long benches of Mr. Schmutz's favorite Peruvia pepper plant bright with many hued berries, while 25,000 lilies are clamoring for space in the already well-filled houses. Mr. Schmutz has potted a lot of the hardy *Yucca filamentosa* and there seems practical wisdom in his suggestion of the usefulness of these symmetrical plants for window and hall decoration, their immunity from injury by frost giving them a distinct value as compared with dracenas.

Visitors to Dailedonze Brothers' at convention time found the carnations all housed and everything already in order for the winter campaign at this noted place. With the exception of The Marquis and Lawson, all varieties look well contented after their first month's sojourn under glass. In the case of the two varieties specified the benches disclose numerous vacant spots where the plants have died out, The Marquis suffering particularly in this respect. In an adjoining bed in the same house is seen The Marquis' rival, seedling No. 3, which captured the cup at Buffalo, looking very much at home.

Notwithstanding the disadvantages of the very dry summer, carnations have, as a rule, made an excellent growth. Beyond criticism in any point are the



BAMBOOS FOR FLORISTS.

plants of Genevieve Lord, which are already giving a few fairly good flowers, this being one of the earliest bloomers among the novelties. Cerise Queen, always a difficult subject, shows considerable improvement over last year; Mrs. James Dean is also better than ever before and G. H. Crane immeasurably so. White Cloud, while less rank in growth than was the case last season, seems firmer and decidedly better in all respects. Of this variety Dailedouze Brothers are growing less this year than heretofore, and more of Flora Hill, their experience being that the latter is the greater favorite with the buyers and that it is also a decidedly better keeper and shipper. Plants of Flora Hill are only moderate in size this season. This and Scott are the only varieties furnishing good flowers in any quantity as yet. Lawson has not begun to throw up any stalks yet, the buds produced so far being almost stemless. Gomez and Maceo, the two new crimsons, are looking healthy. The former is throwing a good many flowers already but they are thin and really good blooms are not expected for some time. J. Whitcomb Riley, Eldorado and Bradt are all in promising condition. Nothing finer than Ethel Crocker can be imagined. In uniformity of size, in vigor and luxuriance it appears at this stage the ideal commercial carnation and is undoubtedly here to stay. Remarkably vigorous, also, is the famous 666, which is to be disseminated next March.

Chrysanthemums here are fully up to their past reputation. The abundance of asters of fine quality in the market at present removes all inducement in the direction of very early chrysanthemums, which could not be made to pay under existing conditions, so nothing earlier than Montmort is planted here, blooms of which will not be ready until the last of September. Lilies are unusually even and look remarkably promising this year. They will be in excellent shape by the time the chrysanthemums have moved out and left room for them in the houses.

Mrs. P. B. Meissner has erected four new houses this season. Under Mr. Woerner's care the stock in houses and frames is in perfect condition and he shows it with commendable pride. Two houses of Adiantum Farleyense are a tempting sight. There is one house of home-grown kentias with which imported stock cannot compare and a house of cyclamens of highest quality. Boston ferns, araucarias, ficuses, ericas, pandanus, oranges and cattleyas are all specialties here and there is, also, a fine lot of azaleas held over from last season, when their buds were lost in the early freeze, which now appear to good advantage.

Oranges were never better than they are at Zeller's this year. In foliage and fruit they are just about perfect but there are not so many very large plants as there were last year. The fruit is now coloring up fast. Handsome ardisias and a big lot of primroses that will be just right for Christmas are among the temptations soon to be set before the distinguished buyers from across the river who know where to look for choice stock of this kind.

DENVER, COLO.—Mr. Valentine, of the Park Floral Co., is vacationizing in the mountains.

ROCKVILLE, CONN.—Theodore Standt is to have charge of the floral department at the Rockville Fair.



Johannis.
Warrenii.
Cronstadtii.

Mrs. Dorman.
Superbus.
Chelsonii.

Alba lineata.

Nobilis.
Aighburthensis.
Prince of Wales.

CROTONS EXHIBITED AT BOSTON BY WM. DONALD.

Exhibition Crotons.

The plants shown in the illustration are a part of the exhibit of twenty-five varieties which won for Wm. Donald first prize in a keen competition at the recent annual exhibition of the Massachusetts Horticultural Society at Boston. Mr. Donald gives us the following notes on his method of culture:

For the production of exhibition crotons limited to 6 inch pots much depends on the selection of varieties. Those with long, drooping leaves are the more suitable. The form of the plant when finished ought to resemble something like a fountain spray. Many good varieties, such as Queen Victoria or Mortii, although well suited for large specimens, lack that charming gracefulness so apparent in such varieties as Warrenii or Johannis.

In order to bring out their coloring in all its brilliancy they have to be placed close to the glass. By the middle of August their training ought to be completed so that they will stand without shading and take all the heat which it is possible to give them without setting them afire. I have tried many sorts of fertilizers and have had to go back to the old reliable Clay's.

A Chat With Craig.

Robert Craig seems to share with Louis Schmutz the secret of making "natural branched" rubber trees. W. K. Harris, who first gave this acceptable form to the horticultural trade, has apparently been quite outclassed by these later comers. "William can't get but twenty in a hundred," says Craig, "we get 'em all."

Cyclamens look well under a protection of slats. They have been there all summer and Mr. Craig says he finds that they like it, ripen up better and are more easily managed than under glass. With this method the grower gets a bigger lot of flowers at once, just when wanted,

at the holidays. He waters them with the hose.

Azaleas are luxuriating in the open sun. These are a lot that had their flower buds injured last year and had to be kept over. No imported plants could look better and few look as well. They are allowed to break into a slightly irregular outline in the belief that the American public will prefer them in this form to the conventional close cropped, flat-headed Belgian style. They are plunged and covered with a mulch of old cow manure two inches in depth, and the only care they get is abundant watering to keep the spider down.

Mr. Craig says Lonsdale's evaporating pan is the best thing for the purpose ever invented. He styles it a positive insect eradicator and would not think of dispensing with it in any of his houses.

Quantities of cycas stems are planted here and Mr. Craig makes it a point to ensure good roots before allowing them to grow much at the top. This is secured by plunging them in manure, thus getting a good bottom heat while the heads are kept cool. Grown otherwise they are apt to wilt.

Amaranthus Sunshine, sent out recently by Benary, is making a grand blaze of color in the garden beds at Mr. Craig's. The effect closely resembles that of numerous poinsettia heads, the color tending somewhat more to orange, however. The plants are raised easily from seed.

Mr. Craig believes in giving Begonia Gloire de Lorraine plenty of sun and continuously. He uses a movable slat shading during the fierce heat of the mid-day sun, but that is all, and his plants give substantial evidence of the value of this treatment in their chunky, robust appearance. He finds Lonsdale's Pale Pink Lorraine an indispensable variety and much in demand by the retailers, who consider it a better keeper in the store than the common variety. A lot of pans containing four or five plants each are being prepared with a view to special

adaptability to dinner table adornment. Mr. Craig sees a promising future for Rex Begonia Lady Annesley. This is a new variety with fine silvery foliage, the leaves handsomely modeled and the habit of the plant being exceedingly neat and graceful.

A house of crotons in extensive variety is one of the most interesting sights at Mr. Craig's. To this establishment mainly belongs the credit of showing the grand possibilities of the croton as a summer bedding plant. Louis Schmutz's pet Peruvian pepper plant is seen here in all its odd and striking range of fruit coloring, green, white, yellow, orange, purple and scarlet, all on one plant. They are raised from seed.

CARNATIONS.

EARLY FEEDING AND ROOT DEVELOPMENT.

When to commence feeding carnations is a question often asked and, like most other questions relative to carnation culture, it can only be answered by saying that it depends largely on the condition of the soil. With ninety-nine out of every 100 growers the soil into which the carnations are planted is rich enough to carry them for at least three months in good, healthy, growing condition. Even at the end of three months of indoor growth it requires the use of the grower's best judgment to know how much stimulant to give them or whether

they rather suffer by this method of treatment. Excepting in some very sandy soils, when the plants are lifted they lose a large percentage of their fine feeding roots and the growers' first object should be to replace these roots and add to their number because naturally the carnation is a water loving plant and divested of all these roots it is not capable of taking up all the moisture necessary to the health of the top of the plant. Over-feeding retards the development of these roots and is therefore especially to be avoided at this time of the plants' growth. When the plants have filled the soil with these little feeding roots then, and then only, should the forcing process begin.

Watering is, in a measure, feeding and in order to encourage the development of roots it requires considerable study. A carnation plant should never be allowed to suffer for want of water, but at the same time the soil should not be so continually filled with water that there is no necessity for the plant to push out new roots in order to supply its wants. When watering do it thoroughly, so that the plant has an abundance and can fill its cells to their utmost capacity; then do not water again until the soil becomes comparatively dry, not actually dry, by any means, as at this stage of their growth this is especially to be avoided. As the soil loses its bulk of water the plant in order to keep up its supply will

up and not lying on the ground, and have them free from all insects. There is no better time than right now to get rid of all insects by a thorough fumigation with tobacco stems twice a week. If this is done now, before the flowers come, you can have the plants so clean that the cleanlier but less effective methods will keep them clean for the balance of the season.

ALBERT M. HERR.

Begonia E. G. Hill.

This variety, which originated at Worcester, Mass., is a seedling from B. Duchartrei and was probably fertilized with the pollen of B. sanguinea, as the two plants stood side by side when in full bloom, but this is only a supposition. In its drooping character, and with leaves on the peduncles, it resembles B. Duchartrei and in the color of its leaves and flowers those of B. sanguinea. The comparative size of the flowers of these three varieties are: B. Duchartrei, two and one-half inches across; B. E. G. Hill, one and one-half inches; B. sanguinea five-eighth inches. It is a good grower and an excellent kind for hanging baskets. The plant illustrated is the original seedling and when photographed was three feet across.

JOHN COULSON.

Sweet Peas in Pots.

The plants shown in pots at the sweet pea conference in late July were a sorry looking lot after their return from the Crystal Palace. However, they were cut back and given a little manure, and within a month were well in flower again. Many of the plants are flowering for the third time, those which were exhibited at the Royal Horticultural Society's meeting on June 19. This will give some idea of what may be done with sweet peas in pots. We find that after being used for exhibition all the buds drop and it is better to cut the plants back at once; they soon branch out and in less than three weeks many of them will be in flower again. It is important to look carefully after watering, for the roots soon suffer if they get very dry, and an excess of moisture is equally damaging.

Plants for early flowering may be kept under glass, but I find they do better grown in the open, where they are well exposed to the sun. The pots may be plunged into the ground but should not be left long enough for the roots to get through into the ground. A twist around occasionally will prevent this. The sorts that do not stand the sun well may be taken under glass or put in the shade for a day or two before they are required for use and this will ensure flowers of a brighter hue. I may mention that the week after the show the collection growing in the open ground seemed hopelessly dried up and had scarcely a good flower on them. The rain which came a few days later revived them, and those which had all the seed taken off made quite a fresh start and are now quite gay with bloom again. There are not so many flowers on a stem, but the individual flowers are equally good and the colors appear even brighter than the earlier ones.

H.

BALTIMORE, MD.—There will be no autumn show at Baltimore this year except a small one at the club rooms, free to the public. The club was too greatly discouraged at the results of last year to attempt another big show.



BEGONIA E. G. HILL.

they had better be left without any for a while longer.

If the plants were housed in the early part of August, the three months' rule would bring the extra feeding into use early in November. If planted the early part of September it would throw the extra feeding into early December. Carnations are not such rank feeders that they must be fed from the day they are put into the houses. On the contrary,

throw out little rootlets in order to increase its power of absorption and, if this increase is carefully nurtured by the study of their water requirements, by the end of three months the soil will be full of roots ready and eager to carry food to the tops of the plants.

At the same time it is well to see to it that the tops of the plants are in condition to do their share toward the formation of these roots. Have them staked



SHOW ROOM AT ED. JANSEN'S, NEW YORK, DURING THE S. A. F. CONVENTION.

Pansy Culture in the Northern States.

The proper time to sow pansy seed is in the first two weeks of August. To be successful with them, the seed should be sown rather thinly in rows five inches apart. A frame well prepared for the purpose is the best place and shaded sash for covering is the most convenient. Plenty of air and water will soon bring them up, after which the sash should be removed to prevent drawing.

In the meantime frames should be gotten in readiness for transplanting. A good, rich soil is the best for them, with a little sand, to keep the ground loose, and a little well-rotted cow manure will not hurt. The frames should be well drained so that no water can stand in them. The walks should be a foot lower than the soil in the frames and, where one has cinders left over, it is a good plan to fill up the walks with them; they make a nice walk and are excellent for drainage.

After the plants have made their second pair of leaves and the weather is cool enough, they should be transplanted four inches apart each way. This may seem little room, but it is plenty, for they will make splendid plants for May sales. During the transplanting, if it is hot, they should be covered until they have taken root nicely; then remove the sash and keep watered as long as is necessary, although the fall rains are usually enough.

There is really no proper time set for covering them for the winter, because it all depends on the weather. Sometimes they grow until the middle of December and as long as they are growing the larger and stronger they will be to stand the

hard winter. It is sometimes necessary to cover with shaded sash before covering them for good, as the continual thawing and freezing will lift them; but after the ground is frozen solid and the winter sets in thoroughly, then is the time to cover them.

I find good, dry hauled straw as nice as anything, with the chaff shaken out, so it will not pack too tightly around the plants, for in the spring when the ground starts to thaw it is more apt to rot them than the clear straw, and then it is easier to shake it out of the straw than to pick it out of the frame. About six inches of the straw scattered rather loosely in the frame ought to be enough, with shaded sash placed over them, to keep out the snow and rains. The main thing is to keep them dry, and after covering them in this way, there is nothing more to do.

Keep them dark, so that the ground will not thaw out, and keep the sash down tight all the time until there is a sign of a general thaw, which does not usually occur until about the last of March. Then, if the ground is thawed out naturally, the straw can be taken out and the sash left on until the little plants get accustomed to the light and begin to grow. Then, some cloudy day, the sash can be removed entirely; but if the nights are still freezing they had better be covered.

After the weather has become mild and the plants begin to grow, keep them rather dry or they will get too large. Some of our plants last May had from twenty to thirty blooms on them and were really too large. JOHN ROGERS.

Show Room at Jansen's.

Our illustration gives a view of the show room at Ed. Jansen's new basket warehouse in New York city, decorated in honor of the visit of the S. A. F. On Wednesday afternoon, the second day of the convention, Mr. and Mrs. Jansen entertained the visitors in the most delightful manner. Music and refreshments were a part of the programme and the affair being purely social and complimentary, no goods were sold or orders taken.

New York.

CUT FLOWER MARKET TAKES A BRACE BUT MONEY IS TIGHT—GROWERS WORRYING OVER COAL SUPPLY.—THE SALE AT DREYER'S.—STEM ROT OF CARNATIONS.—SEEN AT DORVAL'S.—VARIOUS NOTES.

With the shortening up of cut flower crops consequent upon the advance of the season and cooler weather, values have advanced materially and the receipts are marketed to better advantage than has been the case for many weeks. Wholesalers are correspondingly elated and growers are also feeling much better. First quality American Beauty roses are in demand. Even asters bring the dollars out of buyers' pockets as they have not done before this season. The principal complaint heard in the wholesale section is as to the difficulty in collecting accounts, money being apparently very scarce with florists at present. The bugaboo of the growers in the prospect of a coal famine and sky scraping prices. Very many of the growers hereabouts are unfortunate enough not to have laid

in a single pound of coal yet and it is natural that they should be much disturbed at the prospects as affected by the big strike.

The sale at Dreyer's Woodside establishment was well attended and Auctioneer Cleary had the satisfaction of turning over a good quantity of useful plants at fair prices. Mr. Dreyer is very well pleased with his experiments in growing palms from seed and predicts the early demise of the palm importing business as soon as growers realize how much better plants can be grown at home. *Livistona Chinensis*, of which he has a good stock now, bids fair to supplant *Latania Borbonica* as a house palm. These two names are given as synonyms by various authorities but the form here referred to as *Livistona Chinensis* is quite distinct from the common form of *Latania Borbonica*. The foliage is darker colored and more leathery in texture and the plants more compact and stocky than in the old sort. Cycads, Japanese fern balls and araucarias are still outside, protected from the full sun and wind by a framework of laths.

Adjacent to Mr. Dreyer's place is Victor Dorval, whose establishment is devoted exclusively to the production of flowers. A sheet of white seen from a long distance is a plantation of tuberose, the value of which in the market to-day is not at all to Mr. Dorval's liking. A number of houses are filled with chrysanthemums and the sheds are piled high with cases of forcing bulbs to follow the chrysanthemums as soon as cut.

Chas. Lenker, who is a prosperous carnation grower at Freeport, insists that stem rot in carnations is due entirely to mismanagement and abuse of the plants when in the cutting stage. The absence of any trace of this prevalent trouble in his houses furnishes him with a potent argument in support of his views. He has 18,000 plants and they are exceptionally fine, Ethel Crocker being perhaps the finest of all. Lady Emma is still a favorite here and at the top of the list as a money maker, in Mr. Lenker's experience.

Lewis Collins, secretary of the Tree Planting and Fountain Society of Brooklyn, has issued a statement to the public to the effect that the San Jose scale has been found in over 200 gardens in Brooklyn alone and urging the dissemination of facts relative to the danger from this most destructive of all garden pests and the means of successfully holding it in check.

J. W. Feeter, of Highlands, sent the first violets of the season to Thomas Young, Jr., September 8.

A. Dimmock has gone to Boston for a week, with some choice plant novelties.

John J. Perkins has removed to 115 West Thirtieth street.

Boston.

TRADE SHOWS NO SIGNS OF AWAKENING FROM THE SUMMER SOLSTICE.—DECIDED CHANGE IN WEATHER FAILS TO AFFECT THE FLOWER TRADE.—STATE OF THE MARKET.—GOOD SATURDAY SHOW AT HORTICULTURAL HALL.—VARIOUS NOTES OF PERSONAL AND OTHER DOINGS.

There was a splendid exhibition at Horticultural Hall on Saturday, September 15. Hardy asters were glorious, a number of exhibitors contributing. Another superb collection of hardy herbaceous flowers was shown by the Blue Hill Nursery, to which exhibitor every first prize for garden perennials has been awarded this season. They report a

large advance demand for fall delivery from customers who have followed up the exhibitions. Carl Blomberg had an interesting collection of native flowers. Rea Brothers staged 150 vases of garden phloxes and very large displays of dahlias were made by W. G. Winsor and H. F. Burt. The fruits and vegetables shown were unusually good.

Heavy rains and chilly winds have superseded the scorching dry weather which was the cause of so much grumbling. The beach resorts are deserted, swamp maples are already dressed in scarlet and straw hats have been called in for the season, but, up to date, the flower trade hasn't budged from its summer doze. All are eagerly watching for premonitions of the revival which is now overdue, and various are the reasons advanced for the unwelcome delay. The impression seems well rooted, generally, that very little in the way of business activity may be expected until after election and that patience will be a good plant to cultivate for the next six weeks. There is a great abundance of roses of varied quality. Funeral work helps out on the white ones somewhat, but the other colors go very hard. Carnations are improving, especially Scott, for which no successful rival as an early fall bloomer yet appears. Asters are still with us, tuberose are entering on their innings and there are plenty of Japan lilies. Dahlias, which hold so prominent a place in the exhibitions, are conspicuously absent from the florists' stock.

The foundations of the new horticultural hall are being rapidly completed and the noble building will soon begin to rise. There are anticipations of unprecedented triumphs in the line of exhibitions when the hall shall have been completed, and already talk is in the air of another S. A. F. convention at Boston; and New York can guess what that means.

Benjamin Dorrance, of Wilkesbarre, Pa., illumined Boston with his presence for a few hours on September 14, on his way home from the Quebec hunting grounds. A big bull moose fell a victim to his prowess in the woods. Nobody can blame the moose, after once hearing the distinguished president of the rose society do the decoy call.

The annual sale of choice of stalls at the Co-operative Growers' Association was held on Saturday, September 15. Auctioneer Carroll wielded the hammer. The prices paid were, on the average, higher than last year and the amount realized was considerably larger than ever before. A large crowd was in attendance.

We had a call the other day from A. W. McIntosh, formerly of Baltimore, now of Portland, Me. Can't see that five years' sojourn in the peculiar atmosphere of Maine has made any difference in him, and he appears the same "Mac" as when his friend Pentland used to have an occasional "go" at him in Dixie Land.

Jackson Dawson and J. J. Cunningham have gone to the Maine woods on a hunting expedition—not with guns, but with spades and seed bags—and the contents of their hampers when they return is likely to show that there is something else to be found in Maine besides moose heads, trout and doughnuts.

N. F. McCarthy & Co. had a splendid lot of palms at this week's auction sales and those who were fortunate enough to be on hand to bid got some good bargains. Every Tuesday and Friday till the end of October the red flag will be out at 84 Hawley street.

A. Leuthy arrived home from Paris and elsewhere on Wednesday last, per steamer Kensington. He admits having had a good time and he looks it. They're solid men, these plant growers.

P. Welch has returned from his Old Orchard breathing spell and is shaking hands with growers and retailers alternately.

Geo. A. Sutherland has laid away his yachting cap and things will soon begin to hum in Bromfield street.

Philadelphia.

COOLER WEATHER FAILS TO ENLIVEN THE CUT FLOWER MARKET.—SEPTEMBER MEETING OF THE HORTICULTURAL SOCIETY.—MATTERS OF MUCH INTEREST.—HERE AND THERE AMONG THE TRADE.

The echo of the cannon, together with a cool wave, reached us from some far off place last Monday and the straw hat man and the gentleman of the shirt waist are seen no more for this season. New sun-browned faces appear upon the streets every day and the shatters are coming down and giving life to the houses of the residence districts. Business, however, has shown little improvement over last week. Prices are about the same, although the quality of the stock is improving; \$3 to \$4 per hundred is asked for teas, while Beauties are in fair demand at from 75 cents to \$2 per dozen. They must be double extras to command the latter figure, however, the \$1 size being the most popular. Carnations are becoming more shapely; 75 cents to \$1 is the price.

The monthly meetings of the Pennsylvania Horticultural Society are becoming of more importance each year. The private gardeners of the large estates about the city are becoming interested in a way that is bound to add prestige to the society. They not only attend the sessions regularly, but they bring anything interesting that they happen to have in flower along with them. These one night shows are very interesting to the lover of plants and, if the displays are kept up, will be of great benefit in building up the membership. The September meeting, held last Tuesday evening, was well attended and the exhibits were very creditable. L. H. Peacock's dahlias were a show of themselves. Although the season has been very unfavorable to their growth, no one would have thought so by the appearance of the very large collection of perfect flowers staged by Mr. Peacock, and for which he was awarded the silver medal of the society. His paper on dahlias was timely, and will, no doubt, make many friends for the flower. His method of culture, given in answer to a question, is as follows: A trench six inches deep is ploughed out and the plants set out in the bottom and covered at first with two inches of soil, the balance being gradually filled in as the plants grow. They are pinched back frequently and kept as dwarf as possible. With this method Mr. Peacock's acres of dahlias are in continual flower during August and September. There were several large collections of herbaceous flowers, also some asters and several entries of orchids. Several tables of vegetables showing great perfection were also to be seen. The cream of the bulbs for outside planting was given in a paper by Mr. Parsons, in charge of this department at H. A. Dreer's. It was a very complete list.

Mr. Lonsdale has named his Lorraine sport the Light Pink Lorraine and has

prepared a nice batch of young plants, part of which he is offering to the trade in 2½ inch pots. It is a sterling improvement on a grand plant for winter decoration, which will ensure its wide dissemination. In addition to its improved color and habit one of its strong features is its lasting qualities; in this it greatly excels its prototype and will displace it largely as soon as that fact becomes generally known.

"This talk of a presidential year being bad for business is all rot," says Harry Bayersdorfer. "We never were busier than now for the time of year. We have all the force on until 10 o'clock every night, and even then can hardly get our orders out as we would like to."

A number of the craft from New York have been in town the past week looking over the large palm stocks, and as a consequence some car-load lots have been shipped to the metropolis. Julius Roehrs and President O'Mara were among the number, also Mr. Thorley's buyer and M. B. Bunker, of Boston. K.

Chicago.

STATE OF TRADE AND THE MARKET.—LOCAL BUSINESS LIGHT BUT SHIPPING INCREASES.—LITTLE REALLY GOOD STOCK AND MANY VERY CHEAP SALES.—WHOLESALE RETURNS FROM THE EAST.—GROWERS TO TRY SMOKE BURNER.—CHRYSANTHEMUM AND VIOLET PROSPECTS.—VARIOUS ITEMS, PERSONAL AND OTHERWISE.

In so far as city trade goes there are few signs of awakening life in the local wholesale markets. Shipping trade is showing a considerable revival but it isn't enough to strengthen the market to any great degree in the face of the fact that nine tenths of the receipts are not acceptable to the out of town buyers. It is a matter of considerable difficulty to give satisfactory service to those who require first-class stock these days, for very few, either roses or carnations come within that description, although the qualities of each are showing steady if not rapid improvement. The fakirs, who have been dealing in peaches for the past month, are again on the street but they insist on paying almost nothing at all, comparatively, for the baskets of low grade stuff which they handle. The storm of this week has injured outdoor material and gives the man who is exclusively an indoor grower a few days of brighter prospects. Just at present white carnations are hanging badly. If there is no demand for funeral purposes this stock always accumulates, for the street salesmen will not touch them unless they can have a fair proportion of bright colors to mix in.

E. E. Pieser is at home from a two months' trip through the east, during which he visited most of the floricultural establishments of note and studied the various phases of the wholesale handling of cut flowers, something of perennial interest to the Kennicott Bros. Co. While he saw and learned very many things worth the trip, Mr. Pieser says that what most impressed him was the activity of the demand for decorative plants and the grace with which Robert Craig hooks orders for this class of material.

Bassett & Washburn are installing another new and money saving invention in their boiler room, a smoke consumer, what is known as the under feed stoker. This process necessitates the use of low grade coals and effects several other economies but the installation requires

quite an investment, the equipment of their eleven boilers costing something like \$7,000. At present only two boilers are being fitted with this stoker, pending a test, which will be followed by the equipment of the rest of them if everything proves as satisfactory as the results are elsewhere.

Chrysanthemums will be coming along steadily pretty soon now. E. G. Hill, who was in town a few days ago, says that he will begin cutting before the end of September. He reports his stock exceptionally good this year. One commission man has booked an order for 200 extra blooms for shipment about ten days hence and his source of supply assures him that the flowers will be ready.

C. M. Dickinson is breathing easier now that he has E. H. Hunt's new fall catalogue in the mails. They have put a great deal of time and money on this year's book, illustrating it largely with original halftones. It is on good paper and is a very creditable piece of printing.

D. F. Hawkes, of Wheaton, who has a reputation of being first in the market with violets, has been shipping fair flowers to A. L. Randall for a couple of weeks; they have sold at sight at from 50 cents to 75 cents per hundred.

C. S. Stewart will sell Adolph Poehlmann's product down town but their location has not yet been selected. As Mr. Poehlmann is starting in with about 50,000 feet of glass he will require all the facilities.

There was a slight touch of frost in some sections of the city one night this week, but not enough to cut down anything. The inroads upon the coal piles have, however, begun with the careful growers.

The first meeting of the Florists' Club after the summer vacation was held at Handel Hall last evening. The special business was the discussion of the season's programme.

E. C. Amling has been journeying about the neighborhood, looking in upon the growers, and says that he thinks this market will have better stock and more of it than ever this season.

A. L. Randall is at home from St. Joe, Michigan, where he spent the summer, feeling fine and as brown as any of his growers.

At Wittbolds' Clark street store they report retail trade as showing evidence of the awakening of the season.

J. B. Deamud is now receiving some very fine wild smilax from Caldwell the Woodsman Co.

Walter Retzer has been spending the week in St. Louis, his old stamping ground.

W. W. Barnard & Co. report fall trade picking up in a very satisfactory manner. Visitors: E. G. Hill, Richmond, Ind.; B. Simanton, Falls City, Neb.

St. Louis.

MARKET SHOWS NO IMPROVEMENT.—DECORATIVE MATERIAL IN DEMAND FOR DEPARTMENT STORES.—NOTES.

Trade this week shows no change from last report, unless it be not so good. It has been a big week for the rental of decorative plants, but there has not been so much funeral work. The weather took a sudden change to cold last Saturday and at this writing we are in the midst of the usual equinoctial storms. From now on we should give reports of busier times, as the Exposition opened on Monday and the town will have a large number of visitors for the next six

weeks, which, together with the return of residents to their homes from various summer resorts, will influence trade for the better. Roses are getting longer stems, but are not yet full size. The only asters that are really fine are those from Michigan. Single tuberose are in fair demand but only an occasional lot of doubles is called for. The latter are gradually losing favor. Carnations, those that are really good, we regret to say, are not homegrown. Department store fall openings made good orders for Michel, Chas. Beyer and others.

Geo. Waldbart moved into his new quarters Monday. Although the place is yet to be completed in a few details Mr. Waldbart is to be congratulated for both its outside appearance, inside completeness and richness in finish.

Mrs. Ayers has not yet returned from the east. She sent on a nice lot of ferns and other house plants last week, purchased in Philadelphia.

Visitors this week are Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia; Walter Mott, representing H. A. Dreer, Philadelphia. F. W. MAAS.

Detroit.

STATE OF TRADE.—MEETING OF THE CLUB.—A PERIOD OF ACTIVITY IN SIGHT.—RACKHAM'S AMBITION.—BUILDING NOTES.

The excessive heat of the past three weeks has brought out an over abundance of roses, the best of them finding rather slow sale. Beauties are most sought for but the supply is very meagre. A few growers are fortunate in having some very fine asters, which find ready sale. Trade is beginning to improve slowly.

The rain of Wednesday evening prevented a large attendance at our club meeting. A. M. York, of Hancock Mich., who was present, gave a very interesting account of greenhouse operations in that snow bound country, where he says severe winter lasts from early in November until the first of May. B. Eschner, of Philadelphia, who is returning from an extended business trip through several of the central and western states, was also present and reported a condition of general prosperity in the trade. President Rackham is determined to make the coming season one of great activity in club matters. At the next meeting there will be a debate upon the theory that it is better for florists to grow finer flowers and fewer of them than a greater quantity of only fair quality. The affirmative is assigned to Robert Flowerday and E. A. Scribner and the negative to Robert Watson and J. F. Sullivan. There seems to be no limit to the energy and ambition of Mr. Rackham; he is now an aspirant for aldermanic honors from the seventeenth ward and the chances of his success are very bright.

The genial Charles B. Weathered, of New York, is again with us and is dividing his time between Orion Lake and Grosse Pointe. At the latter place his firm is building a palm house 30x50 and a stove house 30x22 for Mrs. John S. Newberry.

Lord & Burnham secured the contract for building a service house and three greenhouses on Belle Isle Park, to be completed by February 1 next.

J. F. S.

CLINTON, MASS.—F. P. Sawyer has leased the greenhouses of Mrs. Wilson Morse, on High street.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—8 times, 5 per cent; 13 times,
10 per cent, 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.
Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

KILLING frosts are to be anticipated in
many sections within the month.

LABOR troubles promise to prevent any
reduction in the price of glass for next
season.

WESTERN growers are going into
Christmas flowering plants more exten-
sively than usual.

THE drought in many sections where
dahlias are grown extensively has
resulted in a most disheartening lack of
bloom.

THE pink carnation is President Mc-
Kinley's favorite flower and has been
adopted as an emblem of party fealty for
the campaign.

PROF. B. T. GALLOWAY has been
appointed superintendent of the grounds
and gardens of the Department of Agri-
culture, Washington, D. C., the position
occupied by the late William Saunders.

THE labor difficulties in the anthracite
coal fields are having a tendency to
cause increased demands for high grade
bituminous coals and a consequent
advance all along the line. Greenhouse
men who have strong contracts in force
seem to be fortunate.

THE supreme court of Rhode Island has
ruled that flowers are a legitimate item
of funeral expense. It was so decided in
the case of a florist who sued the admin-
istrators of an estate, they having refused
to pay a reasonable charge for flowers
furnished for the obsequies of the deceased.

A MOST beautiful and effective demon-
stration of the value of the geranium as
a bedding plant is seen this season in the
garland shaped beds that border the
slopes of the celebrated sunken parterre
at Fairmount Park, Philadelphia. White
is the color used, with just a sprinkling
of red. The vista as seen from one end of
the garden is very striking. A bed of
Acalypha Sanderi near by is another
very showy feature and sets off con-
clusively the usefulness of this plant in
summer garden work.

Notice to Plant Introducers.

All firms having offered for sale for the
first time in this country any species or
variety of plants or ornamental trees or
shrubs are requested to send notification,
giving origin and brief description, to be
included in the list of plant introductions
in America for the year 1900, which
is to be published in the annual proceed-
ings of the S. A. F. Please forward
immediately. WM. J. STEWART, Sec'y.
67 Bromfield street, Boston, Mass.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The Conard & Jones Co., of West
Grove, Pa., registers the following
cannas: Montana, flowers bright cream
yellow. West Grove, color rich coral
pink, slightly dappled with crimson and
shaded yellow in the throat, foliage
green, slightly edged with purple, large
and exceedingly tough.

Henry Eichholz, Waynesboro, Pa.,
registers new geraniums as follows:
Eben E. Rexford, single, light pink, with
white eye. Dr. E. A. Herring, single,
brilliant scarlet overlaid with red. Des-
cribed as having the dwarfness and flori-
ferousness of Mars and America with
constitution and foliage of Bruant type.
WM. J. STEWART, Sec'y.

Greenhouse Building.

Westfield, Mass.—S. E. Barton, one
house.

Essex, Mass.—E. B. Campbell, one
house.

Holliston, Mass.—J. E. Long, one
house.

West Grove, Pa.—M. Cooper, one
house. Benjamin Connell, range of
houses.

North Beverly, Mass.—C. A. Morris-
sey, range of houses.

Madison, N. J.—John Jones, one house.

Melrose Highlands, Mass.—Chas. Peck,
carnation house.

East Fairhaven, Mass.—S. S. Peckham,
house 25x125.

Mineola, N. Y.—C. Besold, carnation
house 26x150.

Hempstead, N. Y.—Weston Bros., car-
nation house 20x150.

Flatbush, N. Y.—Mrs. B. Meissner,
four plant houses.

Philadelphia, Pa.—Robt. Craig & Son,
six plant houses.

Com'g Exhibitions.

[Secretaries are requested to supply any omis-
sions from this list.]

BALTIMORE, Md., February 21-22, 1901.—Exhibi-
tion of the American Carnation Society. Albert
M. Herr, Sec'y, Lancaster, Pa.

BOSTON, MASS., November 6-9.—Chrysan-
themum show, Massachusetts Horticultural Society.
Robert Manning, Sec'y, Horticultural Hall.

CHICAGO, ILL., November 6-10.—Annual exhibi-
tion, Horticultural Society of Chicago. W. N.
Rudd, Sec'y, 1002 185 Dearborn street.

COLD SPRING, N. Y., November 8-9.—Second
annual exhibition, Putnam County Horticultural
Society. John A. Connolly, Sec'y.

DENVER, COLO., November 7-9.—First exhibition,
Denver Florists' Club. A. M. Lewis, Sec'y.

HARTFORD, CONN., November 6-9.—Chrysan-
themum and carnation exhibition, Connecticut
Horticultural Society. L. H. Mead, Sec'y, Hart-
ford.

HOUSTON, TEX., November 15-16.—Seventh
annual chrysanthemum show for DePelenia
Home. Mrs. M. E. Bryan, Sec'y.

MADISON, N. J., November 7-8.—Fifth annual
exhibition, Morris County Gardeners' and Flor-
ists' Society. Chas. H. Atkins, Sec'y, Madison.

NEW HAVEN, CONN., November 14-16.—Exhibi-
tion of New Haven County Horticultural Society.
Robert Veitch, Jr., Sec'y.

PHILADELPHIA, PA., November 13-17.—Annual
exhibition, Pennsylvania Horticultural Society.
David Rust, Sec'y, Horticultural Hall, Broad
street.

POUGHKEEPSIE, N. Y., November 6-8.—Annual
exhibition, Dutchess County Horticultural Society.
W. G. Saltford, Mgr., Poughkeepsie.

PROVIDENCE, R. I., November 14-16.—Chrysan-
themum exhibition Rhode Island Horticultural
Society. C. W. Smith, Sec'y, 61 Westminster
street.

SAN FRANCISCO, CAL., October 25-27.—Fall
exhibition California State Floral Society. Mrs.
Henry P. Tricon; Sec'y, 846 Grove street.

ST. LOUIS, MO., November 14-16.—Tenth annual
chrysanthemum exhibition, St. Louis Florists'
Club. Emil Schray, Sec'y, 4101 Pennsylvania
avenue.

WACO, TEX., November 13-17.—Fifth annual
chrysanthemum show, Texas State Floral Society.
Mrs. M. B. Davis, Sec'y, Waco.

Hardiness of Pink Pearl.

ED. AM. FLORIST:—Will the new
Wichuraiana rose, Pink Pearl, recently
illustrated in your journal live in the
rigorous climate of northern Vermont?

M. B. B.

I beg to state that the new hybrid
Wichuraiana rose, Pink Pearl, would be
hardy in any part of Vermont. This rose
has had a trial of six years and has
proven to be one of the hardiest roses in
cultivation. One-year-old pot plants
which were left standing on a bleak hill
without any protection to the pots,
stood 10° below zero without any pro-
tection, as stated before. Of course the
frost broke the pots to pieces but it did
not injure the plants. It is not only one
of the hardiest roses but has most beau-
tiful foliage and flowers.

W. A. MANDA.

Galveston, Tex.

SEVEN OF THOSE IN THE TRADEREPORTED
AMONG THE LOST.—GREENHOUSE ESTAB-
LISHMENTS ARE WRECKED.—THANKS
THAT OTHER LIVES ARE SAVED.

The whole world knows the awful
calamity which has befallen Galveston.
Everyone knows that in a night, the
night of September 8, our fair city was
overcome by wind and sea; that the loss
of life and property is greater than in
any catastrophe in the history of Amer-
ica; that the dead are unnumbered and
that the loss in money cannot be esti-
mated within the millions of dollars. I
will not attempt to narrate any of the
heart-sickening details.

Several of those in the trade are num-
bered among the drowned. Their places
were in that part of the city which was
entirely swept away. So far as known,
after the publication of to-day's official
list of deaths, the dead among those of
our trade are:

THOMAS KEATS and MRS. KEATS.

THOMAS KEMP and MRS. KEMP.

MR. STEDING, WIFE AND CHILD.

The Keats family were retailers at
Thirty-eighth street and Avenue T.
Thomas Kemp owned a small range of
glass in the same vicinity. The identity
of the Mr. Steding, who was lost with
his entire family, is not yet known. There
are three men of that name in the trade
here, Charles Steding, who had a small
range of glass on Avenue L, near Twelfth
street, and Steding Brothers, who were
in the nursery business.

As for the rest of us, our places are
wrecked but we are thankful to have
escaped the loss of those who are dearest
to us.

OTTO FEHRLIN.

Denver.

MEETING OF THE NEWLY FORMED FLO-
RISTS' CLUB—A DISPLAY FROM CITY
GREENHOUSES.

A fine exhibition of flowers now in ses-
sion formed a special feature at the Sep-
tember meeting of the Denver Florists'
club. The display was made by E. W.
Davis and the flowers were from the City
Park greenhouses. The club decided to
hold a special meeting in two weeks to
outline plans for the flower show which
will be held here this fall. The commit-
tee having this work in charge announced
that satisfactory progress is being made.
It was also decided to organize a bowl-
ing club among the florists to contest for
the bowling prizes at the Buffalo conven-
tion next year and a meeting for that
purpose was held at the offices of the
Park Floral Company in the afternoon.

E. W. Davis was requested to re-read his paper on the interests of the florists of Colorado at another meeting.

Mrs. R. Mauff is building a range of houses on Logan avenue, consisting of six houses 25x65 feet. She is also building an office and salesroom 36x39 feet of brick. When completed, with her Harman street place, she will have about 50,000 square feet of glass. The Logan avenue place will be used for retailing and there she will grown pot plants, palms, ferns and bulbous stock.

Helpful Reminders.

This is the time of the year at which we should bear in mind that damaged stock is more profitably thrown out than kept. You are wasting the opportunity of a year by starting the winter with damaged stock in your houses, for the daily expense is as great as if the stock were perfection. Moreover, the amount of good stock damaged in early autumn each year to save a small amount of fuel is enough to endow a home for old florists.

Nature's arrangement of temperature and light is for the purpose of putting all vegetation in a dormant condition, setting buds for spring growth and storing material for the winter support. Therefore all stock which is to do service next spring can be allowed to co-operate with nature, such as flowering shrubbery, cannas, gladioli, hydrangeas, fuchsias, Rambler and hybrid perpetual roses, oleanders, laurels, etc.; also bulbous stock, which simply develops roots now, will not suffer from a chilly night, a cold wind with a few hours' hot sun and a cold rain. Such weather is absolutely necessary for a large percentage of stock, but there is a distinct class of indispensable stock that should be watched most carefully just now.

Do not wait until there is danger of killing plants outright, but beware of the little chills, burns or bruises that make a pleasure ground for mildew, fungus diseases and flavor the sap to suit the palates of various insects. I refer to such stock as roses, begonias, euphorbias, jasmine, tropical ferns, palms, stevia, carnations, etc. They must keep growing; every leaf that is allowed to form should develop perfectly, and it is just now, when nature's customs and our artificial treatment begin to diverge that our greatest damage is done. One ton of coal judiciously burned in September will frequently do more good than ten tons in January.

There are hardly three nights in succession in early autumn when a fire is not necessary for the proper care of winter blooming stock. A shrewd manager knows when to throw out stock and leave a house empty for awhile, thereby cutting down expense until good stock is ready. Do not crowd your houses with a lot of indifferent material; quantity cuts no figure, it is quality that counts. Your houses will probably cost you 30 cents a square foot of bench room to maintain from now to June 1. See that every plant that is given room is reasonably certain of yielding that much before you accept it. C. B. W.

Catalogues and Cut Flower Price Lists Received.

J. F. Cecil, North Topeka, Kan., trees and seedlings; E. H. Hunt, Chicago, Ill., palms, ferns and plants; Schlegel & Fottler, Boston, Mass., bulbs, plants, etc.; A. B. Davis & Son, Purcellville, Va., dahlia roots; Drege & Matthie, Pallanza,

Lake Maggiore, Italy, garden and flower seeds, bulbs, etc.; Barr & Sons, Covent Garden, London, England, bulbs, tubers, plants, grass seed, etc.; Webster Bros., Hamilton, Canada, shrubs and perennial plants; J. A. McDowell, City of Mexico, Mexico, orchids, bulbs, cacti; E. C. Amling, Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., cut flowers, bulbs and florists' supplies; Holton & Hunkel Co., Milwaukee, Wis., cut flowers and florists' supplies.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid advertiser to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 73 E 26th St Chicago.

SITUATION WANTED—By experienced rose and carnation grower, age 31, single. Best references. Address A. H., care American Florist.

SITUATION WANTED—By florist and gardener; long experience in all branches. Best references. Private place preferred. M., care Am. Florist.

SITUATION WANTED—By young man, in commercial place; 4 years' experience; sober and steady, with best of references. State wages. W. F. M. Station A, Indianapolis, Ind.

SITUATION WANTED—By experienced vegetable gardener and florist. In State institutions or private place, as foreman or manager. Best of references; married; sober and industrious. Address GARDENER, care American Florist.

SITUATION WANTED—As foreman, by practical florist, grower of the cut flowers, roses, A. No. 1 carnations, mums, violets, specialties. Good decorator, etc.; 25 years' experience, best reference. Address FOREMAN, 1021 W. 3d St, Canton, O.

SITUATION WANTED—By a practical florist and gardener with life experience in growing cut flowers and plants for commercial purposes. Capable of taking charge. Good references. Only reliable party need apply. N. D., care American Florist.

WANTED—Experienced, reliable store man; state salary expected. C. A. SAMUELSON, 2123 Michigan Ave., Chicago.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS. B. BULL, Bakersfield, Cal.

WANTED—A first-class rose grower, to take entire charge. Send reference and wages wanted. EMIL GLAUBER, Montclair, Colo.

WANTED AT ONCE—Experienced assistant in greenhouses. Good pay to the right party. Address G. F., care American Florist.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B., care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMS, LaRose Gardens, Memphis, Tenn.

WANTED AT ONCE—An all-around florist; must be sober, honest, not afraid of work. Answer, stating wages expected. W. M. LOTT, Warren, Pa.

WANTED—Florist for general greenhouse work. German, married man preferred; \$10 per week, steady place. Ad OTTO KLINGBIEL, Davenport, Iowa.

WANTED—A large florist's refrigerator; must be in good shape. Please give dimensions when writing; state also time used. J. J. LAMPERT, Xenia, Ohio.

WANTED AT ONCE—Experienced assistant in greenhouses; married man preferred; \$1.00 per week. Steady place. Address, with reference, N. H., care American Florist Chicago.

WANTED AT ONCE—Grower of roses, carnations, mums and general stock, and a good propagator. State wages with board and room; also references. C. HUMFELD, Clay Center, Kan.

WANTED—Two single men that have worked a little around greenhouse; experience not necessary, but must have good reference as to character. \$15.00 per month, board and room. Address A. MITTIN, Morris, Ill.

WANTED—Young man with some experience to work in greenhouse, roses, carnations and cut flowers generally. Must have reference from last employer. State wages wanted with board. Address R., care American Florist.

WANTED—A young lady florist or a florist, must be well experienced; salary \$20.00 a month and board. Also a young man that is capable of taking full charge. ART FLORAL CO., 3807 Cottage Grove Ave, Chicago.

WANTED—A reliable florist, one capable of taking care of 15,000 feet of glass, to grow general stock of cut flowers and plants for retail trade; must be honest, sober and reliable and a good worker. Address FRED. J. KING, Ottawa, Ill.

WANTED—For Michigan, experienced man for general greenhouse, one who is willing and takes an interest in his work. Good wages and steady place to the right man. Give age and nationality. References B. J., care American Florist.

WANTED—A man who understands growing carnations, violets and general stocks; one who can care for steam and hot water boilers, and to act as working foreman; must be a hustler; wages to start with \$25.00 per month and board with room. Address C. S. K., care American Florist.

WANTED—Young man, expert need in budding and grafting roses and in making soft wood cuttings of shrubbery. Steady employment, good wages. Must be a strictly temperate. Apply to THE ELIZABETH NURSERY CO., or to GEORGE REEG, Supt., Elizabeth N. J.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds. Bargain. W. L. WINN, White Hall, Ill.

FOR SALE OR RENT—600 feet of glass, in a live town; a good chance for an experienced man. Address A. C. COLINS, Ot Barrington, Mass.

FOR SALE—One-half interest in a greenhouse, a good paying business, growing city of 25,000 in Wisconsin; very cheap on account of sickness. Address A. D., care American Florist.

FOR SALE—An exceptional florist, if taken soon, in good growing town of 18,000, doing a good business. Hot water heat, 400 feet of glass. Best of reasons for selling. Prices and terms right. B. A. B., care American Florist.

WANTED!

Good, reliable man to act as shipping clerk and growers' representative in one of the best established cut flower houses in Chicago. Good wages to right man. Permanent position. Must be capable and energetic. Address

W. G. R., care American Florist.

FOR SALE OR RENT

Greenhouse, 5000 feet of glass, steam heating, Market Garden Ten Acres six-room Dwelling, Barn, etc., adjoining thriving town of 3000, on St. Joe and Grand Island Ry.

H. SCHMALZL, Marysville, Kans.

FOR SALE With 10 Year Lease, One of the best places in Chicago.

This is a rare opportunity; if you have some cash, talk it over with me.

T. J. CORBREY, 1409-1411 W. Madison St., CHICAGO.

FOR SALE, The McKellar Floral Establishment AT CHILLICOTHE, OHIO.

Consisting of 1.16 acres land, located inside the city limits, on which are located thirteen greenhouses, all in first-class condition and well stocked with roses, carnations, palms, and general line of potted plants of all kinds. Natural gas fuel, steam heating apparatus throughout; four acres additional adjoining property if more required; divided to suit. Business established over forty years. This is the best floral establishment in southern Ohio. Population of Chillicothe 15,000. For further particulars address

SILAS F. GARRETT, Executor Chillicothe, Ohio, or CHAS. W. MCKELLAR, 47 Wabash Ave., Chicago.

FOR SALE. GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St. NEW YORK.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
 AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.
WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblema. Block Letters, \$2.00 per Script Letters, \$4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Bronze Galax Leaves
 \$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.

AMERICAN ROSE CO., Washington, D. C.

I PAY EXPRESS or POSTAGE on my

Bronze Galax Leaves

anywhere in U. S. for \$1.50 per 1000. IMMEDIATE DELIVERY. Write for particulars.

LILLIAN ALLEN DEXTER, Washington, D. C.

Wholesale Florists, **JOBBER'S IN**
 Always on Hand: **FLORISTS' SUPPLIES**
 CARNATIONS, BRIDESMAIDS, BRIDES.

N. F. W. Hartley
FLORISTS' VASES.
 Horticultural Auctioneers.
 84 HAWLEY STREET, BOSTON.

Geo. A. Sutherland, Boston Flowers.

WHOLESALE DEPOT FOR

All Florists' Supplies,

Price lists mailed. 67 BROMFIELD ST., BOSTON, MASS.

Circulation

which **Circulates**

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Wholesale Flower Markets

PHILADELPHIA, Sept. 19.	
Roses, Tea.....	1.00@ 2.00
" " extra.....	3.00@ 4.00
" Beauty, extra.....	15.00@20.00
" " firsts.....	8.00@12.00
Carnations.....	50@ .75
" " fancy.....	1.00@ 1.50
Lily of the valley.....	2.00@ 4.00
Gladiolus.....	2.50
Tuberose.....	2.00@ 3.00
Asters.....	.25@ 1.00
Asparagus.....	25.00@35.00
Smilax.....	12.50@15.00
Adiantum.....	50@ .75
Boston, Sept. 19.	
Roses, Beauty, extra.....	15.00@25.00
" " medium.....	6.00@12.00
" " culls.....	2.00@ 5.00
" " Bride, Bridesmaid, Meteor.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" " Kaiserin, Carnot.....	4.00@ 8.00
Carnations.....	50@ 1.00
Lily of the valley.....	3.00@ 4.00
Asters.....	50@ 1.00
Gladioli.....	1.00@ 2.00
Adiantum.....	50@ 1.00
Smilax.....	8.00@10.00
Asparagus.....	50.00
Hardy ferns.....	50.00
Japan lilies.....	2.00@ 3.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist.
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO
 ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,
 PHILADELPHIA
 Phone 1-42-69-A.
 Consignments Solicited

LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 PHILADELPHIA, PA.
 LONG DISTANCE PHONE 3-45-34 D.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-28 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...**GEO. M. KELLOGG...**
 Largest Grower of... **Cut Flowers**
 in the West.
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,
 5515 Fifth Ave, PITTSBURG, PA.
 LONG DISTANCE PHONE 2985.
 Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co., WHOLESALE FLORISTS.
 416 Walnut St., CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders.

J. M. COHEN, Florist,
 Telephone 2385.
 CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.

Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

57 W. 28th. St., NEW YORK CITY.
Special attention given to Shipping Orders.
Telephone 2200 Madison Square.

CONSIGNMENTS SOLICITED.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.

Price list on application.

Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

30 West 29th Street.

New Telephone No. 551 Madison Square.

Please Mention the American Florist.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. NEW YORK.

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St.,
NEW YORK CITY.

TELEPHONE 733-18th.

Choicest Stock Shipped on a Commission.

Choice Carnations

Choice Roses

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Sept. 19.

Roses, Beauty, select.....	15.00@25.00
" " medium.....	6.00@10.00
" " culls.....	2.00@ 4.00
" Bridesmaid, Bride, Meteor	.50@ 2.00
" " select.....	3.00@ 6.00
Carnations.....	.50@ 1.00
Lily of the valley.....	2.00@ 3.00
Harrisi.....	6.00@ 8.00
Cattleyas.....	20.00@33.00
Gladioli.....	.50@ 1.00
Asters.....	.50@ 1.50
Smilax.....	8.00@10.00
Asparagus.....	25.00@35.00
Sprengerii, per doz. bun.	.75@1.00
Adiantum.....	.50@ .75
Hydrangess.....	1.50@ 2.00
Tuberoses, spikes.....	1.00@ 1.50

BUFFALO, Sept. 20.

Roses, Beauty.....	10.00@25.00
" " Bride, Bridesmaid, Meteor	3.00@ 7.00
" " Kaiserin.....	6.00
Carnations.....	1.00@ 1.25
Lily of the valley.....	3.00@ 4.00
Lotus blooms.....	12 1/2¢ each
Roseum ".....	4.00
G. adiolli.....	2.00@ 3.00
Asters.....	.50@ 1.50
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy ferns, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.
Please mention the American Florist when writing.

The New York Cut Flower Co.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,

New Telephone No. Wholesale Florist.
902 Madison Sq.

39 W. 28th St., NEW YORK.

ROSES SHIPPED to all points. Price List on Application

Ford Bros...

Wholesale Florist

111 West 30th Street. NEW YORK.

Consignments Solicited. Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

ROSES. CARNATIONS. VALLEY.

CHOICE SUMMER STOCK.

TELEPHONE 280 MADISON SQUARE

S. J. LIMPRECHT,

Wholesale Commission Florist
and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street. NEW YORK.

Telephone 1438 Madison Square.
Consignments Solicited.

Do not forget to say "saw your ad. in the AMERICAN FLORIST" when corresponding with advertisers

J. K. ALLEN'S

**POPULAR WHOLESALE
CUT FLOWER HOUSE**

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities. Telephone 197 Madison Square.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421
Madison Square,

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
 ALBERT MCCULLOUGH, Pres.; F. W. BOLGIANO,
 Vice-Pres.; E. F. WILLARD, Wethersfield, Conn.,
 Sec'y and Treas.

THE Joseph F. Dickmann Seed Company, of St. Louis, on September 18 filed a chattel deed of trust in favor of Robert W. Pommer, for D. I. Bushnell & Co. and other creditors, to secure an indebtedness of \$29,162.

VISITED CHICAGO: Chas. N. Page, of the Iowa Seed Co., Des Moines; J. H. Wentholt, director of the General Bulb Co., Vogelenzang, Holland; Jas. McHutchison, representing August Rhotert, Messrs. Wentholt and McHutchison sail for Europe in company next week.

A. EMERICH, who will visit this country this year in the interest of Messrs. Vilmorin, Andrieux & Co., of Paris, will sail on September 22 from Havre, per S. S. L'Aquitaine, and will arrive in New York on October 1. His address will be care of August Rhotert, 26 Barclay street, New York.

Omaha.

TRADE BRISK FOR THE SEASON.—CLUB ELECTION.—STATE FAIR PRIZE WINNERS.—A WEDDING AND VARIOUS NOTES.

A sudden change of temperature has made stock very scarce. The mercury dropped as low as 38° one night, followed by cold, disagreeable rain which necessitated starting the boilers. Business has been good, considering the time of year, and the outlook is very bright for a good fall and winter trade.

September 13 the Nebraska and Iowa Florists' Association held its annual election of officers. The meeting was well attended and all of the old officers were unanimously re-elected as follows: President, J. J. Hess; vice-president, S. Faulkner; secretary, L. Henderson; treasurer, S. B. Stewart.

September 4 to 7 the Nebraska State Fair was held at Lincoln, where the florists made a magnificent show in the horticultural building. P. Floth, of Omaha, took sweepstakes on the best grown greenhouse plants in pots; Chapin Bros., of Lincoln, second; L. Henderson, of Omaha, third. Hess & Swoboda, of Omaha, were first on best floral design; Chapin Bros., second; Keller, third; Henderson, fourth.

C. S. Stewart, brother of S. B. Stewart, of Omaha, was recently married to Miss N. Saline, a popular young lady of this city and a daughter of one of Omaha's pioneers. Our best wishes go to Chicago with them.

Mr. and Mrs. Wilcox are back from their convention trip. Mr. Valentine, of Denver, called on us on his way home and spoke highly of the great work in New York. GRIPPE.

BRIDGEPORT, CONN.—The work of razing the greenhouses formerly occupied by the West End Floral Co., Fairfield and Clinton avenues, is under way. The property will be cut up into building lots.

SOUTH MANCHESTER, CONN.—The Connecticut Horticultural Society opened a very pretty flower exhibition at Cheney Hall on September 11. Dahlias from H. F. Burt and Lothrop & Higgings were very fine. Other flowers were in some cases not up to the average, the dry season having been very severe on garden blooms.

Special Offer of Smilax and Mushroom Spawn
 Our celebrated ENGLISH MILTRACK brand is made by the best taker in England especially for our trade; per brick (1/2 lbs.) 15c, by mail 25c; 10 lbs., \$1.25; 25 lbs., \$2; 100 lbs., \$5; per 1000 lbs., \$5; (250 lbs. at 1000 lb. rate). **Fresh Smilax Seed**, per oz., 20c; per lb., \$2.25; per 5 lbs., \$2 per lb. **Johnson & Stokes' Kingly Pansy**—This strain cannot be surpassed for size, color and substance of flowers. Trade pkt. (3-32 oz.), 50c; 1/4 oz., \$1.25; oz., \$5. **Vautier's Mammoth Pansy**—A giant strain of great merit direct from the introducer. Trade pkt. (1-16 oz.), 30c; per oz., \$4. **Freesia Refracta Alba**—First size 40c per 100, \$3 per 1000; selected (fine buds), 60c per 100, \$5 per 1000. **Van Ruyper Perfect Glazing Points**—No rights or lefts, made of best galvanized steel; 60c per 1000; 5000 at 55c per 1000. **Silkatine** for Smilax and Asparagus, spool, 20c; per lb., \$1.25. Send for our new Fall Catalogue of Dutch Bulbs.
JOHNSON & STOKES, Seedmen, 217 and 219 Market Street, PHILADELPHIA, PA.

FRESH FERN SPORES.
 WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.
EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY
ROMAN HYACINTHS
DUTCH HYACINTHS
NARCISSUS TULIPS
 Etc., Etc., Etc.

Wholesale Bulb Catalogue Mailed On Application.

J. M. THORBURN & CO.
 (Late of 15 John Street)
 36 CORTLANDT STREET, NEW YORK

CALIFORNIA
Calla Bulbs



Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

FIRST SIZE, 1 1/4 to 1 1/2-in. diam., doz. 75c; 100 \$5.00.
 SELECT 1 1/4 to 1 1/2-in. diam., doz. \$1.25; 100 \$7.00.
 EXTRA SELECT, 2 to 2 1/2-in. diam., doz. \$1.50; 100 \$9.00.

VAUGHAN'S SEED STORE,
 NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

GRASS SEEDS.
 Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Out, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. **CLOVERS**—Red, Subling, Alfalfa, Crimson, White, Alsike, Japan, etc. **WOOD, STUBBS & CO.'S "EVERGREEN"** and **"SHADY GREEN"** Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato
 Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO.,
 The Largest and Best Collection of Seeds in Ky.,
 LOUISVILLE, KY.

MIGNONETTE.
 Allen's Deliance, seed from selected spikes, 25c per pkt., \$1.00 per ounce.
J. C. SCHMIDT, BRISTOL, PA.

Herr's = = ALWAYS THE BEST AND BETTER EVERY YEAR.

Pansies

They sell themselves. Try 100 as an experiment. Plants only, and ready October 1st to January 1st.
 FREE BY MAIL,
 75c per 100, 250 for \$1.50; 500 for \$2.50.
 By Express at Your Expense, \$4 per 1000.

ALBERT M. HERR
 LANCASTER, PA.

ROEMER'S SUPERB PRIZE Pansies.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.
PETER BROWN, Lancaster, Pa.
 Grower of the Finest Pansies.

PANSIES WORTH RAISING

SFED, 3 1/2 oz., \$1.00; 1 oz., \$1.00.
 PLANTS, 500, \$2.50; 1000, \$4.00.
 E. O. B. express here. CASH WITH ORDER. Everything first-class.

CHR. SOLTAU, 199 Grant Av., Jersey City, N. J.

PANSIES THE JENNINGS STRAIN.

Highest standard plants, finest mixed, 60 cts. per 100 by mail; \$1.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies,
 Lock Box 254. SOUTHPORT, CONN.

ZIRNGIEBEL'S GIANT PANSY PLANTS NOW READY.

GIANT MARKET..... \$ 5.00 per 1000
 GIANT FANCY..... \$10.00 per 1000
 Also seed of the above strains, in trade packets, at \$1 each. **DENYS ZIRNGIEBEL, Needham, Mass.**

Surplus Carnations Fine, Healthy and Strong.

50 Dazzles, 100 Scotts, 150 Piagree, 500 McGowans, 100 Portias, 50 Bridesmaids, 150 Kohinors, \$3 per 100; \$25 for the lot. Extra strong Sprengerii, 4-in., \$6; 3-in., \$4. Farquhar Violets, 2 1/2-in. pots, \$2; healthy. Smilax, extra strong, 2 1/2-in., \$2. Bougainvillea, ex. fine plants, 4 to 8-in. ask for prices.
 CASH. **GEO. M. BRINKERHOFF, Springfield, Ill.**

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

WRITE FOR SPECIAL QUOTATIONS ON WIRE WORK DURING SUMMER MONTHS.

42 and 44 E. Randolph St., CHICAGO.

FIELD-GROWN

Garnation Plants

	Per 100	2d size, per 100
Genevieve Lord, finest commercial pink, fine plants,	\$12.00	\$10.00
The Marquis.....	12.00	10.00
Ethel Crocker.....	12.00	10.00
Mrs. Thos. W. Lawson.....	15.00	
Estelle.....	12.00	
50 J. Whitcomb Riley.....	12.00	
White Cloud.....	6.00	
Flora Hill.....	5.00	
America.....	5.00	
Mrs. Joost.....	5.00	
Evelina.....	5.00	
Gomez.....	5.00	
Maceo.....	5.00	
Portia.....	4.00	
Pingree.....	5.00	

Seedling No. 30, fine plants, \$8.00 per 100. No. 30 is a bright pink, very free bloomer, averaging stems two to three feet.

Send In Your Order Promptly. First Come First Served.

H. Weber & Sons,
OAKLAND, MD.

SURPLUS CARNATIONS.

FLORA HILL, WHITE CLOUD, TRIUMPH, DAYBREAK, \$5.00 per 100. AMERICA, CRANE, MELBA, BRADT, \$6.00 per 100.

Cash with order. **W. Sabransky, Kenton, O.**

CARNATIONS FIELD GROWN

1500 FLORA HILL, 3000 LIZZIE M'GOWAN, 1500 WM. SCOTT, 1000 TIDAL WAVE.

\$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER. **CHAS. WIFFIN, DES PLAINES, ILLINOIS.**

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS.

Send for prices of thirty-five best new and standard varieties.

GEO. HANCOCK & SON,

Grand Haven, Mich.

15,000 EXTRA FINE BOSTON FERNS

2 1/2, 3, 4, 5, 6 and 7-inch pots, now ready for shipment. Some very fine plants of *Asparagus Plumosus Nanus* out of 2 1/2-inch pots. A few thousand mixed *Roses* on hand for planting. Write for prices.....

GEO. A. KUHL, PEKIN, ILL.

CRYP OMER'A JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00.

ASPARAGUS SPRENGERII, 2-inch, \$2.50 per 100.

SATISFACTION GUARANTEED.

E. J. RAWLINGS, Quakertown, Pa.

Bulbs that will stand Forcing

JAPAN LILIUM LONGIFLORUM,
FRENCH ROMAN HYACINTHS, TULIPS, HYACINTHS, Etc.,
Ready for Shipment.

NEW CONSIGNMENT

MUSHROOM SPAWN

Arrived September 10.

Samples free to large growers.

Fall Issue Florists' Catalogue Now Ready.

VAUGHAN'S SEED STORE

CHICAGO - - NEW YORK.

30,000

Field-Grown Carnation Plants

WHICH MUST BE SOLD AT ONCE.

Stock clean, healthy, extra fine roots and guaranteed in every way. Low prices. Write immediately, stating what you need.

UNION ST. GREENHOUSE CO., Geneva, N. Y.

CARNATION PLANTS.

FINE, HEALTHY STOCK.	Per 100	Per 1000
5000 SCOTT.....	\$2.50	\$20.00
200 PORTIA.....	2.50	20.00
1500 ARGYLE.....	2.50	20.00
2000 NIVEA (white).....	2.00	15.00

VIOLETS—Fine stock, 500 California, 400 Marie Louise, at \$3.00 per 100.

PETERS & ARNOLD, Des Plaines, Ill.

MARQUIS

CARNATIONS, field-grown,

\$10 to close balance of stock.

L. E. MARQUISEE, Syracuse, N. Y.

8000 Carnations Good, healthy plants.

G. H. Crane, per 100, \$7.00	Pingree, per 100, \$3.50
Mrs. F. Joost, " 5.00	Mary Wood, " 3.50
Daybreak, " 4.00	White Cloud, " 6.00
Mrs. Jas. Dean, " 4.00	Flora Hill, " 4.00

CARL RAUTH, Springfield, Ill.

Holly. Finest Quality. Any Quantity.

Write us for prices delivered at your door.

CALDWELL The WOODSMAN CO Inc., Evergreen, Ala.

20,000 CARNATIONS 20,000

EXTRA FINE, FIELD GROWN. Per 100

FLORA HILL.....	\$ 5.00
WHITE CLOUD.....	6.00
DAYBREAK.....	4.00
WM. SCOTT.....	4.00
MARQUIS.....	12.00
G. H. CRANE.....	8.00
GEN. GOMEZ.....	8.00
MRS. BRADT.....	8.00
GOLD NUGGET.....	6.00
TRIUMPH.....	4.00
VICTOR.....	4.00

W. A. WETTLIN, Hornellsville, N. Y.

CARNATIONS..

Field Grown Plants.

F. DORNER & SONS CO.,

LA FAYETTE, IND.

Send for Price List.

10,000 Field-Grown Carnations and Violets.

Large, healthy plants, clean and ready for immediate planting. Scott, Eldorado, McGowan and Rose Queen, \$3.50 per 100; \$30.00 per 1000. Daybreak, Meteor, Cartledge and Alba Superba, \$5.00 per 100; \$40.00 per 1000.

VIOLETS—Princess of Wales, clumps \$6 per 100.

SMILAX—Extra strong plants, \$15 per 1000.

W. T. & F. P. BUTZ, New Castle, Pa.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSEYR MEN.

THEO J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

Down in North Carolina they say that the Greensboro peach has proven a valuable commercial variety.

J. H. HALE has 200,000 bearing peach trees on his Georgia farm and during the height of the season shipped from twelve to twenty carloads daily to northern markets.

BROWN BROS. Co. had a \$2,000 fire at their packing sheds at Brighton, N. Y., on the afternoon of September 13. They were fully insured. The blaze originated in the excelsior stacked outdoors.

EXOCHORDA GRANDIFLORA is an early flowering shrub of large growth which is steadily gaining in favor. It transplants with difficulty and should be moved in autumn or very early in spring as it starts growth very early.

At the recent annual meeting of the Georgia Horticultural Society P. J. Berckmans was given a handsomely inscribed gold watch as a token of appreciation for his services as president of the society continuously since its organization twenty-five years ago.

80,000 Extra Fine Field-Grown ... CARNATIONS

McGowan, Argyle, Scott, Tidal Wave, Evelina, \$3.00 per 100, \$25.00 per 1000.
Flora Hill, \$3.50 per 100, \$30.00 per 1000.
Daybreak, \$4.00 per 100.
White Cloud, \$5.00 per 100.

MRS. A. M. SCHAFFER, 277 Balmoral Ave. CHICAGO.

Daybreak Carnation

2000 fine plants, \$5.00 per 100, or \$75.00 for the lot.
Also 400 ADIANTUM CUNEATUM Ferns, from 6-inch pots, \$10 per 100. Cash with order.
E. B. SUTTON, JR., Babylon, L. I.

Carnation Plants.

Fine field-grown plants: Flora Hill, Scott, Daybreak, Lizzie McGowan, Mrs. Fisher, Victor, New York, Evanston, Albertini, Firefly. Pr ca. \$4.00 p-r 100.
SMI AX fine, 3 inch stock, \$2.50 per 100
PLUMOSUS fine, 3-inch stock, \$5.00 per 100
CASH WITH ALL ORDERS, PLEASE.
VAN WERT GREENHOUSES, Van Wert, O.

Field-Grown Carnations.

Glacier, Evanston, Jubilee, Armazindy, Victor, A. Webb, F. Hill, Daybreak, Dada, Meteor, Morello, Cartledge, McGowan, Bridesmaid, Eldorado, Portia, John's Scarlet, Scott. Fancy stock, \$5; ordinary, \$3.
Cash.
DANA R. HERRON, Olean, N. Y.

THE MONEY MAKERS!

Frances Joost AND Flora Hill
\$3.00 per 100, \$40.00 per 1000.
WHITE CLOUD, \$6.00 per 100. A few DAYBREAK, at \$4.00 per 100.
Isaac A. Passmore, Route 7, West Chester, Pa.

PUBLIC SALE OF NURSERY STOCK

In order to settle an estate and close up the business, a Public Sale of the entire Nursery Stock of

THE STOKE POGIS NURSERIES

To be held on the grounds at Stoke Pogis, near Villa Nova, Montgomery Co., Penn.,

WEDNESDAY, OCTOBER 3d, 1900.

The stock includes Hardy Evergreen and Ornamental Trees, Herbaceous Plants, Hedge Plants and Shrubbery, Foreign Grape Vines, Small Fruits, California Privet for Hedging, and a general line of select stock, all in first-class condition, clean, well-grown and healthy. Inspection before the sale freely invited. Catalogue and all information from

GEO. C. WATSON, Agent, Juniper and Walnut Sts., Philadelphia
JOHN P. CLEARY, Auctioneer.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MEKMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3 in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch. MARIE LOUISE VIOLETS, from 2½ and 3-inch pots, \$2.50 to \$3.00 per 100; \$25.00 to \$30.00 per 1000.
A. S. MacBEAN, LAKEWOOD, N. J.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns;
Otaksa, Red Branched, Thos. Hogg,
PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.
Our representative, MR. J. AUSTIN SHAW is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

DECIDUOUS TREES

Medium and large sizes, including Oaks, Maples, Oriental Plans, Beech, Birch, Ginkgo, Elms, Ash, Linden, Magnolias, opla s and Willows.

We have an immense stock of the above and are prepared to name liberal rates in quantity. Personal inspection invited. Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa....

NURSERIES { 30 miles from Philadelphia,
 { 60 miles from New York.
PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Please mention the American Florist when writing.

AUCTION

SALE OF TREES!

September 26th, 1900.

ENTIRE STOCK OF TREES
Growing on forty acres, comprising principally Rare Evergreen Trees, Shade Trees, and other ornamental stock. Auction Catalogue ready.

Chas. B. Hornor & Son

MOUNT HOLLY, N. J.

CLEMATIS, large flowering, in 20 distinct kinds, 2 yr.; \$2 per doz., \$16 per 100. **PAEONIES**, in 10 distinct Florists' kinds, from pure white to crimson in all shades, indispensable in their season; \$1.50 per doz., \$10 per 100. Josselyn or Red Jacket. **GOOSEBERRY**, a distinct American variety, a very strong grower, never mildews, a profuse bearer and a sight to see loaded with great crimson berries; strong 2 year plants, \$1.25 per doz., \$7 per 100. 1 yr., 50¢ per doz., \$4 per 100. F. A. BALEY, Bloomington, Ill.

BROWALLIA GIGANTEA (True)
2½-in. pots, \$3 per 100. R. cuttings, \$1.50 per 100.
Henry Eichholz, Florist, Waynesboro, Pa.
Please mention the American Florist when writing.

Dreer's Special Offer of PALMS.

THE SIZES ENUMERATED BELOW ARE SUCH THAT WE CAN FURNISH IN EXCEPTIONAL GOOD VALUE:



KENTIA BELMOREANA.

Areca Lutescens.

A fine, clean, thrifty lot of this popular graceful variety.

		Doz.	100
2 1/4 in. pots, 1 plant in a pot, 6 to 8-in high.....		\$ 1.00	\$ 6.00
3 " " 2 plants " " 10 to 12 "		1.25	10.00
4 " " 3 " " 12 to 15 "		3.00	25.00
6 " " 3 " " 24 "		12.00	100.00

Kentia Belmoreana.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2 1/4	3 to 4	8-in.	\$1.50	\$12.00	\$100.00
3	4 to 5	10 to 12 "	3.00	25.00	200.00
4	5 to 6	15 "	4.50	35.00	
5	5 to 6	18 " light	7.50	60.00	
		Each	Dozen.		
6	6	24 "	\$1.25	\$15.00	
6	6 to 7	26 to 28 "	1.50	18.00	

Kentia Forsteriana.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2 1/4	3	8-in.	\$1.50	\$12.00	\$100.00
3	3 to 4	12 "	2.50	20.00	180.00
4	4 to 5	15 "	4.50	35.00	
		Each	Dozen.		
5	5	24 to 28 "	\$1.00	\$12.00	
6	5 to 6	30 "	1.25	15.00	
6	6	28 to 32 "	1.50	18.00	
6	6 to 7	30 to 36 "	2.00	24.00	
7	6	36 to 42 "	2.50	30.00	

Azaleas.

Our Mr. Eisele, who has just left Belgium, reports that the Azaleas grown for us are in an unusually healthy and fine condition this season. Our shipments are expected to arrive here the beginning of October. We handle only the leading sorts, which are best adapted to the American trade; all plants are carefully sorted over and repacked at our Nursery, thus enabling us to guarantee satisfaction. If you have not yet placed your order, we can still book the same for fine bushy crowns, well set with buds, as follows:

	Per doz.	Per 100		Per doz.	Per 100
10 to 12-in. diameter,	\$4.50	\$35.00	16 to 18-in. diameter,	\$12.00	\$ 90.00
12 to 14 " "	6.00	45.00	18 to 20 " "	25.00	200.00
14 to 16 " "	7.50	55.00	20 to 24 " "	36.00	300.00

Prices on Azaleas include duty, packing and delivery in good condition to any express, freight or steamship line in Philadelphia.

Cocos Weddelliana.

Indispensable in filling Fern Dishes, Jardinieres, or for decorative purposes where a specially graceful plant is required. Per doz. Per 100

2 1/4-in pots, 4 to 5-in. high	\$1.25	\$10.00
3 " " 8 to 10 "	2.00	15.00
5-in. pots, 4 plants in pot, 18 inches high, 75c each,	\$9.00	per dozen.

Cocos Plumosus.

2 1/4-inch pots	\$1.00 per doz.,	\$ 8.00 per 100
3 " "	1.25 " "	10.00 " "

Areca Baueri.

5-inch pots, 2 plants in a pot, 18 inches high, 75c each; \$7.50 per dozen.

Calamus Intermedius.

A pretty decorative species, with dark green foliage, the stems of which are clothed with long dark spines; 5-inch pots, 15 inches high, \$1.00 each.

Caryota Urens. (Fish Tail Palm).

2 1/4-inch pots	\$1.00 per doz.,	\$ 8.00 per 100
3 " "	1.25 " "	10.00 " "
4 " "	2.50 " "	20.00 " "

Caryota Sobolifera.

2 1/4-inch pots, \$1.00 per dozen, \$8.00 per 100; 3-inch pots, \$1.25 per dozen, \$10.00 per 100.

Latania Borbonica.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2 1/4	3		\$0.60	\$ 5.00	\$40.00
3	4 to 5		1.00	8.00	75.00
4	4 to 5	12 to 15-in.	2.50	20.00	
6	5 to 6	15 "	6.00	50.00	

Livistona Rotundifolia.

2-inch pots	\$1.25 per dozen,	\$8.00 per 100
3 " "	2.00 " "	15.00 " "

Phoenix Rupicola.

This variety is always scarce; we offer a limited lot of finely-developed plants.

2-inch pots	\$1.00 per doz.,	\$ 8.00 per 100
3 " "	1.25 " "	10.00 " "
4 " "	3.50 " "	25.00 " "

Finely characterized specimens as below:

6-inch pots, 18 inches high	\$1.50 each
8 " " 24 to 26 "	2.50 " "
9 " " 30 "	3.50 " "

Phoenix Reclinata.

2-inch pots	\$0.75 per doz.,	\$ 6.00 per 100
3 " "	1.00 " "	8.00 " "
4 " "	3.00 " "	25.00 " "

Made-up Plants of

Kentia Belmoreana and Forsteriana.

We have a limited lot of 9 and 10-inch pots, with 4 plants in a pot, good stock either for decorating or retailing; 30 to 36 inches high, \$3.50 each.

Large Decorative Plants of Kentias.

We have a large stock of Belmoreana and Forsteriana in large specimen plants, both in single and made-up plants, the most of them grown in light wooden tubs, 12, 15 and 18 inches in diameter, which can be supplied in excellent value at \$10.00, \$12.50, \$15.00, \$20.00, \$25.00, \$30.00, \$35.00 and \$50.00 each.

For a full line of DECORATIVE PLANTS and other SEASONABLE STOCK see our current QUARTERLY TRADE LIST.

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

Please mention American Florist when writing.

FIELD-GROWN

CARNATION PLANTS.

First-Class In Every Respect.

McGowan.....	per 100,	\$3.50
Mary Wood.....	"	5.00
Nugget.....	"	4.00
Melba.....	"	6.00
Dean.....	"	5.00
Daybreak.....	"	3.50
Scott.....	"	3.00

W. P. HARVEY, Geneva, Ill.

..HEADQUARTERS FOR LORRAINE BEGONIAS..

We Offer the Following for Immediate Delivery:

- BEGONIA GLOIRE DE LORRAINE.**
Fine, strong plants from 2 1/4-in. pots, \$15.00 per 100; 3 1/4-in. pots, \$25.00 per 100.
- BEGONIA GLOIRE DE LORRAINE NANA COMPACTA.**
Fine strong plants from 2 1/4-in. pots, \$15.00 per 100; 3 1/4-in. pots, \$27.50 per 100. We especially recommend the 3 1/4-in. size as being exceptionally well rooted and of strong, healthy growth; almost ready for a shift to a 6-in. pot. These plants should find a ready sale at Christmas as they will be in full flower at that time.
- BEGONIA CALEDONIA, the White Lorraine.**
Plants from 3 1/4-in. pots, for delivery November 1st., \$5.00 each. We are the only firm in America offering this fine new novelty this year.

R. & J. FARQUHAR & CO., 16 and 19 South Market St., Boston, Mass.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At St. Louis.

The following is the record of the games rolled on the evening of September 17:

Player	1st	2d	3d	4th	5th	Av
Kuehn	158	199	124	162	146	158
Beneke	139	173	149	164	150	155
Weber	135	127	126	137		131
Adles	153	99	110	162		131
Kunz	116	106	151	148	117	128
Young	106	144	144	112		127
Mott	98	103	126	130	170	125

M.

Dunlop's Employes' Cycle Races.

The second annual bicycle races between the employes of J. H. Dunlop, Toronto, were run on September 8. The trophies were valuable articles contributed by Mr. Dunlop and others and the contests were spirited. After the races the employes and friends repaired to the home of J. Milligan to partake of refreshments and spend a social evening. The results of the races were as follows:

Three mile scratch, first, J. Mortimer; second, A. Thornton.

Ten mile handicap, first, M. Atkinson with 4½ minutes handicap; second, F. Saunders, 2 minutes; third, G. Hager, 1 minute. First time, 29:42, J. Milne, scratch. A. F.

At Denver.

The Denver Florists' Bowling Club was reorganized on September 8 for the season of 1900 and 1901. The officers elected were: President, Phil. Scott; secretary and treasurer, C. J. Thiess. We had a very large attendance and the members were very enthusiastic. Phil. Scott was not able to be with us at our initial games Tuesday, September 11, as he has gone after bigger game in the mountains. Phil. thinks that buffalo are still at large in this country and wants one to take down to the convention next year. The following is the score, which shows that some of the boys are still in trim:

Player	1st	2d	3d	4th	Av
A. E. Mauff	160	202	115	212	172
Neil Jakobsen	154	118	165	186	156
John Berry	153	124	157	175	152
Chas. Thiess	181	133	147	163	151
Geo. Zimmer	121	136	115	189	140
A. M. Lewis	163	124	117	146	138
Chas. Meyer	133	116	147	96	123
Ben Boldt	99	107	152	121	119

C. J. T.

BAY CITY, MICH.—Boehringer Brothers are still growing, adding two houses.

CARNATIONS

SURPLUS STOCK.

McGowan	83.50 per 100
Evelina	4.00 "
Alaska	4.00 "
Lady Emma	4.00 "
Jubilee	4.00 "
Victor	4.00 "
Triumph	4.00 "
Mayor Pingree	5.00 "
Peachblow	5.00 "
Albertini	5.00 "
Red Jacket	5.00 "

Good Value Guaranteed.

JOHN WALKER,

Successor to The E. Hppard Co. Youngstown, O.

:: Extra Fine ::

Field-Grown Carnations.

	Per 100	Per 1000
4000 GENEVIEVE LORD	\$10.00	\$75.00
24 0 CHICAGO	7.50	60.00
100 MRS. JAS. DEAN	5.00	
2000 GEN. MACEO	8.00	60.00
200 GEN. GOMEZ	8.00	
8 0 JOHN YOUNG	6.00	50.00
5000 ARMAZINDY	3.00	25.00
7000 EVELINA	3.00	25.00
8000 WILLIAM SCOTT	3.00	25.00

BLOOMS OF ALL LEADING VARIETIES NOW READY, AT 50c AND \$1.00 PER HUNDRED.

Cash must accompany order.

CHICAGO CARNATION CO., Joliet, Ill.

FIELD-GROWN

CARNATIONS

LARGE, HEALTHY PLANTS, CLEAN AND READY FOR IMMEDIATE PLANTING.

	Per 100	Per 1000		Per 100	Per 1000
G. H. Crane	\$7.00	\$60.00	Jubilee	\$3.50	\$30.00
Triumph	5.00	40.00	Bon Ton	3.50	30.00
Flora Hill	5.00	40.00	Lizzie McGowan	3.50	30.00
White Cloud	5.00	40.00	Armazindy	3.50	30.00

EVELINA..... .. \$3.50 per 100; \$30.00 per 1000

WIETOR BROS.,

51 WABASH AVE.

.....CHICAGO.

4 Acres Field-Grown Carnation Plants, 120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and are packed light by our improved method of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINCREE	BUTTERCUP	MRS. C. M. BRADY
	\$1.50 per dozen. \$8.00 per hundred.	
CRIMSON SPORT	ARMAZINDY	JUBILEE
DAYBREAK	WHITE CLOUD	MELBA
TRIUMPH	\$1.25 per dozen. \$6.00 per hundred.	ELDORADO
MCCOWAN	L. L. LAMBORN	MAUD ADAMS
FLORA HILL	PORTIA	
WM. SCOTT	DOROTHY SWEET	SWEETBRIER
	\$1.00 per dozen. \$5.00 per hundred.	MRS. FISHER
		C. A. DANA
		METEOR
		ALBERTINI

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring and freedom of flower by any others grown.

50 cts. per 100 \$4.00 per 1000.

J. L. DILLON, BLOOMSBURG, PA.

Some Carnations.

FINE FIELD-GROWN.

400 Cardinal	per 100, \$3.50
800 McGowan	" 3.00
600 Scott	" 3.00
800 Albertini	" 4.00
200 Pingree	" 4.00

BROWN & CANFIELD,
SPRINGFIELD, ILL.



10,000 Carnations

Flora Hill, \$4 per 100, \$35 per 1000. Wm. Scott, \$3 and \$3.50 per 100, \$25 and \$30 per 1000. L. McGowan, \$2.50 per 100, \$20 per 1000.

C. HUMFELD
Clay Center, Kas.

Please mention the American Florist to our advertisers.

Field-Grown CARNATION PLANTS.

**READY TO SHIP
AT ONCE. . . .**

	Per 100	Per 1000
CROCKER, extra large	\$12 50	\$100 00
G. LORD, 1st size.....	12 00	100 00
MARQUIS, 1st size.....	12.00	100 00
GEN. MACEO, 1st size..	8.00	75 00

	Per 100	Per 1000
G. H. CRANE, 1st size...\$	8.00	\$75.00
" " 2nd size..	6 00	50.00
GEN. GOMEZ, 1st size..	8.00	75.00
MRS. BRADT, 1st size...	8.00	75.00

	Per 100	Per 1000
MRS. JOOST, 1st size....\$	8 00	\$75.00
AMERICA, extra fine....	8.00	75.00
MELBA, extra large.....	8.00	75.00

ROBT. CRAIG & SON, Market and 49th Streets, PHILADELPHIA, PA.

They are Fine;

None better. We offer if unsold on receipt of order.

	100	1000
2100 Bridesmaid.....in 4 -in. pots	\$4.00	\$35.00
1000 " " " " " " " "	4.00	35 00
1720 " " " " " " " "	3.00	25.00
500 " " " " " " " "	2.00	20.00
300 Brides " " " " " " " "	4.00	35.00
200 " " " " " " " "	4.00	35.00
3500 " " " " " " " "	3.00	25.00
1200 " " " " " " " "	2.00	20.00
3000 Meterns....." " " "	2.50	25.00

	100	1000
500 Mme. Chatenay...in 4 -in. pots	\$4.00	1000
100 " " " " " " " "	2.00	
125 Mme. Cuisine....." " " "	3 50	
250 Lady Dorothea...." " " "	4.00	
150 " " " " " " " "	2 50	
2000 Golden Gate....." " " "	2.50	25.00
700 Maid of Honor....." " " "	4.00	
700 " " " " " " " "	2 00	
5000 Brides and Maids in 3 and 4-in pots. These are carried over stock; they are good. We offer them at \$12.00 per 1000.		

	Per 100	Per 1000
Lafania Borbonica.....3-in. pots	\$12.00	per 100
Areca Lutescens.....4 " "	20.00	"
Cocos Weddelliana.....3 " "	12.00	"
Asparagus Sprengerii.....6 " "	25.00	"
" " " " " " " "	8.00	"
" " " " " " " "	6.00	"
" " " " " " " "	3.00	"
Ficus Elastica, 6-in. pots.....75c to \$1.50 each.		
Boston Fern, 8-in. pots....\$25.00 to \$35.00 per 100		

Plans are vigorous and unusually fine. Will be carefully packed, and we guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

80,000

FINE, LARGE, FIELD-GROWN

Carnation Plants

Your money refunded if plants are not satisfactory.

Argyle, Jubilee, Scott, McGowan, Pingree, Ev-ina, Tidal Wave,

\$3.00 per 100, \$25.00 per 1000.

Daybreak, Flora Hill, White Cloud, Armazindy, Bradt, Triumph,

\$4.00 per 100, \$35.00 per 1000.

ROSE PLANTS.

METEOR BRIDESMAID BRIDE } Large, strong plants. Per 100, \$2.50; 1000, \$20.00.

30 Boxes 10x14 A. D. S. Glas at \$3.15 per box.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

150,000 CARNATION PLANTS

Large, strong Plants, In excellent health and sold with our guarantee of perfect satisfaction or money refunded.

	100	1000
WM. SCOTT.....	\$3.00	\$25.00
LIZZIE MCGOWAN.....	3.00	25.00
ARMAZINDY.....	3.00	25.00
EVELINA.....	4.00	35.00
MRS. BRADT.....	6.00	50.00
EVANSTON.....	6.00	50.00
NIVEA, VICTOR.....	3.00	
JUBILEE.....	5.00	

PETER REINBERG,

51 Wabash Avenue,

CHICAGO, ILLINOIS.

50,000 CARNATION PLANTS

This stock is in elegant condition, strong, clean and perfectly healthy; sure to give satisfaction. Money refunded if not just as represented.

	Per 100	Per 1000	Per 100	Per 1000
MCGOWAN.....	\$3.00	\$25.00	NANCY HANKS.....	\$3 00 \$25 00
SCOTT.....	3.00	25.00	FLORA HILL.....	4 00 35.00
EVELINA.....	3.00	25.00	WHITE CLOUD.....	4 00 35.00
PORTIA.....	3.00	25.00	TRIUMPH.....	4 00 35.00

SPECIAL PRICES ON LARGE QUANTITIES.

J. A. BUDLONG,

37-39 Randolph Street,

CHICAGO, ILL.

25,000 Carnations 25,000

FIELD GROWN PLANTS OF THE FOLLOWING VARIETIES:

15,000 Flora Hill.....	\$ 5.00 per 100	2,000 Eldorado.....	4.00 per 100
4,000 White Cloud.....	8.00 " "	1,000 Wm. Scott.....	4.00 " "
1,000 Mrs. Bradt.....	10.00 " "	1,000 Daybreak.....	5.00 " "
1,000 G. H. Crane.....	10.00 " "	500 Emily Pierson.....	4.00 " "
1,000 McGowan.....	4.00 " "		

These Plants are all in first-class condition, good size and healthy stock. Write me if you are in need of a large quantity.

CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

30,000 Field-Grown

CARNATIONS

Extra fine, large and well shaped plants. Varieties:

FLORA HILL, EVELINA, VICTOR, JOOST, DAYBREAK, TRIUMPH, RED JACKET, ALBERTINI, GENESEE, TIDAL WAVE and METEOR, \$5.00 per 100.

WHITE CLOUD, \$7.00 per 100.

Special quotations on large quantities.

P. R. QUINLAN, 904 W. Genee St., Syracuse, N. Y.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

Montreal.

ANNUAL SHOW OF THE HORTICULTURAL SOCIETY.—MANY GOOD EXHIBITS.—THE PRIZE WINNERS.

The annual exhibition of fruits and flowers rather exceeded the usual success achieved by the Montreal Horticultural Society. Drummond Hall was well filled, the exhibits proving rather more numerous than usual and of very high quality. In the plant and flower department W. J. Wilshire, gardener to R. B. Angus, had things very much his own way, exhibiting some very fine material and winning first premium in twenty classes. C. A. Smith, gardener for T. A. Dawes, won nine firsts and seven seconds; Geo. Trussell, gardener to Mrs. J. H. R. Malson, eight firsts and two seconds; H. W. Mayor, gardener to R. Mackay, four firsts and nine seconds, and R. W. Whiting gardener to H. S. Mussen, four firsts and one second.

In the section for fruits and vegetables the same growers were largely in evidence, but in the classes for apples R. Jack & Son won most of the first premiums, with Malcolm Smith close at their heels.

CALUMET, MICH.—A. E. Lutey, of Ishpeming, who recently established green-houses here, has removed his family to this city.

FIELD-GROWN Carnations.

Fine Strong Plants, Clean and Healthy.

Genesee, Tidal Wave, Wm. Scott, Emily Pierson, Thomas Car ledge, \$4 per 100, \$35 per 1000. Lizzie McGowan, \$3 per 100.

Smilax Extra fine plants, 2½-in. pots, strong and healthy, \$2 per 100; 300 for \$5.

Baby Primrose Fine plants in 3-in. pots, ready for a shift, \$5 per 100.

All plants carefully packed. Shipment by Adams or American Express.

—Cash with Order, Please—

D. WM. BRAINARD, Thompsonville, Conn.

Hardy Herbaceous AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.

The Blue Hill Nursery, So. Braintree, Mass. CORRESPONDENCE SOLICITED.

Cyclamen Giganteum in all the colors.

Fine plants, well set with buds. They will make a useful size for Christmas. } in 3-in. pots, ready } } for 5-in. pots, } } \$8 PER 100.

Money Order Office EDWIN LONSDALE, Sta. H. Philadelphia. (Near Phila) WYNDMOOR, PA

TO CLOSE OUT AT ONCE.

2000 IMPERIAL, at.....\$35 per 1000.
2000 MARIE LOUISE, at...\$25 per 1000.

Van Aken Bros., Coldwater, Mich.

A New Catalogue entitled

Flowers and Floral Designs.

Twelve pages and handsome cover. Shows forty-one arrangements, with prices. For agents' use, or promoting out-of-town trade. Sample, 40c in Stamps. Circular Free.

DAN'L B. LONG, Publisher, BUFFALO.

Choicest Stock, Lowest Prices.

Roses—XX strong, in Brides, Meteors, Maida, Golden Gate and Perle, 3-3½-in. pots, 14 to 18 inches high, only \$3.00 per 100, cheap at \$6.00; 10,000 to sell.

Carnations—All grown from prize-taking stock, strong, healthy plants; Flora Hill, McGowan, Scott, Tidal Wave, Morello, Pingree, only \$3.00 per 100; 15,000 to sell.

Geraniums—5000 Bruanti, Heteranthe, LaFavorite, White Swan and American Wonder, \$1.50 per 100; strong 2½-in.

Asparagus Sprengerii—XX strong, 2½-in., ready for 4-in., only 5c.

Ageratum—Princess Pauline, strong 2½-in., \$1.50 per 100.

Crimson Rambler Roses—Field-grown, canes three to four feet, only \$10.00 per 100.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

ASPARAGUS PLUMOSUS NANUS. Per 100
Strong plants from 2½-in pots, ready for a shift..... \$5.00

ASPARAGUS SPRENGERII,
Large field-grown clumps. First size, to be potted into 6 and 7-in. pots..... 10.00
Second size, for 5-in. pots..... 6.00

BEOONIA REX. Fine stock in 3-in. pots, ready for a shift, best standard varieties 6.00

CYCLAMEN, Strong, bushy plants in 2½-in pots, finest strain, three colors..... 4.00

CHINESE PRIMROSES, Globosa type, best strain grown; colors, white, pink and red, 2¼-in. pots..... 2.50
3-in. pots, extra strong..... 5.00

BABY PRIMROSE, Extra fine, from 2½-in. pots, ready for a shift..... 4.00

NATHAN SMITH & SON, Adrian Mich.

Rose Plants.

First class, healthy plants. To close out we quote the following low prices:

500 Beauties..... 3-inch, \$4 00 per 100
1000 Perles..... 3 " 3.00 "
1000 Meteors..... 3 " 2.00 "
800 Bridesmaids..... 3 " 3.00 "
400 Brides..... 3 " 3.00 "

CARNATION PLANTS.

Strictly first-class and in fine shape. Mrs. Bradt, \$5 00 per 100. White Cloud, Flora Hill, Gold Nugget, Evanston, \$4.00 per 100. Wm. Scott, Portia, Victor, \$3 00 per 100

A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers

BOSTON FERN.

2½-in. pots, \$5.00 per 100; 3-in. \$8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY, West Grove, Pa.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

MY TRIP FROM THE CONVENTION.

After the convention and on my homeward bound, I stopped at several places to take a look around, I visited "Harris"—for here one much can learn. He's famous for the "Rubber" and the "Boston Fern."

His new French plate glass houses gave me great concern. In these he grows his stock of his famous Boston Fern.

He grows them short and dense, and very cool and light. He has a Ventilator that works both day and night.

These ferns they surely show a great display of skill, And nature grants obedience to their master's will.

His general stock's conceded to be the finest grown, But that he's taken up the fern is not so widely known.

So to all the trade from far and near, I would tell To buy your stock from Harris; he will serve you well.

If the space would permit, I would tell the nation All I saw at his place, and give his quotation. JOHN SMITH.

AS Mr. John Smith is so well and favorably known the world over for veracity, therefore in justice to Mr. Smith for the philanthropic interest he has taken in imparting horticultural knowledge to the public, and for the convenience of the same, I will give quotations on a few of my specialties as follows:

BOSTON SWORD FERNS. Each.
6-inch pots well developed.....\$.75
8 " " "..... 1.00
8 " very strong and bushy 1.50
10-inch pans " " \$2 to 3.00
12 " " " 4.00

RUBBERS (Ficus Elastica).
6-inch pots, heavy foliage, 20 to 22 inches high..... .50
6-inch pots, heavy foliage, 30 inch high..... .75
8 inch pots, heavy foliage, 40 inches high..... 1.00

FAMOUS BRANCHED RUBBERS.
8-inch pots, 20 to 25 inches high 1.50
10 " 30 to 35 " 3.00

PANDANUS VEITCHII.
6-inch pots, fine stock well colored..... 1.00
8-inch pots, fine stock well colored..... 1.50

PANDANUS UTILIS.
3-inch pots, no trace of spot or rust..... .10

DRACÆNA SANDERIANA.
3-inch pots, top cuttings 8 inches high..... .15

ARECA LUTESCENS.
10-inch pots, deep green foliage 6 feet high..... 10.00
12-inch pots, deep green foliage 7 feet high..... 15.00
14-inch pots, deep green foliage 8 feet high..... 25.00
16-inch pots, deep green foliage 10 to 11 feet high..... 50.00

LIVISTONA ROTUNDIFOLIA.
6-inch pots, compact and perfect 1.00

LATANIA BORBONICA.
5-inch pots, 3 plants in the pot.. .30
6 " 3 " " .. .50
6 " single plant well developed..... .75

ASPARAGUS SPRENGERII.
8-inch pots, strong, good color.. 1.00

SAGO PALMS (Cycas Revoluta).
8-inch pots, well established 1.50 to 2.00

WM. K. HARRIS,

55th Street and Springfield Avenue, PHILADELPHIA, PA.

HEADQUARTERS FOR ERICAS, Palms, Decorative and Flowering Plants.

For immediate delivery we have Phoenix Canariensis from \$2.00 to \$8.00 each. Diam. of Crown. Per Pair. Standard Bay Trees..... 24 to 26 inches..... \$12.00

Larger plants up to \$20.00 each. Pyramids, very large, \$25.00 per pair. Kenia Belmoreana and Forsteriana, small plants from 15c to 25c each; larger plants from 50c to \$25.00 each, all sizes. Araea Lutescens, \$3.00 and \$4.00 per doz. Larger plants, \$1.50 to \$2.00 each.

Livistona, \$3.00 per dozen. Lantana Borbonica, from 50c to \$1.50 each. Boston Ferns from 50c to 75c each. Araucaria excelsa from 75c to \$3.00 each. Araucaria glauca from \$1.50 to \$3.00 each. Araucaria compacta robusta, \$3.00 each. Rubbers 35c to 75c each. Cyclamen persicum giganteum, \$3.00, \$4.00, \$5.00 and \$6.00 per dozen. Plants in 4 and 5-inch pots, \$25.00 per 100.

Ericas for Delivery from October 1st. Erica fragrans, Christmas variety, small plants, \$10.00 per 100; two-year-old set with buds, ready for Christmas forcing, \$50.00, \$75.00 and \$100.00 per 100. Larger plants up to \$5.00 each. Erica vilmoreana, well set with buds for Christmas, \$50.00 and \$75.00 per 100. Small plants \$15.00 per 100.

Varieties which will bloom after Christmas and for Easter. Erica depressa, the best, \$75.00 and \$100.00 per 100. Erica mediterranea \$6.00 per dozen. Erica peralba \$6.00 and \$9.00 per dozen. Erica rosea, \$6.00 and \$9.00 per dozen.

Small plants for ferneries, etc., which will bloom this fall and winter. Erica pers. rubra, \$10.00, \$15.00, \$20.00 and \$25.00 per 100, 3 1/4-inch; pink. Erica gracilis autumnalis, \$20.00 per 100; pink. Erica germainiana \$10.00 per 100; white. Erica peralba, \$8.00, \$10.00 and \$15.00 per 100. Erica rosea, \$8.00, \$10.00 and \$15.00 per 100.

Cash With Order From Unknown Parties. When ordering add to a \$10.00 order 50c for packing; \$25.00, \$1.00; \$50.00, \$1.50; \$75.00, \$2.00; \$100.00, \$2.50.

ANTON SCHULTHEIS, P. O. Box 78, COLLEGE POINT, QUEENSBOROUGH, NEW YORK CITY.

100,000 FERNS IN FLATS - - - -

At One Cent. Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginella, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

BOSTON FERN SPECIALTY. L. H. FOSTER, 45 King St., Dorchester, Mass.

ANOTHER BABY ROSE, "Snowflake"

GENUINE SNOW IN SUMMER. THE LATEST FAD IN ROSES.

Blooms very freely in 2-inch pots—plants in 6-inch pans show 50 to 100 flowers open at one time. Dainty little pink bud and very double white flowers in large clusters. Perfectly hardy and grows only about 8 inches high; fine for cutting, excellent for the garden. Every visitor falls in love with it. The high praise bestowed on it by every florist who has seen it—all of whom predict a steady demand—has induced us to introduce it for the originator.

Price for delivery December 1st, when not more than 5000 plants will be ready—send for photos: From 2-in. pots, \$15 per 100, \$2.50 per 12. Rooted Cuttings, \$10 per 100. From 3-in. pots, \$25 per 100, \$4 per 12. 25 at 100 rate, by express.

Asparagus Sprengerii—Fine plants in 2 1/2-in. pots, ready for 3 1/2-in., \$4 per 100, \$35 per 1000. Fine plants in 3 1/2-in. pots. Plants in 5's, \$20; in 6's, \$30 per 100.

The New Lace Fern—Excellent Fern for cutting; fronds last 3 to 4 weeks in water, bring \$1 to \$2 per 12; very hardy, grows well under benches; 2 1/2-in., \$5; 3 1/2-in., \$8 per 100.

Edelweiss, or Snowflower—The coming fad, \$1 per 12, \$6 per 100.

New Buddleia Variabilis or Glory of the Butterflies—Grand hardy plant. Might be called a hardy Lilac Mignonette, spike 1 foot long, \$2 per 12, \$12 per 100, strong.

Spotted Callas, \$3. Little Gems, \$2.50. White Callas, \$2.50. Yellow Callas, \$2.0. All per 100. 50 other new and rare plants not to be had elsewhere.

SEND FOR CATALOGUE.

A. BLANC & CO., Philadelphia, Pa.

Please mention the American Florist when writing

JOSEPH HEACOCK, WYNCOTE, PA., OFFERS THE FOLLOWING HOME-GROWN Palms Free from INSECTS and DISEASE of any kind. They cannot fail to Give Satisfaction. Should be seen to be appreciated. A Trial Order is Solicited. ARECA LUTESCENS. 3 plants, 6-inch pot, 24-inch..... \$12.00 per dozen; \$100.00 per 100

PRIMROSES.

IMPROVED CHINESE. Well known as the finest large-flowering fringed varieties grown. SINGLE and DOUBLE, named colors, \$2.00 per 100 \$17.00 per 1000; out of 2-inch pots. Extras added liberally to help pay expressage. STRICTLY CASH PRICES.

THE HOME OF PRIMROSES. JOHN F. RUPP, Shiremanstown, Pa.

Chinese PRIMROSES

15,000 finest large flowering fringed..... 1000, \$15.00; Per 100, \$1.75 Obconica grand, Ambriata, rosea and Forbesi..... 2.00 Asparagus Sprengerii, \$3.00 per 100. Plumosus..... 4.00 Fanny Plants October 15, large flowering..... 100, 50c; 1000, \$3.00

Cash Please. JOSEPH H. CUNNINGHAM, Delaware, Ohio.

If You Have Stock To Sell..

the best way to make that fact known to the trade is by regular advertising in Give it a trial. ...The American Florist.

Lincoln.

FLORISTS MAKE GOOD SHOWINGS AT THE NEBRASKA STATE FAIR.—SOME OF THE PREMIUM WINNERS.

While Lincoln was holding the Nebraska State Fair, the florists of Omaha and Lincoln made a brilliant display of palms, ferns, cut flowers and floral designs. Hess & Swoboda, of Omaha, carried away first premium on floral design, which was a broken wheel, made of red, yellow and pink roses and auratum and rubrum lilies, which gave it a very striking effect. Chapin Bros., of Lincoln, were first on cut flowers. Their American Beauties were fine. C. B. Keller, of Lincoln, was first on floral wreath. There were many other premiums on plant stock, of which Louis Henderson, of Omaha, carried away the greater part. C. W. S.

WORCESTER, MASS.—The Worcester County Horticultural Society will have no chrysanthemum show this year. The annual meeting will be held November 7.

BUCKSPORT, ME.—F. H. Moses has been making extensive repairs and improvements in his glass, increasing his facilities to correspond with his growing business.

CLIMBERS.

- 20,000 Clematis Paniculata, 2 yrs., fr. open ground, " " " " pot grown.
- 10,000 Iris, 1 year, open ground.
- 10,000 Ampelopsis Veitchii, 1 year, pot grown.
- 10,000 H. H.'s Honeysuckles, very strong.
- 5,000 Evergreen and Golden Honeysuckle, very strong.
- 10,000 Rosa Wichurajana, 1, 2 and 3 years.
- 3,000 Wichurajana Hybrids.
- 20,000 Acimidia Arguta, Wistaria and other vines.

THE WM. H. MOON CO., Morrieville, Pa.
 NURSERIES } 30 miles from Philadelphia,
 } 60 miles from New York.
 PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

- CABBAGE** plants, 11. Succession, Early and Late, Flat Dutch, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.
 - CELERY** plants, Pink Plume, New Rose and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.
 - LETTUCE**, Grand Rapids, Curled Simpson and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.
 - PARSLEY**, extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage, Celery and Lettuce, 25c per 100 on Parsley)
- CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

Special Offer until October 1st
PHOENIX CANARIENSIS,

Elegant stock; fully characteristic. 4 1/2-inch pots, \$25.00 a hundred; 5 1/2-inch pots, \$35.00 a hundred. This is surely a bargain.

J. B. HEISS,
 The Exotic Nurseries, DAYTON, OHIO.

TO CLOSE OUT.

- 500 American Beauties, 2 1/2-in., \$5.00 per 100, or \$20.00 for the 500.
- 2000 Kaiserin, 2000 Golden Gate, 2000 Bridesmaid, 1000 Meteor, 500 Garrett, 500 Bride, 500 Perle, 500 Mermet, 3 and 3 1/2-in., \$3.00 per 100, or \$25.00 per 1000.

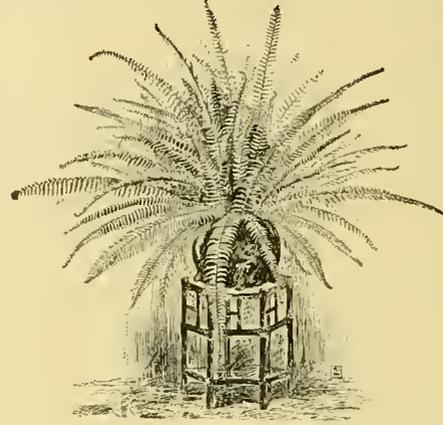
These are Fine Plants. Cash With Order.
MRS. J. W. CROUCH, Chattanooga, Tenn.

PANSIES.

Roemer's Superb Prize, nice plants from seed bed, 50c per 100, \$1.50 per 500, \$2.50 per 1000.
S. T. DANLEY, MACOMB, ILL.

Primrose and Cyclamen. Primrose, latest improved large flowering, fine plants, ready for 3 1/2, \$2 per 100. Cyclamen Giganteum, 3-inch, \$5 per 100. Extra added. Cash please. **J. W. MILLER, Hatton, Cumb. Co., Pa.**

CHEAP TO CLOSE OUT.



- Boston Ferns**, the true variety, from 2 1/2-in. pots, \$3 per 100, \$25 per 1000.
 - Asparagus Plumosus Nanus**, from 2 1/2-in. pots, \$3.50 per 100, \$30 per 1000.
 - Asparagus Sprengerii**, from 2 1/2-in. pots, \$2.50 per 100, \$20 per 1000.
 - Acalypha Sanderi**, from 2 1/2-in. pots, \$4 per 100, \$35 per 1000.
 - Acalypha Sanderi**, from 3-in. pots, strong plants, \$6 per 100.
 - Crotons**, 12 best bedding varieties, from 2 1/2-inch pots elegant plants, \$3 per 100, \$25 per 1000. These will be fine to shift on for next year's bedding.
 - Ponderosa Lemon**, largest Lemon grown, bears fruit weighing two pounds and over. Is bound to become a popular plant. Fine plants from 2 1/2-inch pots, \$1 per doz., \$7 per 100.
 - Calla Lilies**, 1 1/4 to 1 1/2-in. diameter, 75c per dozen, \$5 per 100.
 - Calla Lilies**, 1 1/2 to 1 3/4-in. diameter, \$1.25 per dozen, \$7 per 100.
 - The two new **Russelias**, **Lemoinei Multiflora** and **Lemoinei Elegantissima** 60c per doz., \$4 per 100.
 - Bougainvillea Sanceriana**, from 2 1/2-inch pots, \$6 per 100.
 - Weeping Lantanas**, 2 1/2-inch pots, \$2 per 100, \$18 per 1000.
 - Otaheite Orange**, from 2 1/2-inch pots, \$3 per 100, \$25 per 1000; from 3-in. pots, \$4.50 per 100, \$40 per 1000.
- Send us your list of Roses for quotation. Our Fall Trade List now ready. Write for it.

The GOOD & REESE CO.,

LARGEST ROSE GROWERS IN THE WORLD, Springfield, O.

STRONG FIELD-GROWN PLANTS OF Farquhar Violets.

Free from disease of any kind. \$6.00 per 100; \$50.00 per 1000.

JOHN MCFARLAND, North Easton, Mass.

CANNAS. Extra large clumps of the following varieties, \$3.00 per doz.

Egandale, Chicago, F. Vaughan, Robt. Christie, Almania, Mlle. Berat, Pres. McKinley and other good varieties.

W. W. COLES, KOKOMO, IND.

Edward B. Jackson, WHOLESALE FLORIST.

Hardy Herbaceous Plants Only. In any quantity, for the least money. **STAMFORD, - CONN.**

Boston Ferns.

Extra fine plants from bench, ready for 6 inch pots, \$2.50 per doz. From 2-inch pots, \$3.00 per 100.

Cash, please. **DAVIS BROS., Morrison, Ill.** Please mention the American Florist when writing.

- CHAMAEROPS**, extra 18-24-inches high, 4-6 character leaves, \$12.00 per 100.
 - PHOEN X CANARIENSIS**, from 2-inch pots, very strong, \$6.00 per 100.
 - Large, very fine **PHOEN X, DRACAENAS** and **CHAMAEROPS**, from 4 to 15 feet high, in boxes or from open ground. Price on application.
 - Two-year-old **HIPPEASTRUM** (Amaryllis), of a very fine strain, \$10.00 per 100.
- CASH WITH ORDER PLEASE.
A. ROEDDER, Shorb, near Los Angeles, Cal.

Pansies and Daisies.

Giant Trimardeau and Roemer's Superb Prize strains. 50c per 100 postpaid; \$3 per 1000, \$12.50 for 5000, express. Our large flowering strain, 40c per 100, \$2.50 per 1000, \$10.00 for 5000.
 Hardy Daisies, Snowball and Longfellow, 50c per 100, \$3.00 per 1000, \$12.50 per 5000.
 Carex Japonica Variegata, 2-in., fine, \$3 per 100.
 CASH PLEASE.
BYER BROS., CHAMBERSBURG PA.

BABY PRIMROSE

Out of 2 1/2-in., ready for 4-in., \$2.00 per 100.
Henry Eichholz, Florist, Waynesboro, Pa.

BOSTON FERNS,

Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$20.00-\$25.00 per 100. Also fine plants in 5-6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100, \$4.50 per doz. This is exceptionally good value.

- Asparagus Plumosus Nanus**, 3-in., extra fine, \$8.00 per 100.
- Asparagus Sprengerii**, 2-in., \$6.00 per 100.
- Kentia Belmoreana**, 2 1/2-in. pots, \$10.00 per 100, 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00.

Send for Particulars.
BOBBINK & ATKINS
 RUTHERFORD, N. J.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.
BEGONIA Light Pink LORRAINE
 50c each, \$5.00 per dozen, \$40.00 per 100. Plants of either of the above from 2 1/4-in. pots, strong and healthy. See Convention Number for description of the last named newer variety. They will be the most popular plants for Christmas holiday gifts for years to come.
 Order Early From

Money Order Office, Sta. H. Philadelphia
EDWIN LONSDALE, WYNDMOOR, (Near Pulla), Pa.
 N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

Field-Grown VINGA VAR. VINES

Per 100
 First size, from 4 to 6 long vines to plant, \$4.00
 Large size, " 7 to 10 " " 6.00
 TERMS CASH OR C. O. D.

WM. A. CLARK & SON,
 No. 59 State St., WATERTOWN, N. Y.

- BOSTON FERN**, 7 and 8-in. pans \$12 and \$15 per doz.
- GERANIUMS**, S. A. Nutt and others, 3-in., \$4 per 100.
- NEP. CORDATA COMPACTA**, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.
- ASPARAGUS PLUMOSUS**, 2 1/2-in., \$5 per 100, \$40 per 1000. **ASPARAGUS SPRENGERII**, 2 1/2-inch, \$4.00 per 100; \$30.00 per 1000.
- SMILAX**, transplanted, heavy, 50c per 100.

CASH PLEASE. **Carl Hagenburger, W. Mentor Ohio.**

VIOLETS

Field-grown Campbells and M. Louise, \$4.00 per 100, \$35.00 per 1000.
ROSES, Meteors, Perles, Maids and Brides; extra fine stock, 3 in., \$3.00 per 100, \$25.00 per 1000. Discount on large lots.
CARNATIONS, a bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for price list.
CRABB & HUNTER, Grand Rapids, Mich.

WE ARE READY

For the coming season with the most complete and comprehensive line of "Florists' Supplies" to be found in America.

Being one of the LARGEST IMPORTERS AND MANUFACTURERS of

Florists' Supplies

We invite every Florist to step in and see our stock, if at all possible, or write to us for our HANDSOME NEW ILLUSTRATED CATALOGUE, which will be found complete and up-to-date. A few of our specialties are

IMPORTED CYCAS LEAVES (dull and glazed), our FAMOUS WHEAT SHEAVES, IMMORTELLES, CAPE FLOWERS (all colors), NOVELTIES IN FANCY AND PLANT BASKETS, for every occasion; POT COVERS, PEDESTALS, and EVERYTHING that is needed by the trade will be found at "HEADQUARTERS."

M. RICE & CO., Importers and Manufacturers,
918 Filbert St., PHILADELPHIA, PA.

PRIMROSES

Three inch pot plants, Roemer's best mixture, \$4.00 per 100.

SMILAX

Second size plants from 2 1/4-inch pots, \$1.00 per 100.

CARNATIONS

Good second size plants of Ethel Crocker. Send for sample and price.

ALBERT M. HERR
LANCASTER, PA.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM— Finest strain in the world, in four true colors; a splendid stock of plants from 2 1/2-in. pots, \$5.00 per 100, \$40.00 per 1000; from 3-in. pots, \$7.00 per 100, \$60.00 per 1000.

CHINESE PRIMROSES— (fringed) single and double, in the finest market varieties; from 2 1/4-in. pots, \$2.50 per 100.

BEGONIA REX—(rooted cuttings). I have a most beautiful collection of this justly popular pot plant in 25 very handsome varieties, assorted, \$2.00 per 100; mixed, \$1.50 per 100.

ALL STOCK GUARANTEED A No. 1.
PAUL MADER, East Stroudsburg, Pa.

PERLES, MAIDS, 3-INCH.SELECT.

Choice, strong stock, which will largely make up for late planting. They will pay for themselves in a few weeks. Absolutely sure to satisfy.

PERLES, \$4.00, worth \$6.00.
MAIDS, \$3.50, worth \$5.00.

Write for a very special low price on 300 or more.

WANTED— 400 McGowan, strong, and 300 strong pot-bound 3 or 3 1/2-in. Smilax in exchange.

W. H. GULLETT & SONS,
LINCOLN, ILL.

STUDER PAYS FREIGHT

On a sample order of my excellent stock of **PALMS, FERNS** and other **DECORATIVE PLANTS.** Send for Price List.

N. STUDER, Anacostia, D. C.

We've thousands of readers and hundreds of advertisers. Each helps the other.

At it Again!

COME AND BUY!

Every Tuesday and Friday during September and October,

PALMS, CARNATIONS

And other seasonable stock

AT AUCTION

We have consignments from good growers.

IN YOU CANNOT ATTEND PERSONALLY SEND US A LIST OF YOUR WANTS AND YOUR BIDS.

N. F. McCarthy & Co.

84 Hawley St., BOSTON, MASS.
CORRESPONDENCE SOLICITED.

Dracaena Indivisa, open ground, fine stock, \$7.00 per 100.

Vinca Major, open ground, strong, \$5.00 per 100.

Oleanders, dbl. pink and dbl. white, 2 1/2-in., very strong stock, \$4 per 100, \$30 per 1000.

Smilax, strong 2 1/2-in. pots, \$2 per 100.

Bride and Bridesmaid Roses, 3-in. stock, fine, \$4 per 100.

200,000 Small Pots for sale cheap.

A lot of 8x10 Glass for sale cheap.

W. L. SMITH,
AURORA, ILL.

Palms Ready to Shift.

Latania Borbonica, strong 3-in. \$ 7.00 per 100
" " ex. strong 5 in. 35.00 " "
" " large plants, 18-in. tubs, 7-ft. high, 8-ft. broad, \$12 each, \$20 per pair. **Pandanus Utilis**, large, 16-in. tubs, \$8 each, \$15 per pair. **Ficus Elastica**, 16-in. tubs, straight stems, large, bushy crown, \$8 each, \$15 per pair. Plants above in perfect condition. **Poinsettia Pulcherrima**, 2 1/2-in., strong, \$5 per 100. Packed to ship by freight (now). **JOHN B. GOETZ, Wholesale Florist,** 2165 Mackinaw St., Saginaw (W. S.) Mich.



Some Cheap Plants FOR CASH.

	Per 100
500 Choice Mixed Ferns, 4-in.	\$8.00
20,000 Pansy Plants, Giant Fancy Flowering, 1 6 New Ruffled Sorts, per 1000,	4.00
5,000 Flowering Begonias, 10 varieties, named, 2 1/2-in.	1.50
10,000 Geraniums, 40 varieties mixed, June rooted, 2 1/2 in.	1.50
200 Boston Ferns, extra strong 5-in.	10.00
2000 Field-grown Roses, Bride, Bridesmaid and Perle.	5.00
2000 Field-grown Geraniums, 40 var. mixed	5.00
1000 " Coleus, 10 varieties, named	5.00
5000 " Jerusalem Cherry, hundreds of berries, 2-ft. diam., bushy, fine.	10.00
10,000 Chinese Primulas, blue, white, pink and red, separate, Barnard's strain, fine.	1.50

THE MORRIS FLORAL CO., MORRIS, ILL.

Please mention the American Florist when writing.

Providence.

MEETING OF THE CLUB.—DISCOURSE ON SAN JOSE SCALE.—A DAMAGING STORM.

The monthly meeting of the Florists' and Gardeners' Club of Rhode Island was an interesting one. Much time was consumed relating pleasant experiences while at the S. A. F. convention and many signified their intention of booking for Buffalo. James M. Southwick, Curator of the Natural History Museum at Roger Williams Park, gave a very instructive talk on the San Jose scale, showing specimens of fruit and twigs of trees that were living examples of the ravages of this pest.

On September 12 a young cyclone with a long appendage, lasting all day and well into the night, visited us. The gale and temperature at 90° made sad havoc with herbaceous stock as well as other things in exposed situations.

LITTLE RHODY.

SPARTA, Wis.—Z. K. Jewett & Co. are adding a lean-to house to their place.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.
Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

Möller's Deutsche Gärtner-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt. (GERMANY)

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE, all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.
DUNNE & CO., 54 West 30th St. New York.
HORTICULTURAL SUPPLIES.

DIED AT 103—CHEVREUL

We are his disciples in encouraging the use of harmonious combinations of the most durable and beautiful colors for house painting. Send for sample cards of LUCAS PAINTS.

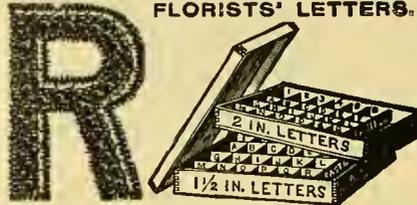
PURE RAW BONE MEAL

Put up especially for our trade. For Roses and Carnations nothing equals it. Use it on Chrysanthemums and you will win the prize at your flower show for the best bloom. 10 pounds, 40c; 25 pounds, 75c; 50 pounds, \$1.25; 100 pounds, \$2.00; 1 Bag, 200 pounds, \$3.75.

THE VAIL SEED CO., Indianapolis, Ind.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$3.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortalises.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
60, 62, 64 and 66 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.
404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

REED & KELLER,

Manufacturers of Florists' Designs.
Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

SIGMUND GELLER

Importer and Mr. of Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

SMILAX STRINGING Made Easy by the use of

MEYER Green SILKALINE

JUST THE SHADE OF THE FOLIAGE.
Samples and prices free.

JOHN C. MEYER & CO.,
80-84 Kingston St. BOSTON, MASS.
For sale by leading Florists.

“NICOMITE”

(PATENT)

Vapor Insecticide POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

ALL GREENHOUSE BUGS.

SOLD BY SEEDSMEN.

The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.



LIQUID PLANT FOOD

For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY.

Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.



Invalid Appliance Co.,

MANUFACTURERS OF COLUMBIA PLANT TUBS (PATENTED)

"The kind that never fall apart."

If your salesman doesn't handle them, order of us direct.

FACTORY AND OFFICE: 150-160 WEDDER ST., CHICAGO. TELEPHONE NORTH 952.

KIFT'S PATENT Adjustable Vase Holders

No. 1—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2—Heavy 4 ft. rod braced and nickled, with three clasps for 6 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tubas, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
1725 Chestnut St. Philadelphia, Penn.

Imported Prepared

CYCAS LEAVES

LOWEST PRICES.

RECEIVING REGULAR SHIPMENTS.

Florida Natural Products Co.,

P. O. Box 273, Indianapolis, Ind.

THE Regan Printing House

NURSERY SEED FLORISTS CATALOGUES

37-91 Plymouth Place,

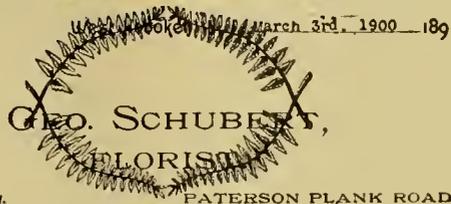
CHICAGO.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

THIS IS THE HEATER,



AND THIS IS WHAT THEY SAY OF IT.



Ferns a Specialty.

PATERSON PLANK ROAD.

Messrs. THOS. W. WEATHERED'S SONS,
46 and 48 Marion Street, New York, N. Y.:

Gentlemen—I am highly gratified with the results I have obtained from your Sectional Boiler which you put in for me last October. Although you would only guarantee the six sections to heat 1620 feet of 4-in. pipe, I attached it to over 1,800 feet. It did it so well that I put on about 300 feet more, making in all 2,100 feet, and I am positive that I can add more to it. It is the best I have ever seen and a great coal saver. I have to keep the fire door open all the time. I would be pleased to have anyone call and see it. Yours truly,

George Schubert

WE REFER to the following named parties who have lately purchased and are using our Sectional Boiler:

- E. M. Wood & Co., Natick, Mass.
- David Dean, Astoria, N. Y.
- Wm. G. Muller, Lyons Ave., Newark, N. J.
- N. Y. Zoological Gardens.
- Geo. Schubert, West Hoboken, N. J.

- R. E. Shufelt, Chatham, N. Y.
- A. E. Aldrett, Morrison, Ill.
- J. W. Miller, Craighead, Pa.
- John Scott, Flatbush, Brooklyn, N. Y.
- Keap St. Greenhouses, Brooklyn, N. Y.

- Geo. Fick, West Hoboken, N. J.
- A. Brunner, Lyons Farms, N. J.
- H. C. Patthey, Bayshore, N. Y.
- Ditzenberger Bros., Bay Ridge, N. Y.

Established 1859. **THOS. W. WEATHERED'S SONS,** HORTICULTURAL ARCHITECTS AND BUILDERS,
Mrs. of Hot Water and Steam Heaters. 46 Marion St., NEW YORK.

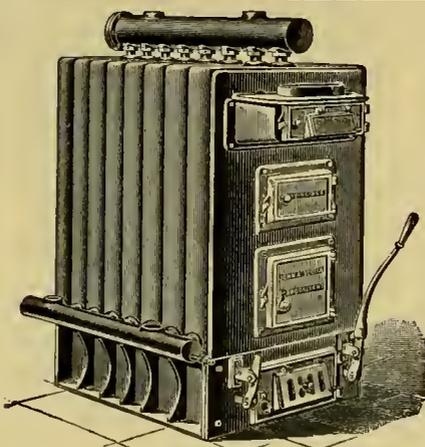
CYPRESS
IS MUCH MORE DURABLE THAN PINE.

CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.

GREENHOUSE AND OTHER BUILDING MATERIAL.

Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.

THE A. T. STEARNS LUMBER CO.,
Neposens, Boston, Mass.



...THE...
SCOLLAY BOILER

FOR
Greenhouse Heating, Etc.
HOT WATER OR STEAM.

FARMINGTON, CONN., March 9, 1896.
"The Invincible Boiler you placed in my Carnation houses has given great satisfaction. I did not have to run the boiler hard even when the thermometer stood 18° below zero. It has proved 'Invincible' in every respect."
HUGH CHESENEY, Florist.

SEND STAMP FOR CATALOGUE AND PRICE LIST.
Estimates Cheerfully Given.

JOHN A. SCOLLAY,
74 and 76 Myrtle Ave., Brooklyn, N. Y.

Boilers OF HIGH GRADE.
For GREENHOUSES.
See our Catalogue.

Steam and Hot Water. **Giblin & Co., Utica, N. Y.**

MASTICA
FOR GLAZING GREENHOUSES.
Proven superior to putty. Easier to apply and stays on. Not affected by extremes of weather. Endorsed by prominent florists. Send for descriptive circular of Mastica and Mastica Glazing Machines.
Sole Mfrs. **F. D. PIERCE CO., 170 Fulton St., New York.**

GARLAND'S IRON GUTTER AND DRIP CONDUCTOR. NO SNOW OR ICE.

Waterway Capacity for 6,000 feet of Glass.
Length of section, 5 ft.; weight, 65 lbs.; carrying capacity 4070 lbs.

This Gutter will save money in cost of construction as well as in rebuilding.

Parties contemplating using iron gutters will do well to note the wording of Patent No. 616,781, issued to Geo. M. Garland, as published in previous issues.

Iron Plate and Drip Conductor for Outside Walls of Disconnected Houses.

GEO. M. GARLAND, - DES PLAINES, ILL.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS,
RICHMOND, IND.

All Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the
"Horticultural Advertiser"
This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.
Address **EDITORS OF THE "H. A.,"**
Chilwell Nurseries, LOWDHAM, Notts, England.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.
\$2.00 Per Year. Sample Copies Free.
Liberal terms to florists who take subscriptions.
THE GARDENING CO. Monon Bldg. CHICAGO.

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.
PRICE 15 CENTS POSTPAID.
AMERICAN FLORIST CO., 322 Dearborn St. Chicago

Die Bindekunst

Einzige Special Zeitschrift der Welt für **BLUMENBINDEREI.**
Probennummern umsonst.
Abonnement 10 M. jährlich.
J. OLBERTZ, Bindekunst Verlag,
ERFURT, DEUTSCHLAND.

New Haven.

RETAIL TRADE STILL AT THE EARLY AUTUMN LEVEL.—VARIOUS NOTES.

There has been no noticeable change in retail trade for the past two weeks. Growers are commencing to cut from new stock, and roses are looking much better than at last writing. Most of the growers are housing their violets and carnations, which are in good shape considering the very dry summer.

S. H. Moore has just finished making some noticeable improvements in his store. A very handsome ice box has been put in, also new fixtures.

W. F. Joost, of East Haven, is sending some very fine Simple asters to New York daily. His violets, planted in recently, are doing very well.

Recent visitors: R. Dreyer, Woodside, L. I.; S. S. Skidelsky, Philadelphia. G. H.

MERRILL, Wis.—Nick Grievelding is rebuilding and thoroughly modernizing his establishment.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20		
1500 2 1/4 " " " 5.25	80 " " " 3.00		
1500 2 3/4 " " " 6.00	45 " " " 3.60		
1000 3 " " " 5.00	45 10 " " " 4.80		
800 3 1/4 " " " 5.80	24 11 " " " 3.60		
500 4 " " " 4.50	24 12 " " " 4.80		
320 5 " " " 4.51	12 14 " " " 4.80		
144 6 " " " 3.16	6 16 " " " 4.50		

Seed pans, same price as pots. Send for price list of cylinders for cut flowers, hanging baskets, lawn vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... **FORT EDWARD, N. Y.**
AUGUST HOLKER & SONS, New York Agents
59 DEW STREET NEW YORK CITY

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 18 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNECKE CO., MILWAUKEE, WIS.

Standard **FLOWER POTS**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWANN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.

GEO. KELLER & SON,
MANUFACTURERS OF



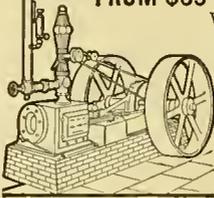
Flower Pots.

Before buying write for prices.

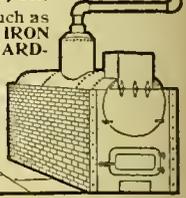
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

MACHINERY and SUPPLIES at BARGAIN PRICES

We have the largest machinery depot on earth. We secure our machinery from the various buildings and plants that we are constantly buying. We purchased The World's Fair, The Omaha Exposition, The Chicago Post-Office and numerous other noted structures. Our facilities for rebuilding machinery are unsurpassed. We cover all our sales with binding guarantees. **BOILERS FROM \$25 UP. ENGINES FROM \$35 UP. STEAM PUMPS FROM \$15 UP** - etc., etc.



We also carry a complete stock of general supplies, such as BELTING, SHAFTING, HANGERS, PULLEYS, IRON PIPE, VALVES and FITTINGS, IRON ROOFING, HARDWARE, PLUMBING MATERIAL, etc. Cut this ad. out and we will send you Free our 250 page Catalogue No. 47. We are constantly buying entire stocks at Sheriffs and Receivers Sales.
CHICAGO HOUSE WRECKING CO.
West 35th and Iron Streets, CHICAGO.



CYPRESS WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO.

111 to 125 BLACKHAWK ST.
COR. HAWTHORNE AVE.
CHICAGO.

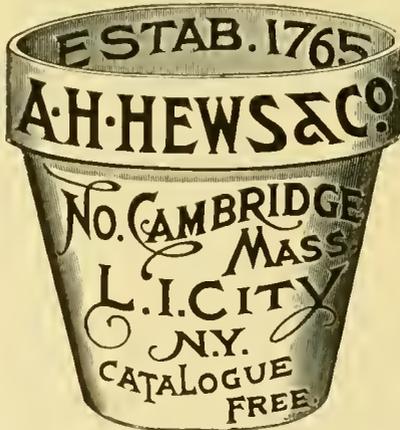


EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....

THE CHAMPION VENTILATING APPARATUS

Catalogue is free. A postal with your name and address secures it. Address

COOLIDGE BROS., Florists,
So. Sudbury, Mass.



The Bottomless Pot

Pat'd,

MORE ESPECIALLY FOR VIOLET AND CARNATION CULTURE,
ALSO

THOSE RED POTS

"Standards."

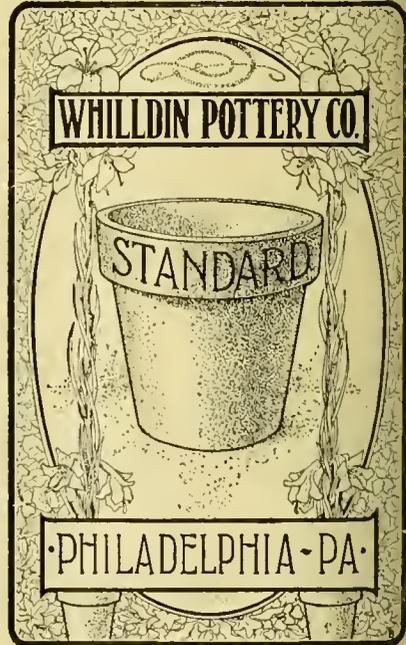
Azalea Pots, Fern Pots, Bulb Pans.

DETROIT FLOWER POT M'FY.

Established 1853. DETROIT, MICH.

P. O. Address, 490 HOWARD ST.

HARRY BALSLEY, Traveling Representative.



BRANCH WAREHOUSE: Jersey City, N. J. Long Island City, N. Y.

INDEPENDENT OF ALL TRUSTS.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. **THE REED GLASS & PAINT CO.,** 466 W. Broadway, NEW YORK.

Please mention the American Florist when writing.

GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

LANCASTER, PA., June 17, '99.
MR. THERON PARKER,
Brooklyn, N. Y.:

Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900.
Very Respectfully,
ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.,

226 North 9th Street,
BROOKLYN, N. Y.

THE MODEL ROSE STAKE Looped and Pointed.

THE MODEL PLANT STAKE for Lilies and all Pot Plants.



MY PICTURE AS A "KID."
(Presenting a rear view of a stern reality)

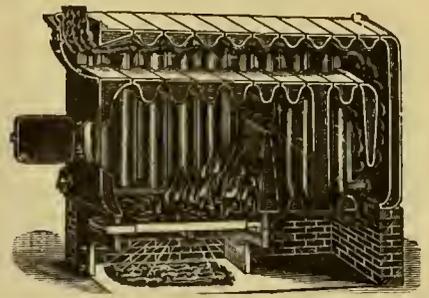
When I was young, you will observe, I was very backward; but I have got over that, and now come to the front claiming to have the best **WATER HEATER, VENTILATING APPLIANCE** and **SASH HINGE** for greenhouse purposes, that are in the market.

Furthermore, they are so simple in construction I can afford to sell them much cheaper than other styles.

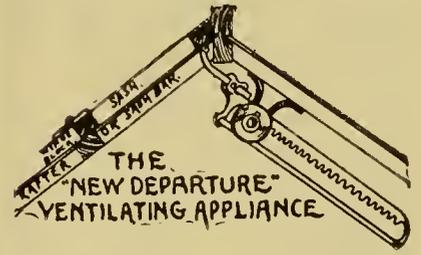
Now florists, don't be backward in sending for a catalogue. Remember, when you find you **NEED** a thing, the sooner you get it, the more you will have for your money, again I say **"DON'T BE BACKWARD,"** but **"keep up with the band wagon."** Let me hear from you **AT ONCE.**

J. D. CARMODY, Evansville, Ind.

Please mention the American Florist when writing.



AMERICAN CHAMPION BOILER.



THE "NEW DEPARTURE" VENTILATING APPLIANCE

THE NEW Standard Ventilating Machines.

Always reliable.
Self-oiling.
Four Styles.
All warranted first-class.
Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO.,
YOUNGSTOWN, O.

Please mention the American Florist when writing.

D. O. Cunningham Glass Co.,

PITTSBURG, PA.

**TANK WINDOW GLASS.
HOT-HOUSE GLASS A SPECIALTY.**

Holds Glass Firmly

See the Point **FULL SIZE No 2**

The Van Riper Perfect Glazing Points are the best. No rights or lefts. Box of 100 points 75 cents, postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

H. M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

Water Every Day in the Year for Flowers and Lawns when

RIDER or ERICSSON HOT AIR PUMPS

are used. Nearly 25,000 sold during the past twenty-five years.

Send to nearest office for Catalogue "A 3."

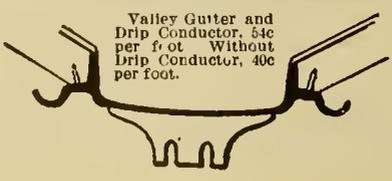
RIDER-ERICSSON ENGINE CO.

29 Cortlandt Street, New York. Teniente-Rey 71, Havana, Cuba. 56 Lake Street, Chicago.
239 Franklin Street, Boston. 40 N. 7th Street, Philadelphia.
692 Craig Street, Montreal, P. Q. 22 A. Pitt Street, Sidney, N. S. W.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J



Valley Gutter and Drip Conductor, 54c per foot Without Drip Conductor, 40c per foot.

Jennings Bros., GREENHOUSE DESIGNERS & BUILDERS.

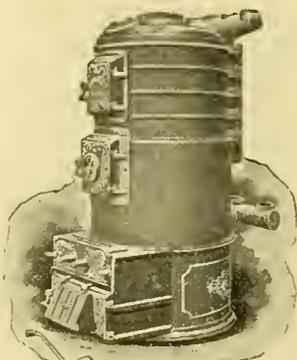
Mfrs. of and dealers in **Greenhouse Specialties.**

Patent Iron Bench Frame Fittings,
Improved Cast iron Gutters and Plates.

Send for Catalogue. **Jennings Bros.,** Olney, Philadelphia, Pa.

Index to Advertisers.

Advertising Rates.....	260
Allan J K.....	265
American Rose Co.....	264 11
Amling E C.....	2 3
Baller F C.....	268
Barnard W W & Co.....	1
Baur S Alfred.....	1
Barrow J G.....	262
Bassett & Washburn.....	263
Bayensdorfer H & Co.....	276
Bentley & Co.....	262
Berning H G.....	264
Beullien H.....	11
Bindekant Die.....	277
Bano A & Co.....	273
Blue Hill Nursery.....	272
Bjorkling & Atkins.....	274
Boston Letter Co.....	276
Brainard D W.....	272
Brinkerhoff Geo M.....	2 6
Brown Peter.....	265
Brown & Canfield.....	270
Bruns H N.....	11
Budwig J A.....	263 271
Bunyard H A.....	262
Burpee W Atlee & Co.....	11
Butz W T & F P.....	267
Byer Bros.....	2 4
Calwell the Woodsman Co.....	262 267
California Nursery Co.....	11
Carmody J D.....	279
Chadwick Chas.....	274
Chicago Carnation Co.....	270
Chicago House Wrecking Co.....	2 8
Cincinnati Cui Flo Co.....	264
Clark Wm A & Son.....	274
Cohen J M.....	264
Colea W W.....	274
Conard & Jones Co.....	272
Conley Felt Co.....	276
Coolidge Bros.....	278
Cottage Gardens.....	1
Crabb & Hunter.....	274
Craig Robt & Son.....	271
Cronch Mrs J W.....	274
Cunningham Jos H.....	273
Cunningham D O.....	279
Danley S T.....	274
Davis Bros.....	274
Deamond J B.....	62
Detroit Flor Pot Wks.....	278
Dexter Lillian Allen.....	284
Dietsch A & Co.....	28
Dillon J L.....	277
Dorner Fred & Sons Co.....	267
Dreer H A.....	263 2 9
Dunne & Co.....	276
Eastern Chemical Co.....	276
Elekhoff Henry.....	268
Ernest W H.....	278
Farquhar R & J & Co.....	2 9
Ferguson John B.....	264
Finley Lawn Stake Co.....	28
Florida Nat Prod Co.....	276
Ford Bros.....	265
Foster Lucius H.....	273
Gardener Chronicle.....	11
Gardening Co The.....	277
Garland Geo M.....	277
Geller Sigmund.....	276
Ghormley Wm.....	265
Gibbons H W.....	277
Giblin & Co.....	277
Goetz John B.....	275
Good & Heese Co.....	274
Gullatt & Sons W H.....	275
Gunter Wm H.....	265
Gurney Heater Co.....	274
Hagenburger Carl.....	274
Hall Assn.....	279
Hancock Geo & Son.....	267
Hartle Wm K.....	272
Harvey W P.....	2 9
Heacock Joseph.....	273
Helles J B.....	274
Heller & Co.....	11
Heuncke C Co.....	278
Hereddeen Mfg Co.....	11
Herr Albert M.....	266 275
Herrmann A.....	2 6
Herron Dora R.....	268
Hews A H & Co.....	278
Hvanger Bros.....	278
Hill E G & Co.....	1
Hippard E.....	279
Hitchings & Co.....	11
Holton & Hunkel Co.....	262
Hooker H M Co.....	279
Horan Edw C.....	268
Hornor Chas B & Son.....	268
Hort Adv.....	277
Hose Connection Co.....	11
Hunfeld C.....	270
Hunt E H.....	263
Invald Appliance Co.....	276
Jackson & Parkina Co.....	268
Jackson E B.....	274
Jacobs M & Sons.....	11
Jennings E B.....	266
Jennings Bros.....	2 9
Johnson & Stokes.....	266
Kastina W F.....	2 4
Keller Bros.....	2 8
Keller Geo & Son.....	2 8
Kellogg Geo M.....	264
Kerrcott Bros Co.....	267
Kift Robert.....	276
Kirschell Bros Co.....	11
Koehn C A.....	264
Kuhl Geo A.....	267
Lafer & Hurrell.....	272
Lakev W Rose Garden.....	271
Lang Julius.....	265
Lay John H.....	272
Limprecht S J.....	2 6
Localand Lum Co.....	276
Long D B.....	272
Lonedale Edwin.....	272 274
Lord & Burnham Co.....	11
Loven J G.....	262
Lucas J & Co.....	276
Lynch W E.....	264
McCarthy & Co N F.....	264 275
McFadden E C.....	269
McFar and John.....	274
McKellar & Winsor.....	263
MacBean A S.....	268
Mader Paul.....	275
Marqulee L E.....	267
Meyer John C & Co.....	276
Millang & Co.....	265
Miller Frank.....	265
Miller J W.....	274
Model Plant Stake Co.....	279
Moller's Gartner Zei lung.....	276
Moninger J C Co.....	278
Moon Samuel C.....	268
Moon Wm H.....	268 274
Moore, Hentz & Nassau.....	265
Morris Floral Co.....	275
Moss Geo M.....	264
Murphy Wm.....	271
Myers & Co.....	280
Nielsen Leo.....	264
Noenne & Hoepker.....	11
N Y Cnt Flower Ex.....	265
N Y Cnt Flower Co.....	265
Passmore Isaac.....	268
Peacock Saml.....	264
Peters & Arnold.....	267
Pierce O O.....	277
Pittsburg Cnt Flo Co.....	262
Pollworth C C Co.....	262
Prince A G & Co.....	262 272
Pritchard J N.....	262
Quinkert W Chas.....	277
Quinlan P R.....	271
Radtke A.....	263
Rauth Carl.....	267
Rawlings E L.....	267
Raynor J I.....	2 5
Reed Glass & Palm Co.....	278
Reed & Keller.....	276
Reger Printing House.....	276
Reinberg Geo.....	261 271
Reinberg Peter.....	263 271
Retzer Walter & Co.....	1
Rice M & Co.....	275
Rider-Ericsson Eng Co.....	279
Rodgers Alex.....	271
Roedler A.....	274
Rosler A & Son.....	11
Ropp John F.....	273
Sabrinsky W.....	267
Sanders & Co.....	272
Schafer Mrs A M.....	268
Schenck S C.....	11
Schultz Adam.....	11
Schmidt J C.....	266 11
Schu theis A.....	273
Scolay John A.....	277
Sheridan W F.....	265
Siebrecht & Son.....	1
Sitations & Wants.....	564
Schultz Dip Co.....	276
Smith Nath & son.....	272
Smith W L.....	275
Smurthwaite C A.....	11
Produce Co.....	11
S Stahl C.....	266
Stahl Flor Co.....	272
Stahl Chas B.....	2 4
Stearns Lumber Co.....	277
Stoohoff H A & Co.....	1
Storrs & Harrison Co.....	268
Studer N.....	275
Styer J J.....	11
Sturmer Geo A.....	264
Sutton E B Jr.....	2 8
Swann Pottery Mfg Co.....	278
Teeorburn J M & Co.....	276
Taendly & Schenck.....	276
Union St Greenh's Co.....	277
Vall Seed.....	276
Van Akers Bros.....	272
Van Wert Greenh's.....	278
Vaughan's Seed Store.....	266 267 1
Vick's Sons Jas.....	11
Vincent & Son.....	274
Vredenburg & Co.....	11
Wabash B R.....	11
Walker John.....	277
Watson G C.....	268 11
Weathered's Sons.....	11
Thos W.....	277
Weber H & Sons.....	267
Weber & Dolan.....	11
Welland & Blech.....	263
Welch Bros.....	264
Wettlin W A.....	267
Whilldin Pot Co.....	2 8
Wilfor Bros.....	263 270
Willin Chas.....	267
Wilson The Geo Co.....	1
Wood Bros.....	266
Woodroffe & Bernhelmer.....	264
Wood, Stubbs & Co.....	266
Wrege H.....	11
Young Jno.....	265
Young & Noyent.....	2 5
Young Thos Jr.....	265
Zirnglebel D.....	266



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse

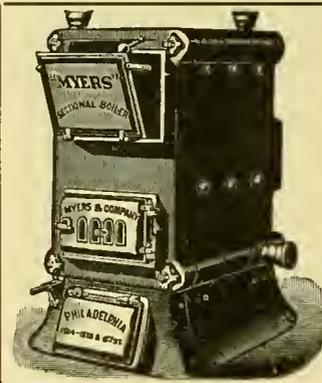
RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch, 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.

GREENHOUSE MATERIAL,
Cal. Red Cedar and Louisiana Cypress.
BEST GRADES, PERFECT WORKMANSHIP.
A. DIETSCH & CO. 615-621 Sheffield Ave. CHICAGO, ILL.

THOSE FALLEN LEAVES

CAN BE KEPT OFF THE LAWN WITH LITTLE EFFORT, IF YOU HAVE A

FINLEY ROTARY LAWN RAKE.



The Finley Rotary Lawn Rake in operation.

It picks them up and holds them until you are ready to deliver them to your burn heap or compost pile.

The wind can't blow them about after once raked. It does the work much better than the hand rake, and does it three times as fast. It takes up grass, either long or short, twigs and loose litter of any kind, stanes included, that a hand rake would not touch. It will save its

cost in 60 days on any good lawn. Price, \$12.00. It was given a Certificate of Merit by the Society of American Florists at the New York Convention, the judges reporting that they "Believe it to be far superior to anything else in the market."

Send for Illustrated Circular.

FINLEY LAWN RAKE CO., Joliet, Ill.

MORRIS, ILL.—A. Mitting now owns all except \$2,000 of the capital stock of the Morris Floral Co. He will hereafter have complete jurisdiction over all branches of its business and writes that in July the plant inventoried \$16,700.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we, are the first to touch Unknown Seas."

Vol. XVI. CHICAGO AND NEW YORK, SEPTEMBER 29, 1900. No. 643.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo August, 1901.
OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kastling, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 138 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Loosdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 32 PAGES WITH COVER.

CONTENTS.

Inventories for florists.....	281
The climatis and its fallings (illus.).....	282
Dahlias at Boston.....	282
Helpful reminders.....	283
Herbaceous plants for florists.....	283
A simple wreath (illus.).....	284
London.....	281
New York.....	285
Chicago.....	286
Boston.....	286
Philadelphia.....	287
St. Louis.....	287
Indianapolis.....	287
Washington.....	287
The Galveston tragedy.....	288
Coining exhibitions.....	288
Greenhouse building.....	288
Census statistics of floriculture.....	288
Rudbeckia Golden Glow.....	289
Louisville.....	289
Catalogues received.....	289
The seed trade.....	294
The nursery trade.....	296
Our pastimes.....	298
—At New York.....	298
—At St. Louis.....	298
—At Denver.....	298
—At Chicago.....	298
Cleveland.....	298
Kansas City.....	300
Denver.....	302
Buffalo.....	304
Flushing, N. Y.....	306

Inventories for Florists.

ED. AM. FLORIST.—In the issue of your journal for September 15 I notice an article on the business methods of florists. It seems to me that there is no way of estimating the value of stock in a greenhouse, that is, rose and carnation plants. At the end of each season one can figure out what each variety has brought in, if careful records are kept, but at the beginning of the season no one can tell what will be the result of the winter, as much depends on the weather, because of its bearing on quantity, quality and prices. Of course this does not apply to all branches of the florist business with the same force with which it attaches to cut flower growing. A grower of palms and ferns finds his stock salable at all times and he can inventory it any day at a market value; young stock with them, I understand, is supposed to treble in value in one year's time.

With regard to finding the cost of growing per foot of bench space, it seems to me that with the cut flower grower the whole year's expense can be lumped. While it is true that coal is burned only from September to April, both inclusive, a large amount of coal is hauled in August when none is burned. But hauling is an expense to be considered. It costs some Chicago growers 40 cents a ton for hauling coal and, in one case I know of, this item amounted to a little over \$600. Should this be charged to August or apportioned among the winter months? Furthermore, if we don't heat our rose and carnation houses in the winter we don't have roses and carnations in the summer.

Another item of expense in our line of business is procuring clay and soil, the bulk of which is hauled in May, June and July; to us this is an item running into the thousands of dollars. Then comes repairing, which is done in summer, and extra labor for wheeling soil and planting benches. Taking it all in all, the expenses of the summer months will more than even up for the coal burned in winter, so why not average up the cost and say that the expenses are so much a day? Then at the end of your business year look at your check book, see what your balance is in the bank, deduct five per cent of the cost of your houses for depreciation and what is left is a percentage on your investment, profit, or whatever else it may please you to call it. This is the way the matter appears to the writer.

N. J. W.

Being an "average florist" myself I do not feel qualified to answer an inquiry like that propounded by "W. R." in a recent issue, but being one of the guilty ones in making the accusation that some of us, not most of us, are lax in the matter of reckoning the cost of our product, I will speak my little piece from a carnation grower's point of view.

An inventory is the first point in question and is, in our business, rather a difficult feat and an error can easily be made on the too high or too low side, but the average florist can estimate his stock closely enough to make the error a small one.

The carnation grower can have no better time for taking an inventory than as soon as all of the houses are planted in the fall. My own idea as to the value to be placed on the stock is to inventory the carnation plants at their market value as field grown plants. Tools and machinery should be valued according to the wear and tear they may have had. The average life of the houses will range from fifteen to twenty years and allowing full value for the glass in the roof they should be inventoried each year at from one-fifteenth to one-twentieth less than their original cost of construction.

I allow full value for the glass as the roof is usually kept in good repair and the glass part of it is always worth pretty nearly its original cost. For piping, boilers and sheds a deduction will have to be made in proportion to the quality of material used at the start. In some cases as little as one-fortieth would cover the depreciation in value, while in others it would have to be as much as one-tenth. Some of the modern houses would naturally be supposed to outlast the ordinary structure at least two to one and should be inventoried accordingly.

In conjunction with a fairly accurate inventory a careful account of all expense must be kept, keeping personal expenses and business expenses entirely separate. Keep your account of returns as much in detail as possible, crediting up the money received from both flowers and cuttings from each variety. It is only by following up this method that you can even approximately tell which varieties are paying a profit and which are entailing a loss, as sometimes the difference is so slight as not to be noticeable excepting by accurate accounts.

Against this account of results must be charged coal, labor, wear and tear on the place, manures and all expenses for new plants, the total of this to be divided by

the number of varieties grown and charged up to each in proportion, presuming that about an equal number are grown of each variety. Where there is a difference in the quantities of the varieties this will have to be taken into account in apportioning the expense account of the variety.

I said before, and believe yet, in spite of the sitting on that I received, that an illustrated lecture on practical business methods given before the S. A. F. would be as valuable as anything else presented before the society. It could be followed up by blackboard illustration on similar lines to our friend Carmody's paper on greenhouse construction. It is not any of the systems of bookkeeping in vogue that we need. It is some distinctive system that will be practical to the average florist and I, for one, confess to an inability to devise any such system, but some of the brighter intellects surely could give us some practical system if they were asked to do it.

ALBERT M. HERR.

The Clematis and Its Failings.

I have read with interest the paper of Mr. A. G. Jackman, on the clematis, which was published September 15. The observations of this widely known grower are surely interesting to many, for who is there who does not admire this plant or who has not met with numerous failures with it? I do feel, however, that Mr. Jackman, in concluding that the dying off is mainly due to loss of constitution, has given us no more than a portion of his reasons for such a determination. I say this because I feel

the large-flowered hybrids have fewer roots and that they are almost entirely of the thick, fleshy kind, almost tubers. The finer rootlets are extremely few as compared with *C. Flammula* and its class. I think it is generally understood that all plants with an abundance of fibrous roots are better adapted for transplanting than those with few. I have often noticed clematises that were received from the nursery with the main shoot started an inch and, although the roots were firm and clean, there was not a single rootlet which would at once take hold of the earth; but the thick, fleshy roots contained sufficient nutriment to maintain the growth for some time.

In cool, moist weather, when the soil absorbs heat, rootlets are most readily formed and a proper growth may be started, the same as in starting hyacinths, lilies, etc., but if the weather is warm they stretch out like a piece of rubber and, as Mr. Jackman says, when the days are hot and dry, after obtaining a height they suddenly die off. Still, as he says, the root may not be entirely exhausted and, with demand cut off entirely from the top, a few rootlets may form and finally send up a shoot which, having root action to back it, will finally develop. I have no statistics to bear me out, but I am of the opinion that no greater percentage of the large-flowered type die after once becoming established than do of the *Flammula* class. The difficulty is chiefly in moving.

I have found that plants grown in pots move without so much injury to the fibrous roots and fare much better. Mr. Jackman speaks of not seeing the rampant, robust growth of years ago;

smaller, fibrous roots. The plant "B" is one of the large-flowered varieties and the picture shows that it has but few large roots and almost none of the small, fibrous kind so necessary to the successful moving of almost any plant; moreover, the heavy roots are very brittle and are easily broken if the plants are dug from open ground.

The larger illustration shows a plant of *C. Jackmanii* which has bloomed profusely in this way for twelve years. As soon as new roots are developed after moving the stem forms a woody center with a round external instead of the earlier, square form so easily broken, after which there is no more danger of failure than with the small-flowered class.

C. B. W.

Dahlias at Boston.

About four thousand blooms were staged at the recent show of the Massachusetts Horticultural Society, contributed by W. C. Winter, C. S. Pratt, Lothrop & Higgins, Mrs. J. B. Lawrence, Wm. H. Symonds, W. G. Winsor, J. H. Flint, Joseph S. Chase and H. F. Burt. A season of severe drought had its necessary effect upon the character of the blooms. While they were very fine considering the conditions to which they have been subjected, they failed to reach the uniformly high standard of excellence which is to be seen in more favorable seasons. The attendance of visitors was noticeably less than a year ago, undoubtedly due to the more extensive advertising last year. The prizes were awarded as follows:

For eighteen blooms, show, first, W. C. Winter; second, Lothrop & Higgins.

For eighteen blooms, fancy, first, H. F. Burt; second, Lothrop & Higgins.

For twelve blooms, cactus, first, H. F. Burt; second, H. F. Burt; third, W. G. Winsor.

For twelve blooms, decorative, first, W. G. Winsor; second, H. F. Burt; third, Lothrop & Higgins.

For six blooms, show, first, H. F. Burt; second, W. G. Winsor.

For six blooms, fancy, first, H. F. Burt; second, H. F. Burt.

For best individual bloom, introduction of 1898 or later, first, H. F. Burt.

For twelve vases pompons, three blooms each, first, W. C. Winter; second, Wm. H. Symonds; third, Lothrop & Higgins.

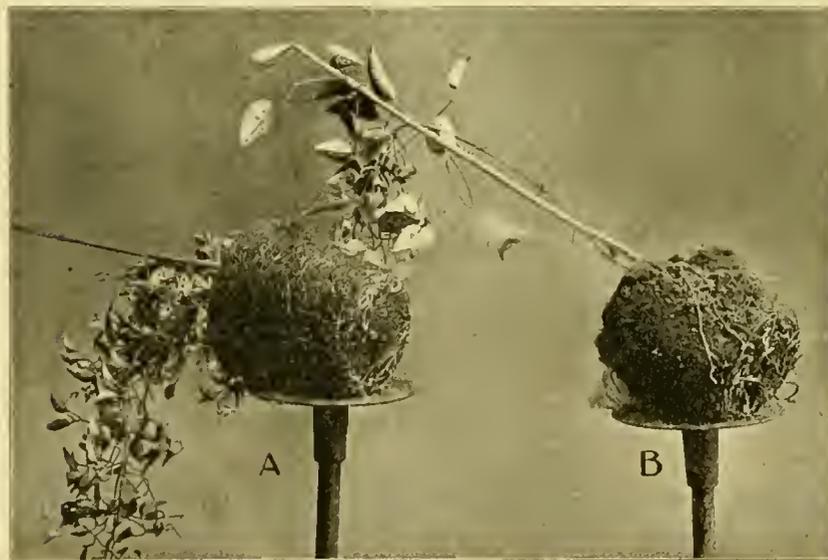
For twelve vases singles, three blooms each, first, W. C. Winter.

For general display, first, W. C. Winter; second, Lothrop & Higgins; third, C. S. Pratt; fourth, Mrs. J. B. Lawrence; fifth, Wm. H. Symonds.

In the prize stands the following varieties were staged:

Show—Geo. Rawlings, James Stephens, Purity, Prism, Harrison Weir, Mme. Moreau, Arabella, Isaac Pitman, Pluton, Mrs. Gladstone, Mercedes, John Bennett, Earl of Radnor, Perfection of Primroses, Miss Cannell, Wm. Wyeth, Mme. Zules, Wm. Fawcett, Mrs. Humphries, Robin Adair, Miss Miller, White Queen, Madge Wildfire, Modesty, Cecil, Geo. Smith, Golden Age, Dr. J. P. Kirkland, Alice Emily, John McPherson, The Reverend, Virginale, John Hickling, Yellow Boy, Maud Fellows, Mme. H. Furtado, Mr. Chamberlain, Dr. Keynes, Mantes la Ville.

Fancy—Frank Pearce, Lucy Fawcett, Sunset, Alderman, Dorothy, Dandy (orange), Duchess of Albauy, Grand Sultan, Mrs. Saunders, Rev. J. B. McCamm, Major Barttelot, Magician,



TWO CLEMATIS PLANTS OF SAME AGE AFTER ONE SEASON'S GROWTH IN POTS.

that there are two facts which he has not mentioned which should be taken into consideration before such a conclusion is reached. Mr. Jackman approached one of these facts when he said that *C. Vitalba* is not a suitable stock. I should be pleased to know how these facts, which I shall attempt to give briefly, dovetail with his theory.

His observation that dying off is confined to the large-flowering hybrids, and is not a fault of such as *C. Flammula*, I think calls for an examination of their differences. To begin with, we find that

this is a matter worth careful research. In Wisconsin I am sure they do as well as ever, although that is not well enough to be entirely satisfactory. Of all the clematises sold years ago, most of them went into the hands of those who procured them for their own use; they surely were not weakened by over propagation, and yet, where are they to-day?

The first of the accompanying illustrations shows two clematis plants of the same age, grown one season in pots. The plant "A" is *C. paniculata*; it has a great many large roots and a perfect mat of



CLEMATIS JACKMANNI.

Florence Stark, Peacock, Dazzler, S. Mortimer, Heather Bell, Buffalo Bill, Mrs. Morrill, Dandy (dark), Prince Henry, John Forbes, Miss Browning, Lottie Eckford, Frank, Rev. C. W. Bolton, Keystone, Prof. Fawcett, Frank Smith, Comedian, Eric Fisher, Salamander, Gen. Grant, Gaiety.

Cactus—Cinderella, Alfred Vasey, Standard Bearer, Laverstock Beauty, Britannia, Col. Wilson, Mary Service, Earl of Pembroke, Capstan, Beatrice, Mrs. Peart, Mrs. Chas. Turner, Night, Keynes' White, Kingfisher, Mrs. Arnold, Miss Jane Basham, Miss Webster, Island Queen, Princess Christian, Stella Strahlenkrone, Cannell's Gem, Miss Annie Jones, Mr. Moore, Mrs. Scrase Dickens, The Bishop, Bridesmaid, James Hudson.

Decorative—Nymphaea, Panthea, C. W. Bruton, Blush Queen, Henry Patrick, Orange Scarlet, Zulu, Dolly, Gorgeous, Prince of Orange, Claribel, Wm. Agnew, Mrs. Keith, Oban, Countess of Pembroke, Salisbury White, Amphion, Perle de la Tete d'Or, Lady Primrose, Maid of Kent, Raym d'Or, Marchioness of Bute, Beckett Goldney, Beauty of Wilts, Juno, Lyndhurst, Reisencaetus.

Pompon—Volcano, Hedwig Pollwitz, Little Beauty, Garnet King, Jessie McMillan, Eli Millard, Catherine Whisper, Little Gyp, Snowclad, Brunette, Little Herman, Butterfly, Young America, Little Ned, Density, Clara Hirsch, Grey Eagle, Lady Blanche, Capt. Boynton, Hilda Seale, Virginale, Beatrice, Silet Imperial, Mattie Mooney, Mars, Alwine, Iolanthe, Rosalie, Golden Gem, Parity.

Single—Niobe, Conspicua, Eclipse, President McKinley, Maud, Kate, Victor, Ami Barillet, Picturata, Depute Dr. Thiers.

The cactus variety, Col. Wilson, received the prize for best bloom of late introduction.

H. F. BURT.

Helpful Reminders.

Forget-me-nots and mignonette should be benched in a cool house, not far from the light and in good soil. They should be almost ready to set buds. The long wait from seed to this stage should be over before firing begins, so that the income will begin almost as soon as firing does. Always contrive to have the sun do as much preparatory work for you as possible.

All your bulbs for winter or spring bloom should be in the ground now, either pots, boxes or open ground, covered from sun. Water and keep from drying but they should never be soaked if you can help it. Whether you bring them into bloom at one time or various times, get them all into the ground, pushing out root as early as possible.

The cutting bench should be thoroughly cleaned and filled with fresh, clean sand. Old sand is sure to contain more or less decayed matter which breeds the numerous diseases that prey upon unprotected stems before the fresh cuts have time to heal.

If you are growing the Boston fern, bear in mind that it is the pot full of shoots that strikes the fancy of a customer rather than fewer plants with very long fronds. Favor the growth on the outer edge by tying up the long fronds for awhile.

Stevia should be under cover now, with eight to twelve branches, strong and stocky. If set on benches, have them covered with something that will

retain moisture. Do not crowd them; they should bloom down low on strong, stiff stems.

Your azaleas that have been kept over and which have set buds are the ones to bring in for Christmas or early bloom; those which are fresh imported keep cooler and hold for Easter.

There may be something of a scarcity of Begonia Rex, as some large growers have been obliged to discontinue raising them on account of a disease.

If you have tuberose growing outside, any that have set buds may be moved on to a bench in a warm house and flowered.

C. B. W.

Herbaceous Plants for Florists.

[Read by Thomas Manton, of Eglinton, before the Montreal convention of the Canadian Horticultural Association.]

The increasing demand year by year, for hardy plants from all parts of our country, makes it necessary for the general florist who is at all up-to-date to have a stock of the most popular varieties on hand. Nearly all the herbaceous plants offered the flower-loving public by the trade are really good subjects and when the planter has once been induced to try a few good hardy species he soon becomes a regular customer, ready to pay a good price for choice stock, and there is no doubt in my mind that there is many a dollar for the florist, who has the ground to spare, in a well selected collection of hardy plants.

Practical gardeners from the old countries all know something about this class of plants, but as there are hardly any really good collections in this

country, outside of the experimental stations, it is a difficult matter for many of the younger members of the profession to learn anything about them, so when asked by the committee to prepare this paper I felt that I might say something about some of the most popular varieties, thereby creating an interest in the subject among our members, and in the criticisms of the members present, learning more on a subject which I really know little about, for, although my firm has a fair collection, when I take up a really first-class list of hardy plants there are so many varieties named that I know nothing about, that I feel I have only touched the fringe of the subject.

In most of our towns this class of plants has been much neglected, and there is a splendid chance for the local florist to "pick up the needful," to take him to future conventions from a few hardy plants. I will name a few that we have found to be money makers, either as plants or cut flowers or both, and I will only mention varieties that we have found to be generally hardy in Ontario, and I will ask you to remember that the warmer parts of Ontario are about the hardest places in our country for herbaceous plants to live through the winter.

I will take the varieties alphabetically and start with *Achillea Ptarmica* and its varieties. The best variety is The Pearl. It will grow almost anywhere and if kept cut will flower all summer. *Alyssum saxatile compactum* is a good yellow spring flowering plant. *Anemone Japonica* and its varieties are very useful. They need a little protection from early frost in the fall and if given that will well repay for the trouble with their beautiful flowers. *Aquilegias* are all fine summer blooming plants, but the most useful I have found to be *A. vulgaris alba plena* and the light colored hybrids of *A. cœrulea*. *Armeria*, red and white thrift, are very pretty and useful plants for the fronts of borders and when in bloom generally sell well.

The green and white foliaged varieties of *artemesia* known as "old man" and "old woman" generally sell well and are very easy to handle. *Asclepias tuberosa*, a native plant, is a handsome variety, the flowers of which are very useful about July 12, when it is in full bloom. In campanulas there are so many beautiful and distinct varieties, any of which will give satisfaction to the growers, that even a small collection of hardy plants should have several varieties in it. *Centaurea montana* and its varieties are beautiful flowers and by no means well known here at present. *Clematis Davidiana* flowers very freely in the early summer and generally sells well as a cut flower. *Delphiniums* in variety make splendid, showy plants and always sell well. In dianthus the pinks and sweet williams are easily raised from seed and sell well, for they are well known. *Dielytra spectabilis* is another well-known plant that sells very well and is easily grown. The roots should be divided in August into small pieces and planted and then you will have nice plants ready for spring sales. Plants divided up in spring do not look nearly so salable.

Several varieties of *doronicum* make fine spring flowering plants. *Eryngium Oliverianum* is a curious and attractive plant, as also are several varieties of *funkias*, particularly the variegated ones; they are so striking that they sell at sight. *Gaillardia grandiflora* and its varieties are about the most profitable plants you can grow if you have demand for bright, cheap flowers. They start to

bloom early in the summer and if kept cut continue right along until the hard frost. It requires rich dry soil to winter well. *Gypsophila paniculata* should be in every collection. *Heleniums*, *heliopsis* and *helianthus* in their many varieties are splendid subjects for cutting and for large decorations can be used very effectively. Several varieties of *hemerocallis* sell well as plants but are useless as cut flowers.

Lathyrus latifolius and its varieties are very useful, but plants for sale should be grown in pots as they do not move very well. *Monarda didyma* is a native plant that is handsome and easily grown. *Pæonies* in varieties are handsome and useful plants and will repay for good cultivation. *Papaver nudicaule* is a profitable plant in rich dry soils, but in wet or heavy soil it will not live over the winter. The varieties of *Pyrethrum roseum* are both beautiful and profitable and are easily grown. They prefer a deep, rich and moist border with plenty of sun.

Polygonum cuspidatum is a very effective plant for lawns or places where its roots can be confined in a given place. *Rudbeckia Newmanii* and *R. Golden Glow* are all right but their flowers should be cut with long stems and placed in deep water at least twenty-four hours before using for decorations. *Scabiosa Caucasica* is a very pretty hardy blue form and, though not generally known, is a good grower. All the varieties of *spiræa* we use for forcing are fine hardy plants and plants left over in the spring should be planted out. *Thalictrum aquilegifolium* is a very useful plant for its foliage.

With this somewhat short list I will leave the subject, feeling that it is impossible for me to do it justice, but hoping to have aroused some interest among our members about herbaceous plants.

A Simple Wreath.

We illustrate herewith a very simple yet attractive floral design, a wreath upon an easel. The particular feature of this piece is the remarkably pleasing effect gained with the use of a very few cut flowers. There are a few choice *nymphaea* blooms at the base, the stems resting in bottles of water concealed at the bottom. Above are two perfect blooms of the cape jasmine; these are all the flowers used. Aside from the *cycas* leaves there are the fronds of *cybotium*, *aspidistras*, *Asparagus tenuissimus*, two varieties of bamboo, the foliage of fancy *dracenas* and some bits of other material.

C. B. W.

London.

SEPTEMBER MEETING OF THE ROYAL HORTICULTURAL SOCIETY BRINGS OUT SOME SPLENDID EXHIBITS.—AUTUMN FLOWERS MUCH IN EVIDENCE.—AWARDS OF MERIT GIVEN.—CHRYSANTHEMUM SEASON ON.—BEGONIA PRICES LOWER.

Upon the occasion of the Royal Horticultural Society's meeting, September 10, the exhibition hall was filled to overflowing. Orchids were not quite so numerous as usual. The most conspicuous exhibit was that of Burrell & Co., which consisted of *gladioli* and cactus dahlias. The *gladioli* were acknowledged to be as grand a lot as has ever been staged. The dahlias, though not so numerous, were remarkably fine, chiefly new varieties. Eight varieties were adjudged worthy of an award of merit and two of the *gladioli* gained the same distinction.

They were: *Althea*, rosy salmon flaked with crimson and white; *Delicata*, soft flesh color with a creamy mark through the center of the petals. The dahlias were: *Artus*, bronze; *Rosieue*, rosy purple with a light shading on under side of petals; *Imperator*, crimson; *Lyric*, scarlet, with a yellow base to petals; *J. W. Wilkinson*, cerise crimson; *Vesta*, flesh pink; *Galliard*, crimson scarlet; *Dinorah*, amber. The society's gold medal was awarded for this exhibit.

There were several other good exhibits of dahlias. Cheal & Son's single cactus varieties showed a great improvement in form and color. Cannell & Sons made a grand exhibit of *cannas* and *cockscombs*, the latter remarkably well grown and showing a great variety of color, from greenish white and yellow to deep crimson.

We have rarely seen roses shown so well at this season. Messrs. Turner made a fine display, each variety being shown in a large flat bunch, about eighteen blooms of the larger flowering sorts and more of smaller. The bunches were well backed up with buds and foliage. Wm. Paul & Son made a fine display of varieties of their own raising or introduction. *Corallina* was most conspicuous. Piper & Sons had a fine stand of their *Sunrise*, which is evidently destined to become a leading variety.

G. Paul & Son exhibited a fine variety of *Salvia splendens*, named *Rukm von Stuttgart*, the color being a vivid scarlet with a considerable orangeshade. A. Perry made a fine display of hardy flowers. Barr & Sons also had a large exhibit of hardy bulbous and herbaceous flowers.

H. J. Jones contributed a group of winter flowering *begonias* and *heliotropiums*. Among the *begonias* *Gloire de Lorraine*, *Moonlight* and the new double varieties of *B. semperflorens* were conspicuous. Harrison & Son had a collection of about fifty sorts of sweet peas which were very good for this season of the year. Messrs. Brown also showed a good collection. T. S. Ware had a large collection of cut flowers, herbaceous *phloxes* being very prominent and including a good selection of distinct varieties.

In addition to the dahlias referred to above the following received awards of merit: *Eclipse*, pale yellow with a green shade, very regular fluted petals; *Jealousy*, a deeper shade of yellow and broader petals, both cactus varieties from J. Strudwick. C. Turner had awards for three pompon varieties, *Sybil*, yellow with red margin on petals; *Galatea*, maroon, and *Zerlina*, deep crimson, with an almost black shade. The only other awards were to W. Paul & Son for *Anemone Japonica* *Mont Rose*, large semi-double flesh pink, a very distinct variety, and to H. J. Jones for *Heliotrope Docteur Juelin*, blue with a mauve shade, large compact trusses and good foliage.

The chrysanthemum season has commenced and both pot plants and cut blooms seem to be plentiful. Of plants there is some very clean, healthy stock on the market. *Lady Fitzwygram* is undoubtedly the leading early white but *Queen of Earlies* is also valuable. *Mme. Desgranges* and *Mrs. Hawkins* still find much favor. The crimson variety of *Mme. Marie Masse* is a good early but the color varies; it has been more of a bronze than crimson with us this season.

Begonia Gloire de Lorraine is now well in bloom and appears to be very plentiful, prices being one-third lower than last season. With regard to root



A SIMPLE WREATH UPON AN EASEL.

versus stem cuttings, I find very little difference, either in time of flowering or habit of plants. It is only those labeled that we can identify with certainty, but stem cuttings are always selected from the new shoots which do not show flower.

H.

New York.

CHANGES IN TEMPERATURE BRING MARKED VARIATIONS IN SUPPLY.—CATTLEYS ARE THE PRIDE OF THE STOCK.—JOTTINGS OF VARIOUS IMPORT HERE AND THERE AMONG THE TRADE.—DOINGS PERSONAL AND OTHERWISE.

It is remarkable the improvement shown in the quality of roses as received at the markets in this city after a couple of cool days. Last week we had a brief period of low temperature and the response was evident at once in Brides and Bridesmaids of double size and much better substance. A return to warmer weather was marked by an immediate reversion of quality and declining values. Among the choicest contents of the Broadway windows at present are

cattleyas of superb quality. There is a radiant splendor about these flowers that stamps them unmistakably as the patricians of the floral world. Roses suffer in their company by comparison, but *Dendrobium Phalaenopsis* harmonizes beautifully and adiantums of any sort add grace to the arrangement.

Each year sees a recurrence of the rivalry between violet growers ambitious for the somewhat barren honor of having sent in the first blooms, but New York is no place for the first blooms until some ingenious grower discovers a method of producing them early in acceptable shape. And the public are in no hurry for them, either.

"Love me, love my carnation." He is a rare carnation grower who can judge unprejudiced his own creations and rarer still is the one who can listen cheerfully to anything but unstinted praise, especially if he has but one or two seedlings to pet. You find one or two such pets in about every carnation place but how few there are that emerge into fame.

Asparagus plumosus, put up in bunches

of short pieces, has come to be about as indispensable in the florists, every day stock as smilax or adiantums. Every box of cut flowers of any pretensions now contains a few pieces and it is used freely in all kinds of made up work. It will pay growers to go into it much more generally for such uses and high houses are not essential.

Dummett, of Mt. Vernon, has just had one of his employes sent to Sing Sing for forging checks and one of Dressel's men has been given six months for stealing plants. In Brooklyn a party who leased a floral establishment sold all the top soil and then skipped, leaving rent unpaid. Eternal vigilance is a good attribute to cultivate nowadays.

Much complaint is heard regarding the difficulty in collecting money this fall. One retailer in a central location asserts that from a large batch of accounts sent out on September 1, the entire harvest in a period of twenty days was a check for \$2. The prevalent long-credit system is the most mischievous feature of the flower trade as conducted to-day.

The quantity of Boston ferns and ficuses seen in every plant growing establishment is simply amazing. That the public is given a good opportunity to possess these well-established favorites is evidenced by the quantities displayed by florists of every class, and the full prices paid for them at auction show that the market is still able to move the output, enormous as it is.

The price of coal is a burning question these days. One large grower who bought his supply when prices were at the lowest is seriously considering whether he cannot make more on it by selling it than by burning it. The laugh is on a certain man who replenished his fuel bin with a load of fire-proofed wood which he carried home from a building undergoing repairs.

Last Saturday and Sunday were counted upon to furnish a spurt in the local cut flower market, it being the time of the Jewish New Year's celebration, but it made very little impression. Tuberoses seemed to move more freely but at an average price of from \$1 to \$1.50 per hundred spikes, less commission and express, the grower will not get rich.

In Brooklyn there have been a number of changes lately. The Exotic Floral Company has sold out to Mrs. Hall and Mr. Frazer has gone to take a private place at Morristown, N. J. D. C. Van Valkenburg has also sold out his place on Sixth street.

Mr. Scollay says that business is excellent with him this fall. Invincible heaters have been installed for John Coombs and A. Whiting, both of Hartford, Conn., and Ulrich Bros., East New York have put in two of the same type.

Ehmann & Bock is the title of a new firm that has opened a retail store at 2112 Broadway, between Seventy-third and Seventy-fourth streets.

Ford Bros., on West Thirtieth street, are receiving fine Harrisii lilies every day from a Flatbush grower.

Visiting New York: W. C. Barry, Rochester, N. Y.

BROCKTON, MASS.—The Brockton Gardeners' and Florists' Club will hold no exhibition this fall because of the lack of financial success a year ago.

SPRINGFIELD, MASS.—Charles R. Miller has been missing for several days and one of his creditors has attached his store fixtures and stripped the place.

Chicago.

STATE OF THE MARKET.—TROUBLE IN FILLING SHIPPING ORDERS.—GRADE OF ROSES NOW IMPROVING.—SOME VERY GOOD CARNATIONS.—FLORISTS' CLUB OUTLINES WINTER PROGRAMME.—WITTBOLDS ARE FIXED.—KENNICOTTS PREDICT BIG BUSINESS THIS WINTER.—MUSHROOMS SEPARATED FROM ROSES.—VARI- OUS ITEMS OF INTEREST.

The last couple of weeks have been decidedly unpleasant for the commission men in this market. Conditions have been very peculiar and, as usual, the commission dealer has been ground between the millstones, the grower on one hand and the buyer, especially out-of-town customers, on the other. Shipping trade has been steadily increasing and would have been very satisfactory had it not been for the difficulty of finding satisfactory material to meet the demand. In view of this fact the growers have expected to get something for their roses, but there is where they have met disappointment. There have been pot after pot of Brides and Bridesmaids which sold for a song, and were well sold at that. If an average grower sent in a thousand flowers the commission man would be lucky if he could sort out a hundred of them that would bring from \$3 to \$5 and the rest went to the Greeks for next to nothing. A feature of the demand was that the call was for good stock or nothing, and out of very heavy receipts little was salable to the storemen at any price. Fortunately the qualities are now showing marked improvement and averages will undoubtedly keep pace. Beauties are good with all the growers, are in heavy supply and selling pretty well. Meteor and Liberty are scarce. Carnations are decidedly better than they were and the deterioration of the asters and other outdoor stock leaves them a good market at from 75 cents to \$1.50; some of the best have been selling at \$2. City trade is still quiet but it is beginning to show signs of returning life. The call for chrysanthemums is beyond the ordinary at this season. The early flowers are not yet numerous nor are they particularly attractive except as a novelty for a store window, but a few days will see a great improvement in quality and a rapid increase in supply.

At the last Florists' Club meeting the principal work was in connection with outlining a programme of papers and discussions for the winter meeting. As a result of the deliberations, we have the following order of exercises:

October 5.—J. S. Wilson will speak on how to grow the Boston fern successfully. Andrew McAdams on the best ferns for pans and baskets. Anton Then and August Jurgens on the best tulips and hyacinths for forcing and pot culture.

October 19.—Election of officers. Ernest Weber on the culture of violets.

November 2.—Messrs. Wittbold on the best methods of growing *Ficus elastica*. E. E. Pieser on the best way to send cut flowers to market.

November 16.—W. N. Rudd and J. S. Wilson on chrysanthemums. W. N. Rudd on soils, fertilizers and feeding.

December 7.—George Collins, Luke Collins and Paul Kopauka on forcing roses.

December 21.—Walter Kreitling on the trials and tribulations of the legitimate retail florist.

January 4, 1901.—John Rardon on the succession of plants to keep greenhouse benches full.

January 18.—James Hartshorne on carnations.

February 1.—W. N. Rudd on iron construction vs. wood. George M. Garland on the advantages of the iron gutter.

February 15.—Emil Buettner on mignonette. Edwin A. Kanst on geraniums.

March 1.—August Dressel on the florists' business of to-day as compared with twenty years ago.

March 15.—H. N. Bruns and August Jurgens on lily of the valley.

April 5.—D. F. Hawkes and G. Swenson on hardy herbaceous flowers for wholesale market.

C. J. Stromback on hardy herbaceous plants for bedding.

April 11.—Flint Kennicott, Charles Klehm and Wm. A. Peterson on the paeony, its uses and varieties.

The club will meet at the Sherman House club room at 11 o'clock to-day to take action toward assisting the florists of Galveston.

The George Wittbold Company never had its place in so good shape as at present. The summer's task of renovating, remodeling and extending has put the establishment in the best of order without impairing the business of working up stock and there was never so much fine, salable material on hand as at present. The boys are fixed for big business this fall and say that demand is excellent. They have been selling a great many small lots of their new fern, *Nephrolepis Wittboldii* and say that pretty nearly all the good growers are planting a dozen or two of it.

J. B. Deamud and Mrs. Deamud celebrated the tenth anniversary of their wedding at Fraternity Hall, 225 Sixty-fourth street, September 22. More than a hundred friends participated in the enjoyable event. The hall was profusely decorated with southern smilax and of the jewelry characteristic of the occasion the happy couple received sufficient to last them a lifetime.

At Kennicott Bros. Co.'s they are making preparations to do a very big business this season. Mr. Pieser says that the last year was far and away the biggest on record with them but that he expects it to be thrown entirely in the shade by the business which will only be slightly interrupted while we settle our pending political argument.

At Klehms' Nurseries they have put up a new mushroom house 20x100 and have abandoned the practice of growing this esculent under the benches in the greenhouses, having been told by some widely experienced men that they could never get good roses and good mushrooms in the same house.

The flower beds at stations along the Northwestern railroad are to give place to shrubby plantations. The railroad's greenhouses at Waukegan will be used for raising cut flowers, principally carnations, for the dining car tables.

Walter Retzer & Company have 70,000 bulbs on hand for winter and early spring forcing. While they have a considerable number of *Harrisii*, they are going in strong on tulips and hyacinths.

Bassett & Washburn are telling their customers that because of the large amount of new glass put up this summer, they expect prices of carnations to be very moderate in this market this season.

McKellar & Winterson have added a line of Wotherspoon's watering pots and fumigators to their list of supplies. This firm is also showing the first leucothea sprays of the season.

It is announced that Alfred B. Everett has retired from the partnership of Walter Retzer & Co., Mr. Retzer continuing the business without change in the firm name.

Walter Kreitling suggests that all the local florists combine in the management of a grand booth at the forthcoming flower show in aid of the Galveston sufferers.

Adolph H. Poehlmann, of Morton Grove, will open a wholesale store at 53-55 Wabash avenue in about three weeks, with Chas. S. Stewart as manager.

Arthur Bather and Miss Jessie Bather, of Clinton, Ia., passed through the city this week, returning from the convention.

Jersey Bock, formerly of this city, is now in business, under the firm name of Ehmann & Bock, at 2112 Broadway, New York.

Reports of a scarcity of ferns in Massachusetts have reached this market and the jobbers have put the price up a notch or two.

W. E. Lynch is receiving some fine single violets which sell on sight. Chas. Ernie will enter his employ October 1.

Visitors: Messrs. Currie, Milwaukee; John Bertermann, Indianapolis; W. L. Morris, Des Moines; Miss Mame Lewis, with F. C. Smith, Ashland, Wis.; J. T. Anthony, Geneva, Ill.

Boston.

HEAVY RECEIPTS OF ROSES—MORE THAN CAN BE MOVED AT QUOTED PRICES.—MEDAL FOR *CYPRIPEDIUM*.—PERSONAL DOINGS AND OTHER MATTERS OF INTEREST.

There is a little tidal wave of roses coming into this town at present and it is not easy to realize steady figures on them. The street men carry away great burdens of them from the wholesalers' every night or the market every morning and the prices paid by these gentlemen are, as always, unquotable. Only American Beauties of top grade are scarce enough to hold stiff values and they appear to be still shortening up in quantity. Carnations move more freely than has been the case for some weeks, asters being on the wane and carnations, themselves, being greatly reduced in cut. We see no violets here as yet.

Jackson Dawson has returned from his first visit to Mt. Desert much pleased with what he saw there. Among the trophies of his trip are a lot of nice red spruces, *Picea rubens*, which are very abundant in that section although but little known in this state, being generally confounded with the black spruce, *Picea nigra*, which is not nearly so valuable or ornamental as the red spruce.

At Horticultural Hall on Saturday, September 22, Oakes Ames, R. M. Grey, gardener, showed a rich group of orchids, one of which was *Cypripedium Oakes Ames*, a Sander cross between *C. ciliolare* and *C. Rothschildianum*. It is the finest of the *Rothschildianum* type and received a silver medal. *Epidendrum Godseffianum* and E. Stella Rodriguezii were each rewarded with a certificate of merit. C. L. Pratt brought a large collection of dahlias.

The Waban Rose Conservatories, with E. M. Wood, president, and F. O. Baston, treasurer, have been incorporated with a capital of \$250,000.

Fred. and Walter Dawson have just returned from their European trip much benefited and with a splendid collection of photographic views.

George A. Sutherland has secured a commodious floor at 14 Bosworth street for the accommodation of his florists' supply department.

Sidney Hoffman, formerly of New York, has become associated with Marshall & Co., at the Thorndike flower store on Boylston street.

The annual fruit and vegetable show was held at Horticultural Hall on September 27 and 28 and was of the usual high excellence.

The annual election of officers for the Massachusetts Horticultural Society will take place on Saturday, October 6, at 11 a. m.

McCarthy's plant auctions are prospering. Carnations, palms and Boston ferns are specialties this week.

David Lumston, formerly with Galvin, has leased the McDermott greenhouses at Jamaica Plain.

Visitors: M. Reukauf, S. S. Skidelsky, Philadelphia; C. F. Gibbs, St. Johnsbury, Vt.; A. Dimmock, London, Eng.; Geo. S. Hatcher, Amsterdam, N. Y.

Philadelphia.

STATE OF THE CUT FLOWER MARKET.—DEMAND BEGINS TO IMPROVE—A DIFFERENCE IN WHOLESALE METHODS.—QUAKER CITY BEHIND THE HUB.—PENNOCK SEES BRIGHT PROSPECTS.—ITEMS OF VARYING IMPORT.

Hot weather is with us once again, the last heat wave, we hope, of the season. Business is picking up but shows but little improvement over last season at this time. Flowers are plentiful. Good Beauties are most in demand, as customers prefer them to the smaller teas while they remain at their present prices. They bring 75 cents to \$1.25 per dozen for the good, average stock, with \$1.50 to \$2 for the extras. Teas are \$3 to \$4 per hundred, carnations 50 cents to \$1 per hundred. Peacock, of Atco, is sending in some nice dahlias which differ in price according to variety and excellence from \$1 to \$5 per hundred. He says he has large shipping orders and finds the outlook for his specialty very encouraging. The local demand for plants is just enough to be perceptible, that is all. The growers are busy, however, shipping to out of town points and say they were never busier at this season of the year.

The Boston Market Association had a sale for the choice of stalls the other day that netted them almost enough to pay their rent. Think of it! Will Philadelphia ever come to this? Just imagine any one of our growers paying \$50, \$100 or \$200 just for the privilege of selecting a spot on which to stack his boxes and open them up for inspection. Not that they are not liberal enough; their hearts are so big and they are so obliging that they would not think of asking the dear storekeepers and fakirs to come to them; they say, stay where you are, gentlemen, and we will get to you some time during the morning. Poor, sleepy Philadelphia! Let us snore again.

S. S. Pennock has returned from his vacation much benefited. He says his growers' stocks look well nearly everywhere. He will handle the best grade of flowers he has ever had the coming season and thinks the general cut flower business will be a record breaker. He has added a new department, having laid in a large stock of fancy and staple ribbons, which is under the charge of an expert. From all appearances it will be a little business of itself.

The sale of the Stoke Pogis nursery stock, which takes place next week, is attracting considerable attention. This is the first sale of the kind, that I remember, to be under the charge of an imported auctioneer, but Mr. Cleary has become so famous that his was the only name mentioned from the first and we are confident that the company did the right thing in securing his services.

W. J. Moore, of 30 South Sixteenth street, has changed his ice box around and otherwise altered his place. He has been in business just a year on October 1 and is very well pleased with his venture. He says business this fall exceeds his expectations and he predicts a great season the coming winter.

Robert Kift will deliver his illustrated lecture on floral decoration before the Florists' Club on Tuesday evening, October 2. The lecture room of the Pennsylvania Horticultural Society will be used on this occasion, to which the general public is also invited.

George McLean, whose bright smile so illuminates the George Craig establishment at Eleventh and Walnut streets, is going on a visit to John Walker, of Youngstown, in a few days. George says he wants to try the western air and if he likes it, why— K.

St. Louis.

THE STATE OF TRADE.—CHRYSANTHEMUM TROUBLES.—SEEN HERE AND THERE AMONG THE GROWERS.—MUCH GOOD STOCK IN SIGHT.—PERSONAL AND OTHERWISE.

Nothing of unusual interest as regards trade conditions can be reported this week. The wholesalers report only a slight increase in business, but many retailers say they are rushed. There will be the regular call for some high-priced flowers Tuesday for the Veiled Prophet's ball that evening. C. Young & Sons report business with them about twenty per cent better than last year at this season.

Chas. Beyer is potting up his field grown chrysanthemums, which are very nice, large, clean plants. His single-stemmed plants on the benches are of a second planting and, like the first planting, are infested with a worm or maggot that gets under the epidermis and devours the inner portion of the leaf, making them turn black. His only remedy is to cut off the leaves, but as this almost destroys the plants he is going to tear them all out. Michel reports the same trouble, although it is not so prevalent as at Beyer's.

F. J. Fillmore's roses are fine, especially the Perles, with which Mr. Fillmore expects to beat the "Perle King of Edwardsville" at the November show. His Liberty roses are good and the carnations extra. Flora Hill is simply grand except that they are somewhat short of stem.

F. J. Foster has leased the store now occupied by Wright's cigar company at the southeast corner of Eighth and Olive streets, which he expects to occupy November 1, after having some alterations made.

The Engelmann Botanical Club met September 19 and discussed the botanical experiences of the past summer and prepared plans for the fall work. About twenty-five members were present.

Emil Schray says trade is picking up. His stock looks very well. Carnations are getting along all right, but the ground has been too dry and hard to allow lifting those in the field.

R. J. Mohr, of the Botanical Garden, made the rounds of several establishments last week in company with Walter Retzer, of Chicago, who has been in town several days.

Mrs. Vesey, of Fort Wayne, Ind., has been spending several days with Mrs. Meinhardt in this city.

Arthur Ellison has been visiting at Springfield, Ill. F. W. MAAS.

MILWAUKEE, WIS.—Heitman & Bierman are installing a Furman brick set steam boiler. Riemer & Radmer are doing the work. This firm also has the contract for the heating apparatus for H. G. Selridge's range of private glass at Lake Geneva.

Indianapolis.

PREMIUM WINNERS IN FLORAL DEPARTMENT AT THE STATE FAIR.—PERSONAL AND TRADE DOINGS.

The floral exhibit at the Indiana State Fair was larger than that of last year, but there was plenty of room and premium money for more exhibits. Mr. Beach, of Richmond, who was judge, awarded prizes as follows: A. Wiegand & Son, first on palms, on ferns and lycopodiums, crotons, variety of show plants, geraniums in bloom and two vases of cut flowers; Baur & Smith, first on blooming begonias and foliage begonias and second on display and arrangements of show plants; John Riemann, first on floral arrangements, baskets, bouquets and wedding arrangement, and second on original show arrangement; W. W. Coles, first on cut roses, collection of cut flowers, dahlias and gladioli; Wm. Billingsley took first for original show arrangement.

The Indianapolis Flower and Plant Company has finished repairs after its fire. A most convenient shed, packing room and office, as well as a flower cellar and an excellent heating apparatus are the improvements made in connection with the work. Their stock, especially roses and carnations, is in excellent condition.

A. Pahud has returned from his trip to France and is full of enthusiasm for his native country. H. J.

Washington.

VARIOUS NOTES OF INTEREST OF DOINGS HERE AND THERE AMONG THE TRADE.

Z. D. Blackstone has leased Wm. H. King's place at Pathfinder, D. C., where he will grow roses, carnations and plants for his store. He has taken the vacant store adjoining his corner, Fourteenth and H streets, and made extensive improvements. The show window will be illuminated by over 100 electric lights.

A. Gude & Brother's new range of rose houses are making a good showing and they are cutting quite a number of fair sized American Beauties. They have had their store renovated and it looks fine.

F. H. Kramer has finished his new house and planted it with roses and carnations. His stock in general is looking good.

Trade is still quiet and many of the retail florists are having their stores renovated and put in shape for business.

C. Schellhorn has finished and planted his new rose house and is building another house 20x100 for carnations. P. G.

ST. JOSEPH, MO.—L. J. Stuppy will move into larger and better quarters October 1.

KANKAKEE, ILL.—Chas. Schafer's new smoke stack, which he had just completed, was blown down during the recent storm. Peter Schafer, his father, is now residing with him.

READING, MASS.—The fourth annual exhibition of the Amateur Gardeners' Society was held on the evening of September 10. The exhibits were up to the record and the attendance satisfactory.

TUCKAHOE, N. Y.—Mrs. John P. Shelly, wife of the proprietor of the Waverly Greenhouses, died recently after an illness of a year. She was 38 years of age and leaves her husband with six small children.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent, 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THE AMERICAN FLORIST has been
awarded a Grand Prize at the Paris
Exposition.

PLUMBAGO CAPENSIS, says the *Garden-
ing World* (English), pinched when
about eighteen inches high, makes a fine,
spreading pot plant.

SUPERINTENDENT ROBERT SHORE, of
the botanical gardens at Cornell Univer-
sity, Ithaca, N. Y., states that if he were
confined to one canna, he would select
Egandale.

FLORISTS and others who visited Phil-
adelphia during the recent convention
period say that Kift's water melon par-
ties are unique. Ask him about them
next time you call that way.

THE Black Prince canna colors best in
a rather poor, light soil. In rich, heavy
loam the growth is more vigorous but
the foliage loses much of its pleasing
deep maroon shade, giving way to green.

CRACKS and leaks, whether through
sash or sides, affect the result of growth
and modify the effect of heating. So
says Benjamin Hammond, the wizard of
Fishkill-on-Hudson, and we agree with
him.

SOME of our eastern growers have been
adroitly propagating Begonia Gloire de
Lorraine from the leaves for a consider-
able time past. In removing the leaves
from the parent plant for this purpose,
says Robert Craig, be careful to take
with each the bulb-like base of the
petiole.

GEORGE M. GARLAND says that the
present is the time for those who do
their own work to begin building for
next season, as new houses can be com-
pleted as opportunity arises in season
for use in the preparation of stock for
spring, thereby avoiding throwing out
plants sometimes in the height of their
productiveness.

The Galveston Tragedy.

ED. AM. FLORIST:—Please give a little
space in your valuable paper to how
the florists suffered in Galveston in
the most terrible disaster that ever vis-
ited any community. No doubt all of
our brethren have heard of the terrible
calamity that befell our city on Septem-
ber 8. During the afternoon and night
there were 8,000 people killed and the
damage to property will far exceed
\$20,000,000. The scenes are horrible to
behold; the dead are everywhere and are
being cremated at the places where they
are found by building a fire over them.

No house has escaped injury. Many
people are bruised and injured, whole
families destroyed and drowned. Of the
florists, at last reports, the following
were dead and their property washed
away:

THOMAS KEATS, WIFE AND ADOPTED
DAUGHTER.

CHAS. STEDING, WIFE AND TWO CHILD-
REN.

THOMAS KEMP AND WIFE.

JOSEPH ROSENKRANZ, WIFE AND CHILD.

There may be more gone but this is all
I have been able to find out. The
remaining ones have lost all they had,
their greenhouses being wrecked. Plants
are lying under the debris in salt mud
and are gone beyond redemption.

Thanks to the great and sympathetic
American people, no one has to go
hungry; all have something to eat by
this time, and shelter. Provisions are
coming in daily from all directions and
each package is a token of sympathy
and brotherhood and we return thanks
from the bottom of our hearts.

But what next? How will we rebuild
our homes? How will the florists
rebuild their greenhouses and stock
them? They need money first to rebuild
their houses and then stock to fill them.
No doubt the American florists are also
American people and they will do the
right thing. Probably the AMERICAN
FLORIST will receive and forward any
money or pledge for stock that anyone
may be willing to donate to repair the
loss of the Galveston florists. Green-
house material, plants, bulbs, and
requisites we must have and cannot buy.
All such contributions will be received
with gratitude. J. D. PRUESSNER.

[THE AMERICAN FLORIST will cheer-
fully comply with above and other sim-
ilar requests.—ED]

Coming Exhibitions.

[Secretaries are requested to supply any omis-
sions from this list.]

BALTIMORE, Md., February 21-22, 1901.—Exhibi-
tion of the American Carnation Society. Albert
M. Herr, Sec'y, Lancaster, Pa.

BOSTON, MASS., November 6-9.—Chrysanthemum
show, Massachusetts Horticultural Society.
Robert Manning, Sec'y, Horticultural Hall.

CHICAGO, ILL., November 6-10.—Annual exhibi-
tion, Horticultural Society of Chicago. W. N.
Rudd, Sec'y, 1002, 185 Dearborn street.

COLD SPRING, N. Y., November 8-9.—Second
annual exhibition, Putnam County Horticultural
Society. John A. Connolly, Sec'y.

DENVER, COL., November 7-9.—First exhibition,
Denver Florists' Club. A. M. Lewia, Sec'y.

HARTFORD, CONN., November 6-9.—Chrysanthemum
and carnation exhibition, Connecticut
Horticultural Society. L. H. Mead, Sec'y, Hart-
ford.

HOUSTON, TEX., November 15-16.—Seventh
annual chrysanthemum show for Del'celchio
Home. Mrs. M. E. Bryan, Sec'y.

MADISON, N. J., November 7-8.—Fifth annual
exhibition, Morris County Gardeners' and Flor-
ists' Society. Chas. H. Atkins, Sec'y, Madison.

NEW HAVEN, CONN., November 14-16.—Exhibi-
tion of New Haven County Horticultural Society.
Robert Veitch, Jr., Sec'y.

NEW YORK, November 14-15.—Chrysanthemum
Show, American Institute. George Whitefield, Jr.,
Sec'y, Berkeley Lyceum Building.

PHILADELPHIA, PA., November 13-17.—Annual
exhibition, Pennsylvania Horticultural Society.
David Rust, Sec'y, Horticultural Hall, Broad
street.

POUGHKEEPSIE, N. Y., November 6-8.—Annual
exhibition, Dutchess County Horticultural
Society. W. G. Gommersall, Sec'y, Poughkeepsie.

PROVIDENCE, R. I., November 14-16.—Chrysanthemum
exhibition Rhode Island Horticultural
Society. C. W. Smith, Sec'y, 61 Westminster
street.

SAN FRANCISCO, CAL., October 25-27.—Fall
exhibition California State Floral Society. Mrs.
Henry P. Tricon, Sec'y, 846 Grove street.

ST. LOUIS, MO., November 14-16.—Tenth annual
chrysanthemum exhibition, St. Louis Florists'
Club. Emil Schray, Sec'y, 4101 Pennsylvania
avenue.

WACO, TEX., November 13-17.—Fifth annual
chrysanthemum show, Texas State Floral Society.
Mrs. M. B. Davis, Sec'y, Waco.

Greenhouse Building.

Bridgeton, N. J.—Henry Atkinson, one
house.

Rhineland, Wis.—Peter Philipp, one
house.

Angola, Ind.—R. Ford Carpenter, house
12x60.

Nashville, Tenn.—Louis Haury, one
house 10x100; three houses 20x100; four
houses 12x100.

Hartford, Conn.—Walter A. Power,
one house.

Bay City, Mich.—Boehringer Bros.,
two houses. John Irvine & Sons, range
of ten houses.

Fairhaven, Mass.—S. S. Peckham,
house 25x125.

Westfield, Mass.—S. D. Barton, one
commercial house.

Alexandria Bay, N. Y.—J. Hay & Son,
range of houses.

St. Paul, Minn.—A. H. Bunde, one
house.

Danville, Va.—J. H. Rhodes, house
15x40.

Census Statistics of Floriculture.

Uncle Sam does some things exceed-
ingly well, especially when he puts a
Dewey in charge and the cables are cut.
In an end of the census office, however,
it is evident there is no Dewey or else the
cables and underground wires are in first-
class working order.

After confessing inability to answer
certain of the wonderful questions prop-
ounded, certain growers have been
advised that a good guess would be all
right!! However, that is consistent
enough, for there is no other way that
the average florist can answer a large
number of the questions, except by guess-
ing. The Yankees are good guessers, but
how about us Germans?

In all seriousness, the results to be
obtained from one-half the items inquired
for will be about as reliable as a guess at
the number of hairs on a yellow dog
afflicted with the mange, with specifica-
tions as to the dog's size withheld.

An inspection of the schedule sent out
will confirm one in the impression that
it must be the production of a Kansas
farmer. Surely no practical florist ever
had a hand in its make-up, or was ever
consulted in regard to it. If it is statis-
tics of the glass trade which is wanted,
perhaps the measurements of glass in
ends, sides and roof may be all right but
if it is a showing of the capacity of the
greenhouses to hold and grow plants,
then only the ground space covered
would be of value, which is not asked
for.

The amount paid for manures and fer-
tilizers is called for, but nothing is asked
about the coal consumed. Again the
horny hand of the farmer appears.

Among general growers, turning out
two and three crops from the same house,
how many can specify accurately the
amount of glass devoted to "Rose
Plants, including Stock," "Carnation
Plants, including Stock," and so on
through the whole list? And how many
can give the separate amounts received
from sales of each ("including stock?")

The whole blundering mess reminds
one of the company which had been
operating a large car works for some
years, with numerous changes of super-
intendents, and not making a brilliant
success of it, financially. Upon appeal-
ing to one of the stockholders for advice
the following was given: "You have
tried a carpenter as superintendent of

your car works, you have had a ship-builder, a thread manufacturer and an iron master. What is the matter with trying a car builder?"

One would like to have Uncle Sam try a florist when it comes to framing a schedule for statistics of the florist business. W. N. R.

Rudbeckia Golden Glow.

We had two large blocks of this grand plant, one in a moist spot, the other in a very dry place. The first lot commenced blooming very early and was pretty well over by August 1, on which day we cut all the plants to within a foot of the ground. The plants immediately sent out new growth which is now (first week in September) about eighteen inches high and have been in full bloom for more than ten days with every indication of continuing for a long time to come. The flowers are in better demand now than in July and August. We have just cut down our second block and hope that it may bloom in October, when we will report results. A. BLANC.

Louisville.

A BENEVOLENT AND PATRIOTIC ORDER PARADES THE CITY WITH FLOWERS.—VARIOUS PERSONAL ITEMS OF INTEREST.

On Monday, September 17, Louisville witnessed a great floral parade, given by the Elks. Prizes were offered for the best floats and best decorated carriages. Mrs. C. W. Reimers received first prize on a float, also a prize on a carriage. Nanz & Neuner won second prize on float. Their float had a life sized elk, made of cape flowers, high in the center surrounded by plants and pretty girls. The carriage of J. E. Marret, which won a prize, was decorated with white chrysanthemums and Asparagus plumosus.

Jacob Schultz has completed his improvements and added two steam boilers to his heating plant, taking out all the hot water boilers. He is now cutting some fine Beauties.

F. I. Walker, of F. Walker & Co., has returned from a tour of Europe, visiting nine countries and taking in the Paris Exposition.

The Society of Kentucky Florists has decided to have a chrysanthemum show in November and has made out a premium list.

J. E. Marret has benched some of the finest and healthiest carnation plants I have seen this year.

More pot chrysanthemums are being grown around Louisville than for several years.

Wood, Stubbs & Co. report a fine fall trade in field and grass seeds.

E. G. Reimers has added one small house to his establishment. H. G. W.

Catalogues and Cut Flower Price Lists Received.

W. Walters & Co., Leytonstone, London, England, roller blinds and baskets; Phoenix Nursery Company, Bloomington, Ill., trees, plants, bulbs, etc.; Ellwanger & Barry, Rochester, N. Y., Holland bulbs, plants, etc.; Jacques Hasslach, Nimes, France, seeds; Pinchurst Nurseries, Pinchurst, N. C., woody and herbaceous plants; Harlan P. Kelsey, Boston, Mass., plants, flowers, etc.; Muskauer Nurseries, Muskau (Lausitz) Germany, nursery catalogue; E. H. Hunt, Chicago, Ill., wholesale florists' supplies; C. C. Pollworth, Milwaukee, Wis., cut flowers; Kennicott Bros. Co., Chicago, Ill., cut flowers; E. C. Amling, Chicago, Ill., cut flowers; Bassett & Washburn, Chicago,

Ill., cut flowers, florists' supplies. City Hall Cut Flower Market, Boston, Mass., florists' supplies and cut flowers.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words); each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a free-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 73 E 26th St., Chicago.

SITUATION WANTED—By rose and carnation grower, age 30; single; first-class reference. J. M., care American Florist.

SITUATION WANTED—By experienced grower of roses, carnations, mums and violets. Best of references. EDWARD W. LESER, Bay City, Mich.

SITUATION WANTED—By a young man having some experience in greenhouse work; sober, steady and industrious. Best reference. H., care American Florist, Chicago.

SITUATION WANTED—By experienced rose and carnation grower; age 30, single. First-class references. State wages. Address M., care W. Howe, 179 Sixth Ave., New York.

SITUATION WANTED—By practical working foreman; No 1 Rose and cut flower grower. Carnations, mums, violets, etc.; 25 years' experience; co. References. FLORIST, 1021 W. 3rd St., Canton, O.

SITUATION WANTED—As foreman, by successful and up-to-date grower of roses, carnations, etc.; decorative and bedding plants; 25 years' experience; married. Best of references. Address P. H., care American Florist.

SITUATION WANTED—As maker-up and decorator by single young man of first-class experience in up-to-date floral establishment. References from present employer. State salary. East preferred. W. X., care American Florist.

SITUATION WANTED—As foreman by a practical grower of roses, carnations, mums, violets, palms, ferns, etc. Forcing of bulbs a life experience. Only those able to pay good wages need apply. Best references. D P N 249 N. 10th St., Philadelphia, Pa.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS B. BULL, Bakerfield, Cal

WANTED AT ONCE—Experienced assistant in greenhouses. Good pay to the right party. Address G. F., care American Florist.

WANTED—A first-class rose and carnation grower; must have good references. Good wages to good grower. A. F. BARBE, Kansas City, Mo.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B., care American Florist.

WANTED—Florist Donald McKay will hear of something to his advantage by calling at Breck's Bureau, 51 N. Market St., Boston, Mass.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Florist for general greenhouse work. German, married man preferred; \$10 per week, steady place. Ad OTTO KLINGHIEL, Davenport, Iowa.

WANTED—Young man with experience as maker up and decorator of good address and reliable. State salary expected. Address C. A. SAMUELSON, 2129 Michigan Ave., Chicago.

WANTED AT ONCE—Grower of roses, carnations, mums and general stock, and a good propagator. State wages with board and room; also references. C. HUMFELD, Clay Center, Kan.

WANTED—One or two men with small capital to run my greenhouse plant. No competition, good location, best shipping facilities. A fine opportunity. MRS. L. B., care American Florist.

WANTED—Competent man for general greenhouse work—retail trade. Must be temperate and willing to work; single man preferred. Good place for right man. State wages wanted. Address F. R., care American Florist.

WANTED—Two single men that have worked a little around greenhouses; experience not necessary, but must have good reference as to character. \$15.00 per month, board and room. Address A. MITTING, Morris, Ill.

WANTED—Young man with some experience to work in greenhouses, roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address B., care American Florist.

WANTED—From Michigan, experienced man for general greenhouse, one who is willing and takes an interest in his work. Good wages and steady place to the right man. Give age and nationality. References. B. J., care American Florist.

WANTED—Young man experienced in budding and grafting roses and in making soft wood cuttings of shrubbery. Steady employment, good wages. Must be strictly temperate. Apply to THE ELIZABETH NURSERY CO., or to GEORGE REEG, supt., Elizabeth, N. J.

WANTED—Competent, reliable foreman for four greenhouses; must be a man with unquestioned ability and character and that is well versed in growing roses, carnations and general line of plants; also capable of helping in floral work and decorating. Permanent place for right man. Single, and one who speaks German preferred. For particulars, address with references. SIXTH AVE GREENHOUSES, Charles Otto Horn, Prop Helena, Montana.

FOR SALE O 3 RENT—Six greenhouses, dwelling, sheds. Bargain. W. L. WINN, White Hall Ill.

FOR SALE—One-half interest in a greenhouse, good paying business, growing city of 25,000 in Wisconsin; very cheap on account of sickness. Address A. D., care American Florist.

FOR SALE—An exceptional offer. If taken soon, in good growing town of 18,000, doing a good business. Hot water heat, 400 feet of glass. Best of reasons for selling. Price and terms right. B A B, care American Florist.

WANTED!

Good, reliable man to act as shipping clerk and growers' representative in one of the best established cut flower houses in Chicago. Good wages to right man. Permanent position. Must be capable and energetic. Address W G R., care American Florist.

FOREMAN WANTED.

For range of 175,000 square feet of glass. Must be a man of unquestioned ability and character, and an up-to-date grower, accustomed to handling men where Roses, Carnations, Mums, Palms, Ferns, Bulbous and Bedding Stock is grown. Permanent position for right party.

J. F. WILCOX, Council Bluffs, Iowa.

FOR SALE.

50 H. P. Horizontal Steam Boiler, including all fittings. Cheap for cash.

J. A. BUDLONG,

37 & 39 Randolph St., CHICAGO, ILL.

FOR SALE With 10 Year Lease,

One of the best places in Chicago.

This is a rare opportunity if you have some cash, talk it over with me.

T. J. CORBREY,

1409-1411 W. Madison St., CHICAGO.

FOR SALE OR RENT

Greenhouse, 5000 feet of glass, steam heating, Market Garden, Ten Acres, six-room Dwelling, Barn, etc., adjoining thriving town of 3000, on St. Joe and Grand Island Ry.

H. SCHMALZL, Marysville, Kans.

NOTICE.

Notice is hereby given that the firm of Walter Retzer & Company, 2045-2959 Clarendon Avenue, Chicago, has been on this day dissolved. The business will be continued by Walter Retzer under the name of "Walter Retzer & Company." All liabilities of the firm have been assumed by him. Yours truly, WALTER RETZER & Co. WALTER RETZER. Chicago, Sept. 26, 1900. ALFRED B. EVERETT.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

Bentley & Co.

F. F. BENTLEY, Manager.

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

Please mention the American Florist when writing.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208.

OHIOAG

Wholesale Flower Markets

CINCINNATI, Sept. 27.

Roses, Beauty.....	5.00@20.00
" Bride.....	3.00@ 4.00
" Bridesmaid.....	3.00@ 4.00
" Meteor.....	3.00@ 4.00
" Perle.....	2.00@ 3.00
" short.....	.75@ 1.00
Carnations.....	3.00@ 4.00
Tuberose.....	.75@ 1.00
Asters.....	4.00@ 5.00
Lilies—Album and Rubrum.....	4.00
Lily of the valley.....	12.50@ 15.00
Smilax.....	1.00
Adiantum.....	.15
Common ferns.....	50.00
Asparagus.....	

St. Louis, Sept. 27.

Roses, Bride, Bridemaid.....	2.00@ 4.00
" Beauty, 12 to 20 inch stems.....	8.00@ 12.50
" Perle.....	2.00@ 3.00
" Meteor.....	2.00@ 4.00
" Kaiserin.....	3.00@ 5.00
Carnations, common.....	.75@ 1.00
" choice.....	1.25@ 1.50
Lily of the valley.....	3.00@ 4.00
Smilax.....	12.50
Adiantum.....	.60@ 1.00
Tuberose.....	3.00@ 4.00
Asters.....	.75@ 1.50

MILWAUKEE, Sept. 27.

Roses, Beauty, long, per doz.....	2.00@ 3.00
" med " 100@.....	1.50
" short " 50@.....	.75
" Bride, Bridesmaid.....	3.00@ 4.00
" Meteor.....	4.00@ 6.00
" Kaiserin.....	4.00@ 6.00
" Golden Gate.....	4.00@ 6.00
Carnations, ordinary.....	1.00
" fancy.....	.75@ 1.00
Adiantum.....	.25
Common ferns.....	.50@ 1.50
Asters.....	15.00
Smilax.....	65.00
Asparagus.....	.20
Galax leaves.....	

PITTSBURG, Sept. 27.

Roses, Beauty, fancy.....	20.00@25.00
" extra.....	10.00@20.00
" No. 1.....	6.00@10.00
" culls.....	3.00@ 5.00
" Bride, Bridesmaid.....	2.00@ 6.00
" Meteor.....	2.00@ 6.00
" Perle.....	2.00@ 4.00
" Cusli.....	2.00@ 4.00
Carnations, ordinary.....	.50@ .75
" fancy.....	1.00@ 1.50
Lily of the valley.....	2.00@ 4.00
Smilax.....	12.50@ 15.00
Gladiol.....	2.00@ 3.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
" Sprengeri.....	.25@ .35
Dagger ferns.....per 1000.....	2.00
Asters.....	.50@ 2.00

DENVER, Sept. 26.

Roses, Beauty, select.....	12.50@20.00
" ordinary.....	4.00@ 8.00
" Bride, Bridesmaid.....	2.00@ 4.00
" Meteor.....	3.00@ 4.00
" Perle, Wootton.....	3.00@ 4.00
Carnations, ordinary.....	1.00@ 1.50
" fancy.....	2.00@ 2.50
Lily of the valley.....	4.00
Callas.....	12.50
Harrisi.....	12.50
Violets.....	.50
Asters.....	.50@ 1.00
Galax Leaves.....	.20
Asparagus.....	60.00
Smilax.....	15.00
Werns.....	.30

J. B. DEAMUD,

CHICAGO.

51 WABASH AVE.,

AM. BEAUTIES, ex. long.....	Per doz. \$2.50
" 24-inch.....	2.00
" 18 ".....	1.50
" 12 ".....	1.25
" short.....	.50 to .75
BRIDES, MAIDS.....	Per 100 \$2.00 to \$3.00
METEORS, KAISERINS.....	2.00 to 4.00
PERLES.....	2.00 to 3.00
CARNATIONS.....	.50 to 1.00
VALLEY.....	4.00 to 5.00
SMILAX.....	12.50

ADIANTUM.....	Per 100 \$.50 to \$.75
ASPARAGUS.....	50.00
FANCY FERNS.....	\$1.50 per M. .20
IVY LEAVES.....	.50

CALDWELL'S	No. 1 contains 15 lbs.,	\$2.50
	No. 2 " 20 " "	3.25
	No. 3 " 25 " "	3.75
	No. 4 " 35 " "	4.50
	No. 5 " 40 " "	5.50
	No. 6 " 50 " "	6.50

Prices subject to change without notice. P. AND D. AT COST.

CATTLEYAS, \$6.00 per dozen.

WE ARE THE ONLY JOBBING HOUSE IN CHICAGO HANDLING CALDWELL'S WILD SMILAX.

Everything in the

CUT FLOWER

line.

and a complete line of

WIRE WORK,

the kind that will give satisfaction.

FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,

P. O. Box 103.

Milwaukee, Wis.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS PITTSBURG, PA. LIBERTY STREET, IN SEASON.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD. - 42 WEST 28TH STREET, NEW YORK.

Southern Wild Smilax.

NEW CROP NOW READY.

Caldwell The Woodsman Co. Inc.

Also J. B. DEAMUD, CHICAGO, ILL., L. J. KRESHOVER, New York, N. Y., M. RICE & CO., Philadelphia, Pa., THE VAIL SEED CO., Indianapolis, Ind.

Southern Wild Smilax.

New crop now ready for shipment. Write for my descriptive circular and price list. I guarantee that all goods shipped by me will be of best quality, hand picked, and of standard weight. I solicit your standing orders for the above goods. Reduced expr-ss rates to all points. Address all orders to, by wire via Georgiana, J. G. BARROW, RED LEVEL, ALA.

New Galax.

GREEN GALAX.....	\$.50 per 1000
CUT FERNS.....	.60 "
LEUCOTHOE.....	3.00 "

Cash with first order. Satisfaction guaranteed.

J. N. PRITCHARD, Eik Park, N. C.

Please mention the American Florist when writing.

Galax Leaves at Wholesale

ORDERS FILLED PROMPTLY. CORRESPONDENCE SOLICITED.

...J. G. LOVEN...

Montezuma, N. C.

OUR STOCK GRADES SO HIGH

That there are those who say that we have the best American Beauties, Tea Roses and Carnations offered in the Chicago market. At any rate, buyers who require the finest stock obtainable are our constant customers. Our out-of-town customers always get the advantage of Chicago market rates at hour of shipment.

E. C. AMLING,

Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,

CHICAGO, ILL.

PRICE LIST.

BEAUTIES			
Extra long stem.....	per dozen,		\$3 00
Stems, 30 inches.....	"		2.50
" 24 ".....	"		2.00
" 20 ".....	"		1.50
" 15 ".....	"		1.25
" 12 ".....	"		1.00
" 8 ".....	"		.75
ROSES			
Brides and Maids.....	per 100,	\$3.00—	5.00
Meteors and Kaiserin.....	"	4.00—	5.00
Perles.....	"		3.00
Roses, good seconds.....	"		2.00
CARNATIONS			
Standard sorts.....	per 100,	1.00—	1.50
MISCELLANEOUS			
Alyssum.....	per 100,		.25
Lilies, Auratum.....	per dozen,		1.50
Valley.....	per 100,		4.00
DECORATIVE			
Asparagus.....	per string.	.35—	.50
Galax, green & bronze, per 1000, \$1.00;	per 100,		.15
Ferns, per 1000, \$1.50.....	"		.20
Leucothoe.....	"		1.00
Ivy Leaves.....	"		.50
Adiantum.....	"		.75
Smilax.....	per dozen.	1.25—	1.50
Wild Smilax, parlor brand.....	per case,		3.25
" " medium.....	"		4.25
" " large.....	"		6.50

As it is yet too early to carry Wild Smilax in stock, four days' notice is necessary.

McKELLAR & WINTERSON

45-47-49 Wabash Ave.

.....CHICAGO

Just Received:

A fine lot of Calla Lily Bulbs.
Select, 1 1/4 to 1 1/2-in. diam., per 100, \$5.00

FRENCH BULBS ALL
DUTCH BULBS KINDS

A full line of Supplies and Everything for Florists.

CUT FLOWER PRICE LIST.

	Per 100
Beauties, long.....	\$20.00 to \$25.00
" medium.....	10.00 to 15.00
" short.....	6.00 to 8.00
Brides, Maids.....	3.00 to 5.00
Perles and Meteors.....	3.00 to 5.00
Carnations.....	1.00
Asters, good.....	.75
" fancy.....	1.00 to 1.50
Gladioli.....	2.00 to 3.00
Valley.....	4.00 to 5.00
Lilies.....	10.00 to 12.00
Ivy Leaves.....	.40
Adiantum.....	.50 to .75
Common Ferns.....	per 1000, \$1.50
Smilax.....	per doz., \$1.25 to 1.50
Asparagus.....	" 5.00 to 6.00

Please mention the American Florist when writing.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

Wanted at Once

"FLORISTS" to send to us for their supply of Cut Flowers. Most careful attention given to shipping orders. Order what you want—we have it. Cutting 2,000 Beauties daily.

GEO. REINBERG, 51 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

IT IS GOOD BUSINESS POLICY TO MENTION THE AMERICAN FLORIST WHEN YOU WRITE TO AN ADVERTISER.

J. A. BUDLONG

WHOLESALE GROWER OF

Cut Flowers

ROSES A SPECIALTY.

37-39 Randolph St., CHICAGO, ILL.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCH

We are large Growers and Shippers of CUT FLOWERS ALL THE NEW VARIETIES.

YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

Wholesale Flower Markets

CHICAGO, Sept. 28.

Roses, Beauty, extra long stems	3.00
" " 30 inch	2.50
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.25
" " 12 " "	1.00
" " 8 " "	.75
" Bride, Bridesmaid.....	3.00@ 5.00
" Perle.....	2.00@ 4.00
" Meteor.....	3.00@ 5.00
" La France.....	2.00@ 4.00
" Golden Gate.....	4.00@ 6.00
" Liberty.....	4.00@ 6.00
Carnations.....	.75@ 1.00
" fancy.....	1.00@ 1.50
Lily of the valley.....	4.00@ 5.00
Adiantum.....	.75
Common ferns.....	per 1,000 1.50
Smilax.....	8.00@12.00
Asparagus.....	50.00
Ivy leaves, per 100.....	.60
Tuberose.....	per dozen .50



S. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.
WELCH BROS., PROPRIETORS.
 NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2.00 per
 Script Letters, \$4.00 per 100.
 THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Southern Wild Smilax
 \$2.00 per 60 pound Case.
 \$1.25 per 30 pound Case.

Discount to wholesale dealers. Cases lined with a fine quality lining paper to protect from heat or dirt. Thoroughly packed with **Extra Selected** stock, and weighs **60 and 30 pounds**, but are shipped at 50 and 25 pounds. Express Rates 25 per cent less than merchandise rate.
 Telegraphic orders given prompt attention.
 Address **R. A. LEE, Evergreen, Ala.**
 TERMS: Cash with order, C. O. D. or check on receipt of goods.

Bronze Galax Leaves
 \$1.25 per 1000. Every leaf guaranteed perfect
 Try a sample **FIFTY** for ten cents in stamps, delivered **FREE.**
AMERICAN ROSE CO., Washington, D. C.
 I PAY EXPRESS or POSTAGE on my

Bronze Galax Leaves
 anywhere in U. S. for \$1.50 per 1000. IMMEDIATE DELIVERY. Write for particulars.
LILLIAN ALLEN DEXTER, Washington, D. C.

Wholesale Florists, JOBBERS IN
 Always on hand:
CARNATIONS, BRIDESMAIDS, BRIDES.
FLORISTS' SUPPLIES
FLORISTS' VASES.
 Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

Geo. A. Sutherland, Boston Flowers.
WHOLESALE DEPOT FOR

All Florists' Supplies,
 Price lists mailed. **67 BROMFIELD ST., BOSTON, MASS.**

IT IS NOT...
 what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

Wholesale Flower Markets

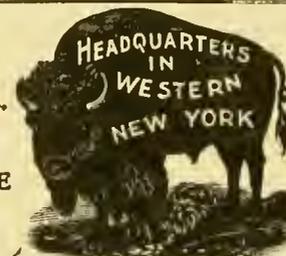
PHILADELPHIA, Sept. 26.

Roses, Tea.....	1.00@ 2.00
" " extra.....	3.00@ 4.00
" Beauty, extra.....	15.00@20.00
" " firsts.....	8.00@12.00
Carnations.....	50@ 1.00
" fancy.....	1.50
Lily of the valley.....	3.00@ 4.00
Gladiolus.....	2.00@ 2.50
Tuberose.....	2.00@ 3.00
Asters.....	50@ 1.00
Asparagus.....	25.00@35.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00

BOSTON, Sept. 26.

Roses, Beauty, extra.....	15.00@25.00
" " medium.....	6.00@12.00
" " culls.....	2.00@ 5.00
" Bride, Bridesmaid, Meteor.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" Kaiserin, Carnot.....	4.00@ 8.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Asters.....	50@ 1.00
Gladioli.....	1.00@ 2.00
Adiantum.....	1.00@ 1.50
Smilax.....	8.00@12.00
Asparagus.....	50.00
Hardy ferns.....	.20
Japan lilies.....	2.00@ 3.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer, Wholesale Florists
 1604 LUDLOW STREET,
 Phone 1-42-69-A. PHILADELPHIA.
 Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 LONG DISTANCE PHONE 3-45-34 D. PHILADELPHIA, PA.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-26 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG...
 Largest Grower of... **Cut Flowers** in the West.
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,
 NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.
 Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co., WHOLESALE FLORISTS.
 416 Walnut St., CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders

ROSE GROWERS SEEKING A GOOD MARKET
 CAN FIND IT BY CONSIGNING TO **A. H. LANGJAHR,** 19 Boerum Place, BROOKLYN, N. Y.
 OVER 150 FLOWER STORES IN BROOKLYN. MONEY SURE. TEN YEARS ESTABLISHED.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS

**Walter F. Sheridan,
Wholesale Florist,**

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.

Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

57 W. 28th. St., NEW YORK CITY.

Special attention given
to Shipping Orders.

Telephone 2200 Madison Square.

—CONSIGNMENTS SOLICITED.—

**JOHN YOUNG,
ROSES, CARNATIONS, VALLEY**
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets & Carnations.

GROWERS and BUYERS make a note of this. It
will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.

New Telephone No. 551 Madison Square.
Please Mention the American Florist.

**FRANK MILLANG,
CUT FLOWERS,**
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cut Flower Exchange.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.

TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 270 Madison Sq.

Wholesale Flower Markets

NEW YORK, Sept. 26.

Roses, Beauty, select.....	15.00@25.00
" " medium.....	6.00@10.00
" " culls.....	2.00@ 4.00
" Bridesmaid, Bride, Meteor	.50@ 2.00
" select.....	3.00@ 6.00
Carnations.....	.50@ 1.50
Lily of the valley.....	2.00@ 3.00
Harrish.....	6.00@ 8.00
Cattleyas.....	20.00@33.00
Gladioli.....	.50@ 1.00
Asters.....	.50@ 1.50
Smilax.....	8.00@10.00
Asparagus.....	25.00@35.00
Sprengeri, per doz. bun.	.75@ 1.00
Adiantum.....	.50@ .75
Tuberose, spikes.....	1.00@ 1.50

BUFFALO, Sept. 27.

Roses, Beauty.....	10.00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserlu.....	6.00
Carnations.....	1.00@ 1.25
Lily of the valley.....	3.00@ 4.00
Lotus blooms.....	12½¢ each
Roseum ".....	4.00
Gladioli.....	2.00@ 3.00
Asters.....	.50@ 1.50
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy ferns, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00

**MILLANG & CO.
WHOLESALE
Commission Florists**

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.
Please mention the American Florist when writing.

The New York Cut Flower Co.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

**GEORGE SALTFORD,
Wholesale Dealer in
Violets**

... Wholesale ...
Commission Dealer in
50 W. 29th St., NEW YORK.
*Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.*

FORD BROS.
...Wholesale Florists,
111 West 30th Street, NEW YORK.
READY FOR VIOLETS. 'Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECTH,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street.
Telephone 1438 Madison Square. NEW YORK.
Consignments Solicited.

Do not forget to say "saw your ad. in
the AMERICAN FLORIST" when corre-
sponding with advertisers

**J. K. ALLEN'S POPULAR WHOLESALE
CUT FLOWER HOUSE**

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled
and well sold. Excellent facilities. * * * *
Telephone 197 Madison Square.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421
Madison Square,NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

LEM. W. BOWEN, of D. M. Ferry & Co., visited New York recently.

THE Michigan seed bean crop is estimated at sixty per cent of an average one.

VISITED CHICAGO: Frank P. Sperry, representing the Livingston Seed Co., Columbus, Ohio.

LATEST London reports indicate a strong demand for red clover seed and good rates for blue peas.

THE liabilities of the Dickmann Seed Company, of St. Louis, are not so large as was at first reported by the mercantile agencies. Instead of \$29,162.50, they are \$7,132.50.

JACQUES HASSLACH, the well known seed grower, of Nimes, France, has published an interesting account of the insect pest which has been devastating the bean crop in the south of France during the past two years.

JAMES McHUTCHISON, representing August Rhotert, of New York, and J. H. Wentholt, director of the General Bulb Co., Vogelenzang, Holland, who has been traveling in this country, will sail to-day for Europe.

The Vine Seed and Corn Crops Around Waterloo, Neb.

At Waterloo, Neb., September 22, the cucumber crop on the whole is very disappointing, even with the low estimates put on the vines after the lice had ceased working. The crops that have been threshed and washed so far have turned out a great deal of light seed, which in a number of cases does not show the usual brightness on account of premature ripening. Some of the fields do not yield more than fifty pounds per acre, while quite an acreage was not gathered at all.

The muskmelon crops have for the most part been harvested and, while the yield is not an average crop, there will be enough of most kinds to fill contract orders. The water melon crops, quite a proportion of which are already on the drying racks, show fair yields of good plump seed and orders for most kinds will be filled in full, with some surpluses on standard kinds.

The pumpkin and squash crops, which have not yet been harvested, promise an average yield. The squash bugs have made their appearance but have not done any great harm. Orders will most likely be filled in full.

The sweet corn crop was injured a little by late rains and the worm is doing some damage to the ears, especially the late planted crops, but there seems to be sufficient to fill most contract orders.

ANGOLA, IND.—R. F. Carpenter is adding a house 12x60 to his glass, planting it with carnations.

THOMPSONVILLE, CONN.—Charles A. Lord who for some years was employed at D. William Brainard's, died September 19 after a year's illness. He was 53 years of age and leaves a large family.

NEW ORLEANS, LA.—An increase in the business of Armand Kerlec & Son has caused them to remove from 512 Ursulines street, near the French Market, to much larger quarters at 1107 Decatur street.

SOUTHERN NATURAL PEACH PITS

For several years past we have given special attention to the procuring of Southern Natural Peach Pits, selected from original seedling trees in the mountains of Tennessee and North Carolina, which are entirely free from yellows or disease, guaranteed to give good stands and make much stronger and healthier trees than those from any other section. These pits being very small in size, contain more than double the number to the bushel. We have for many years annually supplied a majority of the best Nurserymen and Peach Growers in the United States. Samples and prices on application.

Johnson & Stokes, SEEDSMEN, PHILADELPHIA, PA.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY ROMAN HYACINTHS DUTCH HYACINTHS NARCISSUS TULIPS Etc., Etc., Etc.

Wholesale Bulb Catalogue Mailed On Application.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

CALIFORNIA

Calla Bulbs



Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

FIRST SIZE, 1 1/4 to 1 1/2-in. diam., doz. 75c; 100 \$5.00.

SELECT, 1 1/4 to 1 1/2-in. diam., doz. \$1.25; 100 \$7.00.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St.

CHICAGO: 84-86 Randolph St.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Saling, Alfalfa, Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Polalo Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

MIGNONETTE.

Allen's Deliance, seed from selected spikes, 25c per pkt., \$1.00 per ounce.

J. C. SCHMIDT, BRISTOL, PA.

Herr's = = Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment. Plants only, and ready October 1st to January 1st.

FREE BY MAIL,

75c per 100, 250 for \$1.50; 500 for \$2.50.

By Express at Your Expense, \$4 per 1000.

ALBERT M. HERR LANCASTER, PA.

ROEMER'S SUPERB PRIZE Pansies.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa. Grower of the Finest Pansies.

PANSIES WORTH RAISING

SEED, 3 16 oz., \$1.00; 1 oz., \$4.00. PLANTS, 500, \$2.50; 1000, \$4.00.

F. O. B. express here. CASH WITH ORDER. Everything first-class.

CHR. SOLTAU, 199 Grant Av., Jersey City, N. J.

PANSIES THE JENNINGS STRAIN.

Highest standard plants, finest mixed, 60 cts. per 100 by mail; \$4.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies, Lock Box 254, SOUTHPORT, CONN.

ZIRNGIEBEL'S GIANT PANSY PLANTS NOW READY.

GIANT MARKET.....\$ 5.00 per 1000
GIANT FANCY.....\$10.00 per 1000
Also seed of the above strains, in trade packets, at \$1 each. DENYS ZIRNGIEBEL, Needham, Mass.

Pansies.

Large Flowering Giant,

In fine mixture, strong plants ready now for planting outside or in.

Price by Mail, 50c per 100; by Express, \$3 per 1000. In lots of three to five thousand at \$2.50 per 1000.

E. FRYER, BATAVIA, ILL.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
WOOD BROTHERS, FISHKILL, N. Y.

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

Write for our Prices on Wire Work.
You can't duplicate them anywhere.

42 and 44 East Randolph St.,
CHICAGO

Cut Flower Price List

	Per 100	
Beauties, long.....	\$20.00 to	\$25 00
“ medium.....	10.00 to	15 00
“ short.....	6.00 to	8 00
Brides, Maids.....	2.00 to	4.00
Perles and Meteors.....	2.00 to	4.00
Carnations.....	1.00 to	1.25
Asters, good.....		1.00
“ fancy.....	1.50 to	2.00
Valley.....	4.00	
Lilies.....	10.00 to	12 50
Adiantum.....	.50 to	.75
Common Ferns.....per 1000,		2.00
Smilax.....per doz.,	\$1.25 to	1 50
Asparagus.....“	5 00 to	6.00

Now that the cut flower season is on again, buyers will do well to remember that when stock is obtainable anywhere we will have it, that when others fail we have it. :: :: :: ::

JUST NOW

Stock is only fair, but as good as can be expected at this season. Whatever you want, we have it.

Store open till 6:30 p. m. week days - - Till noon Sundays and holidays.

This Year's Customers Must be Ours Next Year.

-- EXTRA FINE --

FIELD-GROWN CARNATIONS

	Per 100	Per 1000
Genevieve Lord.....	\$10.00	\$75.00
Chicago.....	7.50	60.00
John Young.....	6.00	50.00
William Scott.....	3.00	25.00
Evelina.....	3.00	25.00
Armazindy.....	3.00	25.00

Blooms of all leading varieties now ready, at \$1.00 and \$1.50 per 100.

CASH MUST ACCOMPANY ORDER.

CHICAGO CARNATION CO., JOLIET, ILL.

Please mention the American Florist when writing.

CARNATIONS FIELD-GROWN PLANTS

	Per 100	Per 100
GENEVIEVE LORD, the finest of all commercial pink Carnations, fine plants.....	1st size, \$12.00	2d size, \$10.00
Olympia.....	13.00	
J. Whitcomb Riley.....	12.00	
Estelle.....	12.00	
G. H. Crane.....	8.00	
Daybreak.....	6.00	
Flora Hill.....	5.00	
Mayor Pingree.....	5.00	
Armazindy.....	5.00	
100 Wm. Scott.....	5.00	
Seedling No. 39, fine plants.....	8.00	

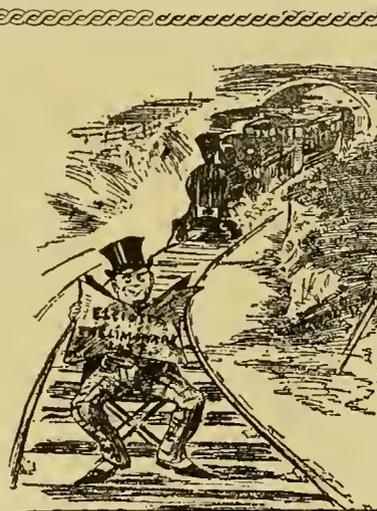
No. 39 is a bright pink, very free winter bloomer, stems averaging 2 to 3 feet.

H. WEBER & SON, Oakland, Md.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.



On the Track

Of a few Good Things.
Compare With Other Offers.

10% DISCOUNT when order is accompanied by cash. Money cheerfully refunded if Bulbs are not as represented.

ROMAN HYACINTHS

11 to 12 ctms.....	\$14.00 per 1000
12 to 15 “.....	18.00 “

LILIUM CANDIDUM

LARGE BULBS.....\$60.00 per 1000

LILIUM HARRISII

7 to 9, case 200, \$16 00

100 at the thousand rate.

WM. ELLIOTT & SONS,

54 AND 56 DEY ST.,
NEW YORK.

Field-Grown CARNATIONS

Daybreak, Scott, } \$5 per 100,
Portia, Silver Sprav, } \$40 per 1000
Genesee, Cartledge,
Jubilee and Triumph,

FIELD-GROWN VIOLETS,

\$5 per 100, \$40 per 1000.

Pot-Grown Violets,
3-inch, \$3 per 100; 4 inch, \$4 per 100.

WM. F. KASTING, 481 Washington Street,
BUFFALO, N. Y.



10,000 Carnations

Flora Hill, \$4 per 100, \$35 per 1000. Wm. Scott, \$3 and \$3.50 per 100, \$25 and \$30 per 1000. L. McGowan, \$2.50 per 100, \$20 per 1000.

C. HUMFELD
Clay Center, Kas.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSEYRMEN.
 THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
 GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE apple growers lost thousands of barrels of fruit in the recent wind storm which swept the central states.

PROF. N. E. HANSON speaks in high praise of the Siberian larch for use on the cold, arid lands of the northwest.

C. L. WATROUS, president of the American Pomological Society, has added his voice to the chorus of approval of the McPike grape.

AT SCIOTOVILLE, O., John and Wilbur Stout and Mr. Conkling have organized the Ohio Valley Plant Company, to do a general nursery business.

FRED. WELLHOUSE, president of the Kansas State Horticultural Society, has 1,200 acres of apple orchards planted between 1892 and 1894. He says that Jonathan has been his best money maker, Missouri Pippin second and Ben Davis third.

Plants Subject to Attacks of San Jose Scale.

The latest list of plants on which San Jose scale has been found, as published by the U. S. Department of Agriculture, is as follows:

Orchard fruits—Pear, peach, apple, plum, cherry, Rocky Mountain dwarf cherry, persimmon, quince, flowering quince. Small fruit—Strawberry. Bush fruits—Raspberry, gooseberry, grape, currant, flowering currant, black currant. Nut plants—Almond, chestnut, pecan, black walnut, English walnut, Japan walnut.

Miscellaneous ornamental plants, forest and shade trees—Rose, hawthorn, spiræa, cotoneaster, euonymus, English huckleberry, linden, acacia, elm, osage orange, alder, sumac, weeping willow, English willow, golden willow, laurel leaved willow, milkweed, Catalpa speciosa, Lombardy poplar, Carolina poplar, golden leaved poplar, silver maple, cut leaved birch, mountain ash, Japanese quince, actinidia, Citrus trifoliata, red dogwood, snowball, juneberry, loquat, laurel, akebia.

WICHITA, KANS.—F. Kuechenmeister has removed his greenhouses from their old location on Harry street to a new site right in the city. He has greatly enlarged the range, now having two houses 20x100, one 16x100 and one 16x58, the material coming from Chicago greenhouse builders.

PROVIDENCE, R. I.—On September 18, 19 and 20 the annual exhibition of the Rhode Island Horticultural Society was held in Tillinghast's Hall. Considering the serious damage to fruits and flowers by the dry weather and recent hurricane, the exhibition was surprisingly good. Dahlias were shown very extensively by H. F. Burt and others.

NEWARK, N. J.—The horticultural society had a fine exhibition here on the afternoon and evening of September 16. W. A. Manda, who was the largest contributor, won first prize and a gold medal with a handsome display of palms and orchids. J. F. McDonough won second prize and a silver medal in the same class. The Japanese Nursery Company made a fine show with their miniature Japanese plants.

New Deutzia Lemoinei, Field grown plants, 1or 6 in. pots, \$2 per doz., \$15 per 100.
 Dracaena Indivisa, 5-in. pots, \$1.50 per doz., \$12 per 100.
 Fine double red Daisies, "No seedlings," 60c per 100, \$5 per 1000.

JACOB THOMANN, 314 N. GOODMAN ST., ROCHESTER, N. Y.

NOVELTIES IN PLANTS That Can't be Had Elsewhere.

Such as New Kalanchoe Flamma, New Incarvillea, New Campanula Mirabilis, New Huddiea, New Deutzia, Mr. Peter Barr's New White Lupin, The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellia, New Hibiscus, New Begonia, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea. Send for Catalogue of Novelties Always in quantity—Asparagus Sprenger, Boston Fern, Baby Primrose, Edelweiss, Fern Balla, at lowest prices. **A. Blanc & Co., Philadelphia, Pa.**

CHRYSANTHEMUMS...

For want of room I will sell in best leading varieties for pot plants, in 4, 5 and 6-inch pots, good, strong, healthy plants at 6, 10 and 15c, or in exchange for field-grown Carrots, Hydrangeas or Palms.

DANIEL E. GORMAN, Williamsport, Pa.

15,000 EXTRA FINE BOSTON FERNS

2 1/2, 3, 4, 5, 6 and 7-inch pots, now ready for shipment. Some very fine plants of Asparagus Plumosus Nanus out of 2 1/2-inch pots. A few thousand mixed Roses on hand for planting. Write for prices.....

GEO. A. KUHL, PEKIN, ILL.

Carnation Plants.

Fine field-grown plants: Flora Hill, Scott, Daybreak, Lizzie McGowan, Mrs. Fisher, Victor, New York, Evanston, Albertini, Firefly. Pr ca. \$4.00 per 100.
 SMILAX fine, 3-inch stock..... \$2.50 per 100
 PLUMOSUS, fine, 3-inch stock..... \$5.00 per 100
 CASH WITH ALL ORDERS, PLEASE.

VAN WERT GREENHOUSES, Van Wert, O.

10,000 Field-Grown Carnations and Violets.

Large, healthy plants, clean and ready for immediate planting. Scott, Eldorado, McGowan and Rose Queen, \$3.50 per 100; \$30.00 per 1000. Daybreak, Meteor, Cartledge and Alba Superba, \$5.00 per 100; \$40.00 per 1000.
 VIOLETS—Princess of Wales, clumps \$6 per 100.
 SMILAX—Extra strong plants, \$15 per 1000.
W. T. & F. P. BUTZ, New Cætle, Pa.

Surplus Shade Trees

Norway, Sugar, Sycamore and Silver Maples, Lombardy Poplars and Catalpas; handsome trees at low prices.

W. P. BRINTON, Christiana, Pa.

Grape Vines

Descriptive and Price List free.
 Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.

CRYPTIOMERIA JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00.
 ASPARAGUS SPRENGERII, 2-inch, \$2.50 per 100.
 SATISFACTION GUARANTEED.
E. I. RAWLINGS, Quakertown, Pa.

PANSIES.

Roemer's Superb Prize, nice plants from seed bed, 50c per 100, \$1.50 per 500, \$2.50 per 1000.
S. T. DANLEY, MACOMB, ILL.

Primrose and Cyclamen. Primrose, latest improved large flowering, fine plants, ready for 3 1/2, \$2 per 100. Cyclamen Giganleum, 3-inch, \$5 per 100. Extras added. Cash please. **J. W. MILLER,** Hatton, Camb. Co., Pa.

Holly. Finest Quality. Any Quantity.

Write us for prices delivered at your door.
CALDWELL THE WOODSMAN CO Inc. Evergreen, Ala.

Special Offer!

For the next thirty days I will accept orders for the following nice collected stock to be shipped in November, to be paid for on delivery. (Cash, or reference from parties unknown to me):

- Adiantum Pedatum, Maidenhair Fern, per 1000, \$3.00; per 5000, \$12.50.
- Polystichum Acrostichoides, Christmas Fern, per 1000, \$4.00; 5000, \$14.00.
- Hymenocallis Occidentalis, per 100, \$2.00.

The following nice, collected Tree Seedlings, ranging in size from 6 to 16 inches and over, per 1000, \$3.00; 5000, \$12.50, or 10,000 for \$20.00:

- BETULA NIGRA, River Birch.
- CARPINUS AMERICANA, Water Beech.
- CELTIS OCCIDENTALIS, Hackberry.
- CORNUS FLORIDA, white flowered Dogwood.
- CORYLUS AMERICANA, Hazelnut.
- DIRCA PALUSTRIS, Leatherwood.
- FAGUS FERRUGINEA, American Beech.
- SYCAMORE, Plane Tree.
- TECOMA RADICANS, Trumpet Flower.
- TILIA AMERICANA, Linden Basswood.

Can supply a fine lot of clean seed of Sturtia Pentagyna and Mt. Sturtia, per lb., \$1.00, or 10 lbs. for \$8.00 if ordered now.

SEND FOR MY TRADE LIST

Of Tree and Shrub Seeds, Collected Seedlings, etc., now ready.

J. H. H. BOYD,

GAGE, Sequatchie Co., TENN.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns; Otaksa, Red Branched, Thos. Hogg, PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.
 Our representative, MR. J. AUSTIN SHAW, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

1/2 MILLION 1/2 Flowering Shrubs.

Leading varieties, ranging from 1 to 3 feet in height and 1 to 4 years in age. Adapted to all locations.

50,000 LARGE FLOWERING SHRUBS, from 4 to 7-ft., bushy, symmetrical, fine and thrifty. Excellent for new places where immediate effect is desired.

BARGAINS in these by the quantity, as land must be cleared.

THE WM. H. MOON CO., Morrisville, Pa....
 NURSERIES—30 miles from Philadelphia.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

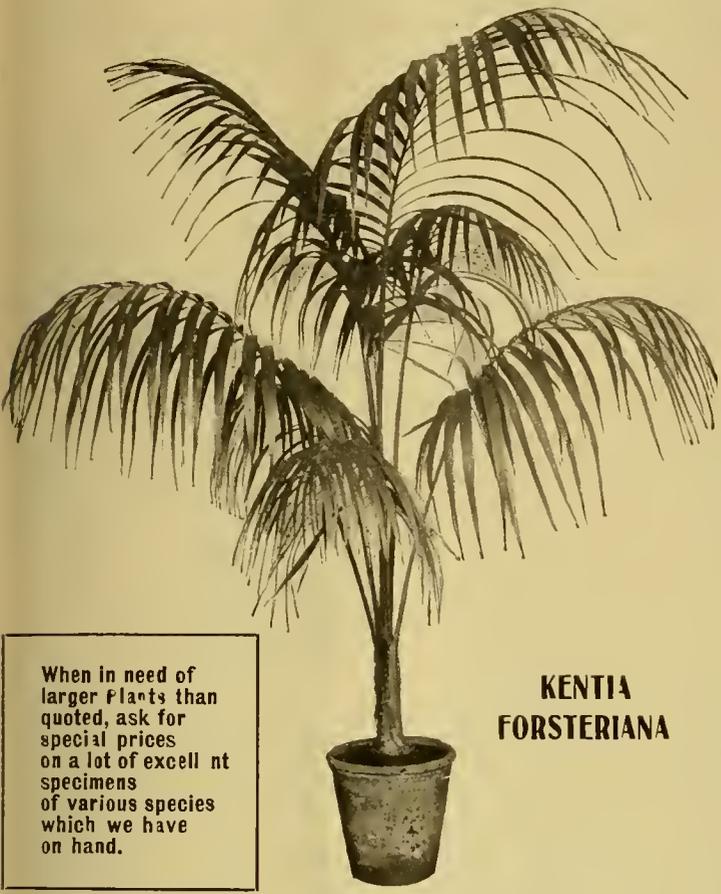
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
 Please mention the American Florist when writing.

CLEMATIS, large flowering, in 20 distinct kinds, 2 yr.; \$2 per doz., \$16 per 100. PAEONIES, in 10 distinct Florists' kinds, from pure white to crimson in all shades, indispensable in their season; \$1.50 per doz., \$10 per 100. Josselyn or Red Jacket GOOSEBERRY, a distinct American variety, a very strong grower, never mildews, a profuse bearer and a sight to see loaded with great crimson berries; strout 2 year plants, \$1.25 per doz., \$7 per 100. 1 yr., 50c per doz., \$4 per 100. **F. A. BALLER,** Bloomington, Ill.

Wittbold's Fall List

OF EXTRA QUALITY DECORATIVE PLANTS

The following quotations offer exceptionally good value. There is nothing quoted which we cannot recommend and ship at once, safely by freight, before cold weather. Our stock is larger than ever and particularly clean, healthy and vigorous; we offer it on its merits.



KENTIA FORSTERIANA

When in need of larger plants than quoted, ask for special prices on a lot of excellent specimens of various species which we have on hand.

Kentias==Latanias

Varieties	Size Pot	Height Inches	No. Leaves	Each	Per Doz.	Per 100	Per 1000
Kentia Belmoreana	2½	8 to 9	3 to 4	\$.25	\$ 1.50	\$12.00	\$100.00
Kentia Belmoreana	3	10 to 12	4 to 5	.40	2.00	15.00	150.00
Kentia Belmoreana	3½	12 to 14	5 to 6	.50	3.00	20.00	180.00
Kentia Belmoreana	4	14 to 16	5 to 7	.75	4.00	30.00	300.00
Kentia Belmoreana	5	16 to 20	5 to 6	1.00	6.00	40.00	400.00
Kentia " strong	5	18 to 24	5 to 7	1.25	7.50	50.00	500.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.50	9.00	60.00	600.00
Kentia " strong	6	26 to 28	6 to 7	2.00	12.00	80.00	800.00
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	13.50	90.00	900.00
Kentia Belmoreana	8	42 to 48	6	3.25	19.50	150.00	1500.00
Kentia Forsteriana	2½	8 to 9	3 to 4	.25	1.50	12.00	100.00
Kentia Forsteriana	3	10 to 12	4 to 5	.40	2.00	15.00	150.00
Kentia Forsteriana	3½	12 to 14	5 to 6	.50	3.00	20.00	180.00
Kentia Forsteriana	4	14 to 16	5 to 7	.75	4.00	30.00	300.00
Kentia Forsteriana	5	20 to 24	5 to 6	1.00	6.00	40.00	400.00
Kentia " strong	5	22 to 26	5 to 6	1.25	7.50	50.00	500.00
Kentia Forsteriana	6	28 to 30	5 to 6	1.50	9.00	60.00	600.00
Kentia " strong	6	30 to 34	6 to 7	2.00	12.00	80.00	800.00
Kentia Forsteriana	8	44 to 50	6	3.25	19.50	150.00	1500.00
Latania Borbonica	2½	8 to 9	3	.60	3.00	20.00	180.00
Latania Borbonica	3	12	5 to 6	1.00	6.00	40.00	400.00
Latania Borbonica	3½	12 to 15	5 to 6	1.15	6.90	47.40	474.00
Latania Borbonica	4	15 to 18	5 to 7	1.25	7.50	50.00	500.00
Latania Borbonica	5	18 to 22	6 to 7	1.50	9.00	60.00	600.00
Latania Borbonica	6	20 to 24	6 to 8	1.60	9.60	64.00	640.00
Latania Borbonica	6	24 to 30	6 to 8	1.75	10.50	70.00	700.00
Areca Lutescens	2½	5 to 6	3 plants in pot	1.00	5.00	35.00	350.00
Areca Lutescens	3½	12 to 14	3	2.00	10.00	70.00	700.00
Areca Lutescens	4	15 to 18	3	2.25	11.25	78.75	787.50

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place = = = = CHICAGO, ILL.

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Adiantum Cuneatum	5-inch	\$2.00	\$15.00
Pteris Cretica Albo-Lineata	2-inch	.50	4.00
Pteris Serrulata Cristata	2-inch	.50	4.00
Pteris Serrulata	2-inch	.50	4.00
Pteris Tremula	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtomium Falcatum	3-inch	1.00	8.00
Cyrtomium Falcatum	4-inch	1.50	10.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Exaltata	6-inch	3.00	20.00
Nephrolepis Bostoniensis	4-inch	2.00	15.00
Nephrolepis Bostoniensis	5-inch	3.00	20.00
Nephrolepis Bostoniensis	6-inch	5.00	35.00

..Asparagus..

Varieties	Size Pot	Doz.	Per 100
Asparagus Plumosus Nanus	2-inch	\$.50	\$ 4.00
Asparagus Plumosus Nanus	3-inch	1.00	8.00
Asparagus Plumosus Nanus	4-inch	1.50	12.00
Asparagus Plumosus Nanus	5-inch	2.00	15.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	6-inch	2.00	15.00
Asparagus Sprengerii	6-inch	5.00	35.00
Asparagus Sprengerii	8-inch	10.00	70.00

The several sizes of Asparagus Sprengerii are especially strong and large value.

Miscellaneous.

Varieties	Each
Araucaria Excelsa, 3 inch, nice plants	\$.50
Araucaria Excelsa, 3½-inch, nice plants	.75
Araucaria Excelsa, 5-inch, nice plants	1.00
Araucaria Excelsa, 5-inch, nice plants	1.25
Ficus Elastica	\$.75
Ficus Elastica	1.00
Ficus Elastica	1.25
Pandanus Utilis	1.00
Pandanus Utilis	2.00
Pandanus Veitchii	18.00

Miscellaneous==Continued.

Varieties	Pot	Height	Leaves	Each	Doz.	100
Cocos Weddeliana	3			.25	2.00	15.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50		
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00	
Sansevieria Java Var., 2-inch, strong plants					dozen	60
Sansevieria Java Var., 3-inch, strong plants					"	1.25
Sansevieria Java Var., 4-inch, strong plants					"	2.00



NEPHROLEPIS WITTBOLDII. Strong runners, \$1 each; \$10 per doz.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 87 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The next meeting of the Bowling Club will be held at 4 p. m., Monday, October 8, at the office of Traendly & Schenck, 38 West Twenty-eighth street.

At St. Louis.

The following is the record of games rolled on the evening of September 24:

Player	1st	2d	3d	4th	5th	6th	Av
Beneke.....	188	216	125	111	149	193	164
Kuehn.....	153	136	130	138	130	121	131
Adels.....	125	140	112	144	123		129
Young.....	104	135	139	119			124

M.

At Denver.

The following is the score of Tuesday, September 18:

Player	1st	2d	3d	4th	Av
Geo. Zimmer.....	149	192	149	221	177
N. A. Benson.....	165	184	147	175	177
C. J. Thiess.....	191	158	156	163	167
Al. Mauff.....		189	135	169	164
Jao. Berry.....	188	151	160	132	157
A. M. Lewis.....	139	189	144	135	151
Neil Jakobsen.....	118	159	170	150	149
Ben Boldt.....	133	132	72	194	132

At Chicago.

The bowlers met last week and decided to invite St. Louis, Buffalo and Milwaukee to send teams to this city during the winter; it will be the especial endeavor to arrange a game for flower show week, November 6-10. On Friday evening, September 21, the following scores were rolled:

Player	1st	2d	Player	1st	2d
Degnao.....	161	154	Hauswirth.....	165	151
Grant.....	169	158	McAdams.....	135	126
Kreitling.....	148	136	Hartshorne.....	122	149
Tiplady.....	146	96	Reardon.....	90	127

Cleveland.

BUSINESS MADE BRISK BY A REVIVAL IN FUNERAL WORK.—THE CONDITIONS OF SUPPLY.—ELECTION AND OTHER NOTES.

Business has been somewhat brisker of late, although arising from an increase in funeral work, it is not necessarily to be taken as the usual fall awakening, for which the season is hardly sufficiently advanced. Flowers do not seem to be over plentiful. Asters, which have been the mainstay of the supply for the past month or more, are very nearly gone. Most of those that are now seen are either the last pickings or come from out of town, excepting some that are coming from A. Schmitt's establishment in Glenville. Mr. Schmitt has several benches of nice, clean, fresh inside-grown stock of Semple's asters in good colors that are just now in their prime. This stock sells at a good figure. Carnations are streaky in supply. Several growers are cutting quantities of flowers, largely Scott and similar shades, and running from very poor to fair in quality. Other growers are cutting practically nothing. The top price seems to be \$1 per hundred. Dahlias are commencing to come in fair quantity and quality. Should the weather hold good, doubtless there will be quantities of them shortly. Chrysanthemums seem to be somewhat late. Lady Fitzwygram

promises to be the earliest, but does not look at all profitable. Very few sorts are grown here earlier than Glory of Pacific, Mme. Bergmann and Marion Henderson.

The Florists' Club election took place September 24. The officers chosen were: President, Wm. Brinker; vice-presidents, Gordon Gray and Isaac Kennedy; secretary, A. H. Graham; treasurer, Herman Hart.

Recent visitors: W. N. Rudd, J. B. Keller and J. N. May. Mr. May was called here by the serious illness of his son, who has been with the Storrs & Harrison Co., of Painesville.

FLINT, MICH.—D. P. Smith has opened a handsome new store at 428 Saginaw street.

CONSHOHOCKEN, PA.—W. S. Harry has been remodeling his flower store and now has one of the most attractive places in town.

CANAAN, CONN.—"The Maples" greenhouses, Mary E. Adams and Louise H. Bragg, is being enlarged by the addition of a house 16x36 for carnations.

KALAMAZOO, MICH.—Van Bochove & Bro. have added to their establishment until they now have 60,000 feet of glass. They are growing roses, carnations, violets and chrysanthemums. Everything on the place is in very healthy condition and they should cut a large amount of fancy stock.

RUTHERFORD, N. J.—Bobbink & Atkins have just completed substantial additions to their greenhouses and storage cellars. They report an extraordinary demand for fancy, named, perennial phloxes. A field of roses including Agrippina, Clotilde Soupert, Pink Soupert and Hermosa is in full flower now and presents a beautiful picture.

CARNATIONS AND VIOLETS.

We have field-grown Meteor, Flora Hill Mrs. Jas. Dean, Bon Ton, White Cloud and Scott Carnations at 4c and 1000 Marie Louise Violets, field-grown, at 2½c.

E. M. & H. N. HOFFMAN, Elmira, N. Y.

BROWALLIA GIGANTEA (True)

2½-in. pots, \$3 per 100. R. cuttings, \$1.50 per 100. Henry Eichholz, Florist, Waynesboro, Pa.

Hedge Plants

- Evergreen { HEMLOCK SPRUCE
NORWAY SPRUCE
AMERICAN ARBORVITAE
- Deciduous { CALIFORNIA PRIVET
OSAGE ORANGE
BERBERIS THUNBERGII
ALTHEAS, Etc.

Various Sizes at Popular Prices.

THE WM. H. MOON CO., Morriville, Pa....

NURSERIES | 30 miles from Philadelphia,
| 60 miles from New York.
PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

80,000 Extra Fine Field-Grown

...CARNATIONS

McGowan, Argyle, Scott, Tidal Wave, Evelina, \$3.00 per 100, \$25.00 per 1000. Flora Hill, \$3.50 per 100, \$30.00 per 1000. Daybreak, \$4.00 per 100. White Cloud, \$5.00 per 100.

MRS. A. M. SCHAFER, 277 Balmoral Ave. CHICAGO.

CARNATIONS..

Field Grown Plants.

F. DORNER & SONS CO.,

LA FAYETTE, IND.

Send for Price List.

DO YOU WANT THEM?

We Have { 1000 Perles,
2000 Mals,
500 Meteors,

All fine stock, to close out. Make us an offer, for we must have the room.

GEO. A. KUHL, PEKIN, ILL.

Field-Grown Carnations Glacier, Evanston, Jubilee, Armazjody, Daos, Meteor, Bridesmaid, Eldorado, Portia, Scott, all others sold. Fancy stock, \$5; ordinary, \$3. Cash. DANA R. HERRON, OLEAN, N. Y.

...AN...

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of \$2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

Dreer's Special Offer of Seasonable Stock



CYCAS REVOLUTA.

We Have a Large Stock of Cycas, All in First-Class Condition, Which Are Certain to Give Satisfaction.

CYCAS REVOLUTA. (Sago Palm.)

Stems 3 to 4 inches high, 6 to 8 leaves, 12 to 15 inches long.....	\$1.00 each.
" 4 to 5 " " 8 to 10 " 18 to 20 "	1.50 "
" 5 " " 12 to 15 " 18 to 20 "	2.00 "
" 6 " " 12 to 15 " 20 to 24 "	2.50 "
" 6 " " 15 to 18 " 22 to 26 "	3.00 "
" 8 " " 18 to 20 " 24 to 26 "	4.00 "
" 8 " " 20 to 25 " 24 to 28 "	5.00 "
" 12 " " 25 to 30 " 24 to 28 "	7.50 "
" 12 " " 25 to 30 " 30 to 36 "	10.00 "
Small stems, with 3 to 4 nice leaves.....	.50 "
Small stems, with 5 to 6 nice leaves.....	.75 "

ARAUCARIA EXCELSA. (Norfolk Island Pine)

Our stock of these is exceptionally large, especially in small and medium sizes, for which there is always a strong demand.

4-inch pots, 6 to 8 inches high, 2 to 3 tiers.....	\$0.50 each.
4 " " 8 " " 3 " " .....	.60 "
6 " " 12 to 14 " " 3 " "	1.00 "
6 " " 16 to 18 " " 4 " "	1.25 "
7 " " 20 to 24 " " 4 to 5 "	2.50 "

FICUS ELASTICA. (Rubber Plant.)

4-inch pots, 10 to 12 inches high.....	\$4.00 per doz., \$30.00 per 100
6 " " 15 to 18 " "	6.00 " 50.00 "
6 " " 20 to 21 " "	9.00 " 75.00 "

AZALEAS.

Our Mr. Eisele, who has just left Belgium, reports that the Azaleas grown for us are in an unusually healthy and fine condition this season. Our shipments are expected to arrive here beginning of October. We handle only the leading sorts which are best adapted to the American trade; all plants are carefully sorted over and packed at our nursery, thus enabling us to guarantee satisfaction. If you have not yet placed your order, we can still book same for fine bushy crowns, well set with buds, as follows:

	Per doz.	Per 100		Per doz.	Per 100
10 to 12 inches in diameter.....	\$4.50	\$35.00	16 to 18 inches in diameter.....	\$12.00	\$90.00
12 to 14 " "	6.00	45.00	18 to 20 " "	25.00	200.00
14 to 16 " "	7.50	55.00	20 to 24 " "	36.00	300.00

Prices on Azaleas include duty, packing and delivery in good condition to any express, freight or steamship line in Philadelphia.

For a full line of DECORATIVE PLANTS and other SEASONABLE STOCK see our QUARTERLY WHOLESALE TRADE LIST.

HENRY A. DREER, ⁷¹⁴ CHESTNUT STREET, Philadelphia, Pa.

Please mention the American Florist when writing

Field-Grown CARNATION PLANTS. READY TO SHIP AT ONCE. . . .

	Per 100	Per 1000		Per 100	Per 1000
CROCKER, extra large.....	\$12.50	\$100.00	G. H. CRANE, 1st size...\$	8.00	\$75.00
G. LORD, 1st size.....	12.00	100.00	" " 2nd size..	6.00	50.00
MARQUIS, 1st size.....	12.00	100.00	GEN. GOMEZ, 1st size..	8.00	75.00
GEN. MACEO, 1st size..	8.00	75.00	MRS. BRADT, 1st size... 8.00	75.00	
			MRS. JOOST, 1st size....\$	8.00	\$75.00
			AMERICA, extra fine....	8.00	75.00
			MELBA, extra large.....	8.00	75.00

ROBT. CRAIG & SON, Market and 49th Streets, PHILADELPHIA, PA.

Please mention the American Florist when writing.

They are Fine;

None better. We offer if unsold on receipt of order.

	100	1000
2100 Bridesmaid.....in 4 -in. pots	\$4.00	\$35.00
1000 " " " " 3 1/2 " "	4.00	35.00
1720 " " " " 3 " "	3.00	25.00
500 " " " " 2 " "	2.00	20.00
300 Brides " " " " 4 " "	4.00	35.00
200 " " " " 3 1/2 " "	4.00	35.00
3500 " " " " 3 " "	3.00	25.00
1200 " " " " 2 " "	2.00	20.00
3000 Meteors....." 3 " "	2.50	25.00

	100	1000
500 Mme. Chatenay...in 4 -in. pots	\$4.00	
100 " " " " 2 " "	2.00	
125 Mme. Cusine....." 4 " "	3.50	
250 Lady Dorothea...." 4 " "	4.00	
150 " " " " 2 1/2 " "	2.50	
2000 Golden Gate....." 2 1/2 " "	2.50	25.00
700 Maid of Honor....." 4 " "	3.00	
700 " " " " 2 1/2 " "	2.00	
5000 Brides and Maids in 3 and 4-in. pots. These are carried over stock; they are good. We offer them at \$12.00 per 1000.		

	Per 100	Per 1000
Latania Borbonica.....3-in. pots,	\$12.00	per 100
Areca Lutescens.....4 " "	20.00	"
Cocos Weddeliana.....3 " "	12.00	"
Asparagus Sprengerii....6 " "	25.00	"
" " " " 4 " "	8.00	"
" " " " 3 " "	6.00	"
" " " " 2 " "	3.00	"

Ficus Elastica, 6-in. pots.....75c to \$1.50 each.
Boston Fern, 8-in. pots....\$25.00 to \$35.00 per 100
Plans are vigorous and unusually fine. Will be carefully packed, and we guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

Please mention the American Florist when writing.

Mayor Pingree Carnations

I have 1000 strong healthy plants of this fine yellow variety. Will close them out at \$3.00 per 100, or \$25.00 for the 1000.

W. W. COLES, KOKOMO, IND.

FOR SALE. CARNATIONS

350 Jubilee, 300 Flora Hill Carnations, \$3.00 per 100.
1000 Lady Campbell Violets, \$3.00 per 100.
ALL FIELD GROWN. CASH WITH ORDER.

ELI CROSS, Grand Rapids, Mich.

A few hundred Daybreak, Scott, Triumph, Argyle, large plants, \$2.50 per hundred.

DAVIS BROS., Morrison, Ill.

Kansas City.

TRADE IS GOOD AND EVERYONE ANTICIPATES A BUSY SEASON.—NEWELL HAS A LARGE DECORATION.

Business in general is good. Albert Barbe has increased his range of glass about 10,000 feet and reports trade prospects excellent. Samuel Murray is at the same old stand and a hard florist to beat. He is putting in a new boiler and getting things ready for winter. Paul Ducret reports business good and he has some very fine stock.

Arthur Newell recently put up a fine decoration at the Hotel Baltimore for a banquet to W. J. Bryan. His apartments were handsomely decorated with American Beauties, Asparagus Sprengeri and flags. The banquet hall decorations were very excellent and much good material was used.

Alfred Broman has added two houses each 20x100 to his range at Independence, giving him a total of 25,000 feet of glass. He wholesales most of his output in Kansas City and is doing so well that he expects to build further additions next year. C. W. S.

NASHVILLE, TENN.—Louis Haury is adding eight houses to his range, giving him increased capacity of 12,000 feet of glass.

Meteors and Perles.

We can make particularly good use of regular consignments of these Roses, and invite correspondence or a personal visit from growers who are looking for good returns on these items.

E. C. Amling,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT-FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph St.

.....CHICAGO.

25,000 Carnations 25,000

FIELD GROWN PLANTS OF THE FOLLOWING VARIETIES:

15,000 Flora Hill.....	\$ 5.00 per 100	2,000 Eldorado.....	4.00 per 100
4,000 White Cloud.....	8.00 "	1,000 Wm. Scott.....	4.00 "
1,000 Mrs. Bradt.....	10.00 "	1,000 Daybreak.....	5.00 "
1,000 G. H. Crane.....	10.00 "	500 Emily Pierson.....	4.00 "
1,000 McGowan.....	4.00 "		

These Plants are all in first-class condition, good size and healthy stock. Write me if you are in need of a large quantity.

CHAS. CHADWICK, Lock Box 11, Grand Rapids, Mich.

80,000

FINE, LARGE, FIELD-GROWN

Carnation Plants

Your money refunded if plants are not satisfactory.

Argyle, Jubilee, Scott, McGowan, Pingree, Evelyn, Tidal Wave,

\$3.00 per 100, \$25.00 per 1000.

Daybreak, Flora Hill, White Cloud, Armazindy, Bradt, Triumph,

\$4.00 per 100, \$35.00 per 1000.

ROSE PLANTS.

METEOR BRIDESMAID BRIDE } Large, strong plants. Per 100, \$2.50; 1000, \$20.00.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

CARNATION PLANTS

SCOTT MCGOWAN DAYBREAK PORTIA PINGREE ELDORADO CRANE AMERICA MACED GOMEZ MELBA WHITE CLOUD

FOR CASH ONLY.

W. C. GOODRICH, West Troy, N. Y.

20,000 CARNATIONS 20,000

EXTRA FINE, FIELD GROWN.

FLORA HILL.....	\$ 5.00	Per 100
WHITE CLOUD.....	6.00	
DAYBREAK.....	4.00	
WM. SCOTT.....	4.00	
MARQUIS.....	12.00	
G. H. CRANE.....	8.00	
GEN. GOMEZ.....	8.00	
MRS. BRADT.....	8.00	
GOLD NUGGET.....	6.00	
TRIUMPH.....	4.00	
VICTOR.....	4.00	

W. A. WETTLIN, Hornellsville, N. Y.

SURPLUS CARNATIONS.

FLORA HILL, WHITE CLOUD, TRIUMPH, DAYBREAK, \$5.00 per 100. AMERICA, CRANE, MELBA, BRADT, \$6.00 per 100.

Cash with order. W. Sabransky, Kenton, O.

CARNATIONS FIELD GROWN

1500 FLORA HILL, 3000 LIZZIE M'GOWAN, 1500 WM. SCOTT, 1000 TIDAL WAVE. \$3 00 per 100. \$25.00 per 1000.

CASH WITH ORDER. CHAS. WIFFIN, DES PLAINES, ILLINOIS.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS.

Send for prices of thirty-five best new and standard varieties.

GEO. HANCOCK & SON, Grand Haven, Mich.

Daybreak Carnation

2000 fine plants, \$5.00 per 100, or \$75.00 for the lot.

Also 400 ADIANUM CUNEATUM Ferns, from 6-inch pots, \$10 per 100. Cash with order.

E. B. SUTTON, JR., Babylon, L. I.

CARNATIONS

SURPLUS STOCK.

McGowan.....	\$3.50 per 100
Evelina.....	4.00 "
Alaska.....	4.00 "
Lady Emma.....	4.00 "
Jubilee.....	4.00 "
Victor.....	4.00 "
Triumph.....	4.00 "
Mayor Pingree.....	5.00 "
Peschblow.....	5.00 "
Albertini.....	5.00 "
Red Jacket.....	5.00 "

Good Value Guaranteed.

JOHN WALKER,

Successor to The E. Hippard Co. Youngstown, O.

MARQUIS

CARNATIONS, field-grown, \$10 to close balance of stock.

L. E. MARQUISEE, Syracuse, N. Y.

8000 Carnations

Good, healthy plants.

G. H. Crane, per 100, \$7.00	Pingree, per 100, \$3.50
Mrs. F. Joost, " 5.00	Mary Wood, " 3.50
Daybreak, " 4.00	White Cloud, " 6.00
Mrs. Jas. Dean, " 4.00	Flora Hill, " 4.00

CARL RAUTH, Springfield, Ill.

CARNATIONS

EXTRA FINE JOOST

\$40.00 per thousand to close out. Others all sold.

Isaac A. Passmore, Route 7, West Chester, Pa.

30,000

Field-Grown Carnation Plants

WHICH MUST BE SOLD AT ONCE.

Streak clean, healthy, extra fine roots and guaranteed in every way. Low prices. Write immediately, stating what you need.

UNION ST. GREENHOUSE CO., Geneva, N. Y.

HEADQUARTERS FOR

ERICAS,

Palms, Decorative and Flowering Plants.

For immediate delivery we have Phoenix Canariensis from \$2.00 to \$8.00 each.

Standard Bay Trees	Diam. of Crown	Per Pair
" " "	21 to 26 inches	\$12.00
" " "	26 to 28 "	15.00
" " "	30 to 32 "	18.00
" " "	32 to 34 "	20.00
" " "	34 to 36 "	22.00
" " "	36 to 38 "	25.00

Larger plants up to \$20.00 each. Pyramids, very large, \$25.00 per pair.

Kentia Belmoreana and Forsteriana, small plants from 15c to 25c each; larger plants from 50c to \$25.00 each, all sizes. Areca Lutescens, \$3.00 and \$4.00 per doz. Larger plants, \$1.50 to \$2.00 each.

Livistona, \$3.00 per dozen.

Latania Borbonica, from 50c to \$1.50 each.

Boston Ferns from 50c to 75c each.

Araucaria excelsa from 75c to \$3.00 each.

Araucaria glauca from \$1.50 to \$3.00 each.

Araucaria compacta robusta, \$3.00 each.

Rubbers 35c to 75c each.

Cyclamen persicum giganteum, \$3.00, \$4.00, \$5.00 and \$6.00 per dozen. Plants in 4 and 5-inch pots, \$25.00 per 100.

Ardisia crenulata, red and white berried, \$6.00, \$9.00, \$12.00, \$15.00, \$18.00 and \$24.00 per dozen.

Crimson Rambler, grown in pots, large plants for making Pyramids, \$9.00 per dozen.

Oranges, well-fruited, from \$1.00 to \$5.00 each.

Peruvian Peppers, \$6.00, \$1.00 and \$12.00 per dozen.

Chrysanthemums in pots, \$6.00, \$7.00, \$8.00 and \$9.00 per dozen.

Bougainvillea Sanderiana, plants from \$1 to \$5.00 each.

AZALEAS WELL BUDDFD, \$3.00, \$5.00, \$7.50 and \$10.00 per 100; larger plants up to \$5.00 each.

Lilacs, best white, excellent and very large plants, variety Marie LeGray, \$50.00 to \$75.00 per 100; well-budded and home-grown.

Ericas for Delivery from October 1st.

Erica fragrans, Christmas variety, small plants, \$10.00 per 100; two-year-old, set with buds, ready for Christmas forcing, \$50.00, \$75.00 and \$100.00 per 100. Larger plants up to \$5.00 each
Erica Vilmoreana, well set with buds for Christmas, \$50.00 and \$75.00 per 100. Small plants \$15.00 per 100.

Varieties which will bloom after Christmas and for Easter.

Erica cupressina, the best, \$75.00 and \$100.00 per 100.

" Mediterranea, \$6.00 per dozen.

" pers. alba \$6.00 and \$9.00 per dozen.

" rosea, \$6.00 and \$9.00 per dozen.

Small plants for ferneries, etc., which will bloom this fall and winter.

Erica pers. rubra, \$10.00, \$15.00, \$20.00 and \$25.00 per 100, 3 1/4-inch; pink.

Erica gracilis autumnalis, \$20.00 per 100; pink.

Erica regerminans \$10.00 per 100; white.

" pers. alba, \$8.00, \$10.00 and \$15.00 per 100.

" rosea, \$8.00, \$10.00 and \$15.00 per 100.

Cash With Order From Unknown Parties.

When ordering add to a \$10.00 order 50c for packing; \$25.00, \$1.00; \$50.00, \$1.50; \$75.00, \$2.00; \$100.00, \$2.50.

ANTON SCHULTHEIS,

P. O. Box 78,

COLLEGE POINT, QUEENSBOROUGH, NEW YORK CITY.

100,000 FERNS IN FLATS - - -

At One Cent.

Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginellas, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

BOSTON FERN SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

150,000 CARNATION PLANTS

Large, strong Plants, in excellent health and sold with our guarantee of perfect satisfaction or money refunded.

	100	1000
WM. SCOTT	\$3.00	\$25.00
LIZZIE MCGOWAN	3.00	25.00
ARMAZINDY	3.00	25.00
EVELINA	4.00	35.00
MRS. BRADT	6.00	50.00
EVANSTON	6.00	50.00
NIVEA, VICTOR	3.00	
JUBILEE	5.00	

PETER REINBERG,

51 Wabash Avenue,

CHICAGO, ILLINOIS.

FIELD-GROWN

CARNATIONS

LARGE, HEALTHY PLANTS, CLEAN AND READY FOR IMMEDIATE PLANTING.

	Per 100	Per 1000		Per 100	Per 1000
Triumph	\$5.00	\$40.00	Jubilee	\$3.50	\$30.00
Flora Hill	5.00	40.00	Bon Ton	3.50	30.00
White Cloud	5.00	40.00	Lizzie McGowan	3.50	30.00
Evelina	3.50	30.00	Armazindy	3.50	30.00

WIETOR BROS.,

51 WABASH AVE.

.....CHICAGO.

50,000 CARNATION PLANTS

This stock is in elegant condition, strong, clean and perfectly healthy; sure to give satisfaction. Money refunded if not just as represented.

	Per 100	Per 1000		Per 100	Per 1000
MCGOWAN	\$3.00	\$25.00	NANCY HANKS	\$3.00	\$25.00
SCOTT	3.00	25.00	FLORA HILL	4.00	35.00
EVELINA	3.00	25.00	WHITE CLOUD	4.00	35.00
PORTIA	3.00	25.00	TRIUMPH	4.00	35.00

SPECIAL PRICES ON LARGE QUANTITIES.

J. A. BUDLONG,

37-39 Randolph Street,

CHICAGO, ILL.

4 Acres Field-Grown Carnation Plants, 120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and are packed light by our improved method of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINGREE	BUTTERCUP	MRS. C. M. BRADT
	\$1.50 per dozen. \$8.00 per hundred.	
CRIMSON SPORT	ARMAZINDY	JUBILEE
DAYBREAK	WHITE CLOUD	MELBA
TRIUMPH	\$1.25 per dozen. \$6.00 per hundred.	
MCGOWAN	L. L. LAMBORN	SWEETBRIER
FLORA HILL	PORTIA	MRS. FISHER
WM. SCOTT	DOROTHY SWEET	C. A. DANA
	\$1.00 per dozen. \$5.00 per hundred.	

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring and freedom of flower by any others grown.

50 cts. per 100 \$4.00 per 1000.

J. L. DILLON, BLOOMSBURG, PA.

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3 1/2-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch. MARIE LOUISE VIOLETS, from 2 1/2 and 3-inch pots, \$2.50 to \$3.00 per 100; \$25.00 to \$30.00 per 1000.

A. S. MacBEAN, LAKEWOOD, N. J.

Denver.

MUCH INTEREST IN THE MEETINGS OF THE NEWLY FORMED FLORISTS' CLUB.

There is a great deal of interest in the Denver Florists' Club. Not only is there much enthusiasm over the big flower show planned for November, but the bi-weekly meetings attract a good attendance and result in lively and beneficial discussions. At the last meeting, aside from show preparations, which are moving apace, discussion turned upon a flower market similar to those conducted in Cincinnati and other cities and upon the question of wages paid to employes. It was the consensus of opinion that a flower market would prove a great stimulant to trade and it was voted as the will of the society that its influence be thrown into the matter of instituting such an enterprise. It was the opinion of all those present that florists are paid less than men of equal capability charged with equal responsibility in other lines of work and various causes and remedies were suggested.

There were exhibits of roses from the Mauff greenhouses, old-fashioned flowers from Mr. McGregor and of cockscombs from the parks.

BAY CITY, MICH.—John Irvine & Sons will build a range of ten modern houses on their new property on the M. C. R. R., one mile southeast of this city the coming season. A switch from the main track to the boiler house will make coal-ing easy.

Rose Plants.

First class, healthy plants. To close out we quote the following low prices:

500 Beauties.....	3-inch,	\$4.00 per 100
1000 Perles.....	3 "	3.00 "
1000 Meteors.....	3 "	2.00 "
800 Bridesmaids.....	3 "	3.00 "
400 Brides.....	3 "	3.00 "

CARNATION PLANTS.

Strictly first-class and in fine shape. Mrs. Bradt, \$5.00 per 100. White Cloud, Flora Hill, Gold Nugget, Evanston, \$4.00 per 100. Wm. Scott, Portia, Victor, \$3.00 per 100

A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent. 60 Vesey St., N. Y.

Hardy Herbaceous AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.

The Blue Hill Nursery, So. Braintree, Mass.

CORRESPONDENCE SOLICITED.

Cyclamen Giganteum in all the colors.

Fine plants, well set with buds. They will make a fine size for Christmas. } \$8 PER 100.

Money Order Office EDWIN LONSDALE, WYNDMOOR, PA. Sla. H. Philadelphia. (Near Phila)

TO CLOSE OUT AT ONCE.

2000 IMPERIAL, at.....\$35 per 1000.
2000 MARIE LOUISE, at.....\$25 per 1000.

Van Aken Bros., Coldwater, Mich.

Headquarters for Lorraine Begonias

WE OFFER THE FOLLOWING FOR IMMEDIATE DELIVERY:

BEGONIA GLOIRE DE LORRAINE.

Fine, strong plants from 2 1/4-in. pots, \$15.00 per 100; 3 1/4-in. pots, \$25.00 per 100.

BEGONIA GLOIRE DE LORRAINE NANA COMPACTA.

Fine strong plants from 2 1/4-in. pots, \$15.00 per 100; 3 1/4-in. pots, \$27.50 per 100. We especially recommend the 3 1/4-in. size as being exceptionally well rooted and of strong, healthy growth; almost ready for a shift to a 4-in. pot. These plants should find a ready sale at Christmas as they will be in full flower at that time.

BEGONIA CALEDONIA, the White Lorraine.

Plants from 3 1/4-in. pots, for delivery November 1st., \$5.00 each. We are the only firm in America offering this fine new novelty this year.

R. & J. FARQUHAR & CO., 16 and 19 South Market St., BOSTON, MASS.

JOSEPH HEACOCK, WYNCOTE, PA.,

OFFERS THE FOLLOWING Palms Free from INSECTS and DISEASE of any kind.

They cannot fail to Give Satisfaction. Should be seen to be appreciated. A Trial Order is Solicited.

ARECA LUTESCENS.		
3 plants, 6-inch pot, 24-inch.....		\$12.00 per dozen; \$100.00 per 100
3 " 8 " 30 ".....		30.00 "
3 " 8 " 36 ".....		36.00 "
KENTIA BELMOREANA.		
4-inch pot, 5 to 6 leaves, 15 inches high.....		\$ 4.50 per dozen; \$ 35.00 per 100
6 " " 6 " 24 ".....		15.00 " 125.00 "
6 " " 6 to 7 " 26 ".....		18.00 " 150.00 "
8 " " 6 to 7 " 30 to 32 inches high.....		\$3.00 each.
8 " " 7 to 8 " 36-inch.....		4.00 "
KENTIA FORSTERIANA.		
4-inch pot, 4 to 5 leaves, 15 inches high.....		\$1.50 per dozen; \$35.00 per 100
8 " " 6 " 36 to 40 inches high.....		\$3.00 each, \$36.00 per dozen.
8 " " 6 " 48 to 50-in.....		4.00 48.00 "

All Measurements Are from Top of Pot.

Chinese PRIMROSES

15,000 finest large flowering fringed.....1000, \$15.00; Per 100, \$1.75
Obconica grand., fimbriata, rosea and Forbesi..... 2.00
Asparagus Sprengerii, \$3.00 per 100. Plumosus..... 4.00
Pansy Plants October 15, large flowering.....100, 50c; 1000, \$3.00

Cash Please.

JOSEPH H. CUNNINGHAM, Delaware, Ohio.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J. Orchid Growers and Importers.

BOSTON FERN.

2 1/2-in. pots, \$5.00 per 100; 3-in. \$8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY, West Grove, Pa.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

Choicest Stock, Lowest Prices.

Rosea—XX strong, in Brides, Meteors, Maids, Golden Gate and Perle, 3-3 1/2-in. pots, 14 to 18 inches high, only \$3.00 per 100, cheap at \$6.00; 10,00 to sell.

Carnations—All grown from prize-taking stock, strong, healthy plants; Flora Hill, McGowan, Scott, Tidal Wave, Morello, Pingree, only \$3.00 per 100; 15,000 to sell.

Geraniums—5000 Bruanti, Heteranthe, LaFavorite, White Swau and American Wonder, \$1.50 per 100; strong 2 1/4-in.

Asparagus Sprengerii—XX strong, 2 1/4-in., ready for 4-in., only 5c.

Ageratum—Princess Pauline, strong 2 1/4-in. \$1.50 per 100.

Crimson Rambler Roses—Field-grown, canes three to four feet, only \$10.00 per 100.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

BABY PRIMROSE

Out of 2 1/2-in., ready for 4-in., \$2.00 per 100.

Henry Eichholz, Florist, Waynesboro, Pa.

BOSTON FERNS,

Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$20.00-\$25.00 per 100. Also fine plants in 5-6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100, \$4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, \$8.00 per 100.
Asparagus Sprengerii, 2-in., \$6.00 per 100.
Kentia Belmoreana, 2½-in. pots, \$10.00 per 100; 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00.

Send for Particulars.

BOBBINK & ATKINS
RUTHERFORD, N. J.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2½-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early From

Money Order Office,
Sta. H, Philadelphia.

EDWIN LONSDALE,
Wyndmoor,
(Near Phila.) Pa.

N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

Field-Grown VINCA VAR. VINES

Per 100

First size, from 4 to 6 long vines to plant, \$4.00

Large size, " 7 to 10 " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,
No. 59 State St., WATERTOWN, N. Y.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz.
GERANIUMS, S.-A. Nutt and others, 3-in., \$4 per 100.
NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.

ASPARAGUS PLUMOSUS, 2½-in., \$5 per 100, \$40 per 1000.
ASPARAGUS SPRENGERII, 2½-inch, \$4.00 per 100; \$30.00 per 1000.

SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. **Carl Hagenburger, W. Mentor Ohio.**

VIOLETS Field-grown Campbells and M. Louise, \$4.00 per 100, \$35.00 per 1000.

ROSES, Meteors, Perles, Maids and Brides; extra fine stock, 3-in., \$3.00 per 100, \$25.00 per 1000. Discount on large lots.

CARNATIONS, a bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for price list.

CRABB & HUNTER, Grand Rapids, Mich.

PÆONIES.

We have 100 named double varieties, selected for florists' use, all good for cut flowers.

1 each of 100 varieties, \$15.00
1 each of 50 varieties, 6.00
1 each of 25 varieties, 3.00

Standard Red, Pink and White, per dozen, \$1.20

INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.

Special Offer until October 1st

PHOENIX CANARIENSIS,

Elegant stock; fully characteristic. 4½-inch pots, \$25.00 a hundred; 5½-inch pots, \$35.00 a hundred. This is surely a bargain.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

STRONG FIELD-GROWN PLANTS OF

Farquhar Violets.

Free from disease of any kind.
\$6.00 per 100; \$50.00 per 1000.

JOHN McFARLAND, North Easton, Mass.

40,000

Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—\$35, \$50, \$75 and \$100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter, \$35 per 100 14 to 16 inches in diameter, \$50 per 100
12 to 14 inches in diameter, \$45 per 100 16 to 18 inches in diameter, \$12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in., \$5 per 100 Strong 3 in. pots, \$8 per 100
Asparagus Sprengerii—2½ in., \$5 per 100 Asparagus Sprengerii—3 in., \$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants, \$40 per 1000 Strong 4 in. pot plants, \$15 per 100
Strong 5 in. pot plants, \$4 per dozen

ROSES.

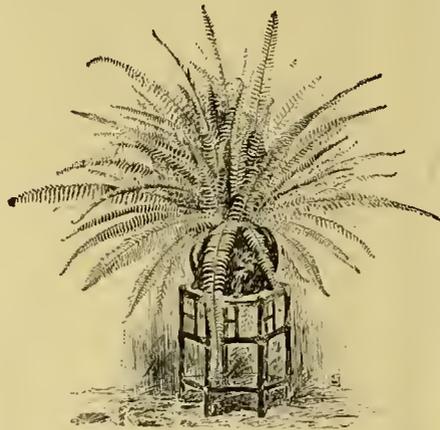
Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long, \$12 per 100
\$100 per 1000.

Hybrid Perpetual—Large assortment of best forcing varieties, \$10 per 100
\$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

CHEAP TO CLOSE OUT.



Boston Ferns, the true variety, from 2½-in. pots \$3 per 100, \$25 per 1000.

Asparagus Plumosus Nanus, from 2½-in. pots, \$3 50 per 100, \$30 per 1000.

Asparagus Sprengerii, from 2½-in. pots, \$2.50 per 100, \$20 per 1000.

Acalypha Sanderi, from 2½-in. pots, \$4 per 100, \$35 per 1000.

Acalypha Sanderi, from 3-in. pots, strong plants, \$6 per 100.

Crotons, 12 best bedding varieties, from 2½-inch pots, elegant plants, \$3 per 100, \$25 per 1000. These will be fine to shift on for next year's bedding.

Ponderosa Lemon, largest Lemon grown, bears fruit weighing two pounds and over. Is bound to become a popular plant. Fine plants from 2½-inch pots, \$1 per doz., \$7 per 100.

Calla Lilies, 1¼ to 1½-in. diameter, 75c per dozen, \$5 per 100.

Calla Lilies, 1½ to 1¾-in. diameter, \$1.25 per dozen, \$7 per 100.

The two new **Russelias, Lemoinei Multiflora** and **Lemoinei Elegantissima,** 60c per doz., \$4 per 1000.
Bougainvillea Sanderiana, from 2½-inch pots, \$6 per 100.

Weeping Lantanas, 2½-inch pots, \$2 per 100, \$18 per 1000.

Otaheite Orange, from 2½-inch pots, \$3 per 100, \$25 per 1000; from 3-in. pots, \$4.50 per 100, \$40 per 1000.

Send us your list of Roses for quotation. Our Fall Trade List now ready. Write for it.

The GOOD & REESE CO., LARGEST ROSE GROWLRS Springfield, O.
IN THE WORLD.

Please mention the American Florist when writing.

CHAMAEROPS, extra 18-24-inches high, 4-6 character leaves, \$12.00 per 100.

PHOENIX CANARIENSIS, from 2-inch pots, very strong, \$6.00 per 100.

Large, very fine **PHOENIX, DRACAENAS** and **CHAY-AEROPS,** from 4 to 15 feet high, in boxes or from open ground. Price on application.

Two-year-old **HIPPEASTRUM** (Amaryllyis), of a very fine strain, \$10.00 per 100.

CASH WITH ORDER PLEASE.

A. ROEDDER, Shorb, near Los Angeles, Cal.

Pansies and Daisies.

Giant Trimardeau and Roemer's Superb Prize strains, 50c per 100 postpaid; \$3 per 1000, \$12.50 for 5000, express. Our large flowering strain, 40c per 100, \$2.50 per 1000, \$10.00 for 5000.

Hardy Daisies, Snowball and Longfellow, 50c per 100, \$3.00 per 1000, \$12.50 per 5000.

Carex Japonica Variegata, 2-in., fine, \$3 per 100.

CASH PLEASE.

BYER BROS., CHAMBERSBURG PA.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

ASPARAGUS PLUMOSUS NANUS, Per 100

Strong plants from 2½-in pots, ready for a shift, \$5.00

BEGONIA REX, Fine stock in 3-in. pots, ready for a shift, in good assortment, 6.00

CYCLAMEN, Strong, bushy plants in 2½-in. pots, finest strain, three colors, 4.00

CHINESE PRIMROSES, Glohosa type, best strain grown. Pink and red, 2½-in. pots, 2.50

White, pink and red, 3-in., ex. strong, 5.00

BABY PRIMROSE, Extra fine, from 2½-in. pots, ready for a shift, 4.00

SWEET ALYSSUM, Giant white, extra fine for immediate planting, 3-in. pots, 3.00

VINCA MAJOR VARIEGATA, Very strong field-grown clumps, with 6 to 10 long growths, 6.00

NATHAN SMITH & SON, Adrian Mich.

VIOLETS, MARIE LOUISE, strong, field-grown

clumps, perfectly healthy, \$1.00 per 100; \$35.00 per 1000. House-grown, equally healthy, \$3.50 per 100; \$30.00 per 1000. Cash, please.

Sample 10 cts.

SMILAX, 2 and 2½-inch, strong, \$5.00 per 1000; 75 cents per 100.

TRANSPLANTED CELERY PLANTS, strong, well-hardened, \$1.00 per 1000, to close them out. \$8.50 buys 10,000.

R. KILBOURN, CLINTON, NEW YORK.

Buffalo.

COOLER WEATHER BRINGS A REVIVAL OF TRADE.—DECORATIONS IN DEMAND.—PERSONAL JOTTINGS.

A fall in temperature has made trade a little better than it had been but stock has not improved to any considerable degree. Beauties and Kaisers are the best. Carnations are only fair and scarce. Gladioli and asters are filling the void. Several department and other stores have been using pretty fair decorations and there are a number of weddings in sight.

At a recent meeting of the Buffalo Florists' Club committees were appointed to take hold of the preliminary convention work. The trophies won at New York are to be displayed in a large case at Kasting's.

The office of Wm. Scott was burglarized a few evenings ago. Postage stamps and a few dollars in change were missed.

Palmer & Son have had a very attractive window, orchids and Liberty roses predominating.

Will Grever, who is with Adams, has been in New York this week. W. A.

COLUMBUS, Miss.—H. E. Mitting, from Illinois, has succeeded Mr. Hughes in charge of John R. Laws' greenhouses, where preparations have been made for a heavy fall business.

PRIMROSES

Three inch pot plants, Roemer's best mixture, \$4.00 per 100.

SMILAX

Second size plants from 2 1/4-inch pots, \$1.00 per 100.

CARNATIONS

Good second size plants of Ethel Crocker. Send for sample and price.

ALBERT M. HERR
LANCASTER, PA.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors; a splendid stock of plants from 2 1/4-in. pots, \$5.00 per 100, \$40.00 per 1000; from 3-in. pots, \$7.00 per 100, \$60.00 per 1000.

CHINESE PRIMROSES—(fringed) single and double, in the finest market varieties; from 2 1/4-in. pots, \$2.50 per 100.

BEGONIA REX—(rooted cuttings). I have a most beautiful collection of this justly popular pot plant in 25 very handsome varieties, assorted, \$2.00 per 100; mixed, \$1.50 per 100.

ALL STOCK GUARANTEED A No. 1.
PAUL MADER, East Stroudsburg, Pa.

Knives --- Hoseenders.

Something new in Budding, Grafting and Pruning Knives. Sole agent for S. Kunde & Son. Send for illustrated price list. Best Hoseender on earth, made of brass. Sample 10c, postpaid.

JOS. F. RUZICKA, Madison, N. J.

STUDER PAYS FREIGHT

On a sample order of my excellent stock of **PALMS, FERNS** and other **DECORATIVE PLANTS.** Send for Price List.

N. STUDER, Anacostia, D. C.

At it Again!

Every Tuesday and Friday during October,
PALMS, CARNATIONS,
And other seasonal stock
AT AUCTION

On October 2d a special sale, including 1000 BOSTON FERNS, 6-in. pots; 400 large KENTIAS, LATANIAS, SEAFORTHIAS and ARECAS in 6 to 10-inch pots.

THIS IS A RARE CHANCE. IF YOU CANNOT ATTEND PERSONALLY SEND US A LIST OF YOUR WANTS AND YOUR BIDS.

N. F. McCarthy & Co.

84 Hawley St., BOSTON, MASS.
CORRESPONDENCE SOLICITED.



Some Cheap Plants FOR CASH.

- | | |
|--|---------|
| | Per 100 |
| 500 Choice Mixed Ferns, 4-in. | \$8.00 |
| 20,000 Pansy Plants, Giant Fancy Flowering, 1 1/2 New Ruffled Sorts, per 1000, | 4.00 |
| 5,000 Flowering Begonias, 10 varieties, named, 2 1/2-in. | 1.50 |
| 10,000 Geraniums, 40 varieties mixed, June rooted, 2 1/4-in. | 1.50 |
| 200 Boston Ferns, extra strong 5-in. | 10.00 |
| 2000 Field-grown Roses, Bride, Bridesmaid and Perle, | 5.00 |
| 2000 Field-grown Geraniums, 40 var. mixed | 5.00 |
| 1000 " Coleus, 10 varieties, named | 5.00 |
| 5000 " Jerusalem Cherry, hundreds of berries, 2-ft. diam., bushy, fine. | 10.00 |
| 10,000 Chinese Primulas, blue, white, pink and red, separate, Barraud's strain, fine. | 1.50 |

THE MORRIS FLORAL CO., MORRIS, ILL.

Please mention the American Florist when writing.



The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtnerei Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller - Erfurt.

VEGETABLE PLANTS

- CABBAGE**—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.
- LETTUCE**—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.
- PARSLEY**—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).
- CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

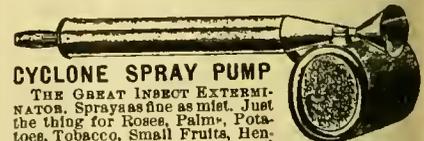
PERLES, MAIDS, 3-INCH, ...SELECT.

Choice, strong stock, which will largely make up for late planting. They will pay for themselves in a few weeks. Absolutely sure to satisfy.

PERLES, \$4.00, worth \$6.00.
MAIDS, \$3.50, worth \$5.00.

Write for a very special low price on 300 or more.
WANTED—400 McGowan, strong, and 300 strong pot-bound 3 or 3 1/2-in. Smilax in exchange.

W. H. GULLETT & SONS, LINCOLN, ILL.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all polished copper, \$1.00. Cash with Order. Weighs, boxed, about 5 pounds. Buyer pays express.
STEVENS & CO., 107 Chambers St., N. Y. City.

..PURE..



Sheep Manure

Dry, pulverized, in car lots, \$8.00 per ton. Dry, but not pulverized, \$4.00 per ton. In natural or green state, \$1.50 per ton; f. o. b. cars, Kirkland, Ill.

ADDRESS
MONTANA FERTILIZER CO., Elgin, Ill., U. S. A.



Invald Appliance Co., MANUFACTURERS OF COLUMBIA PLANT TUBS

"The kind that never fall apart."
If your seedman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
150-160 WOODR ST., CHICAGO, ILL.
TELEPHONE NORTH 825.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white coruscopa vases) \$2.50. No. 2.—Heavy 4 ft. rod brass and nickled with three clasps for 5 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Floriet, Philadelphia, Penn

American Florist Advts.

Mean More Business.

WE ARE READY

For the coming season with the most complete and comprehensive line of "Florists' Supplies" to be found in America.

Being one of the LARGEST IMPORTERS AND MANUFACTURERS of

Florists' Supplies

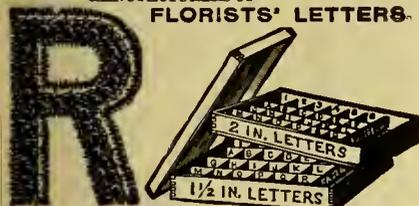
We invite every Florist to step in and see our stock, if at all possible, or write to us for our HANDSOME NEW ILLUSTRATED CATALOGUE, which will be found complete and up-to-date. A few of our specialties are

IMPORTED CYCAS LEAVES (dull and glazed), our FAMOUS WHEAT SHEAVES, IMMORTELES, CAPE FLOWERS (all colors), NOVELTIES IN FANCY AND PLANT BASKETS, for every occasion; POT COVERS, PEDESTALS, and EVERYTHING that is needed by the trade will be found at "HEADQUARTERS."

M. RICE & CO., Importers and Manufacturers,
918 Filbert St., PHILADELPHIA, PA.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x9x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.
Please mention the American Florist when writing.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 62, 64 and 66 N. 4th St., PHILADELPHIA, PA.
Please mention the American Florist when writing.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER,
DUNNE & CO., 34 West New York, 30th St. New York.
HORTICULTURAL SUPPLIES.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC. TO N. STEFFENS AND STEFFENS BROS.



PURE RAW BONE MEAL Put up especially for our trade. For Roses and Carnations nothing equals it. Use it on Chrysanthemums and you will win the prize at your flower show for the best bloom. 10 pounds, 40c; 25 pounds, 75c; 50 pounds, \$1.25; 100 pounds, \$2.00; 1 Bag, 200 pounds, \$3.75.

THE VAIL SEED CO., Indianapolis, Ind.

LIQUID PLANT FOOD
For Greenhouse Cultivating.
EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

SIGMUND GELLER

Importer and Mr. of
Florists' Supplies
Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.
108 W. 28th St., near 6th Av., NEW YORK.

Imported Prepared
CYCAS LEAVES
LOWEST PRICES.
RECEIVING REGULAR SHIPMENTS.
Florida Natural Products Co.,
P. O. Box 273, Indianapolis, Ind.

Nikoteen
Aphis Punk
It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skahcura Dip Co.
St. Louis—Chicago.

SMILAX STRINGING Made Easy by the use of
MEYER Green SILKALINE
JUST THE SHADE OF THE FOLIAGE.
Samples and prices free.
JOHN C. MEYER & CO.,
80-84 Kington St. BOSTON, MASS.
For sale by leading Florists.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Flushing, N. Y.

A. L. Thorne has recently completed another sidehill house, 40x150, and it is now planted with Bride roses. Like the older corresponding house, it contains ten benches and its addition to the range, already large, brings the establishment into the front line among the up-to-date places, the influence of which is felt in the daily existence of the flower trade of New York. A bench of Liberty shows this new rose in a very favorable light, the buds being very rich colored and the growths vigorous. No finer house of American Beauty can be found anywhere than that of Mr. Thorne. It is absolutely without a flaw and beyond criticism. Carnations are being grown to some extent this year, for the first time. An adiantum, a sport from A. cuneatum, of much larger growth than the type, is being watched with interest as is also a thornless sport from the Bride rose, with slender, willow-like foliage. Watch out for Thorne's Thornless Bride. That name should be a winner.

RHINELANDER, Wis — Peter Philipp, who is a cousin of Nick Grievelding, the successful florist at Merrill, has purchased property here upon which he proposes to at once erect a greenhouse establishment.

KENNETT SQUARE, PA.—There is little surplus carnation stock in Chester county this year. Some growers are short and will use up whatever spare material their neighbors may have, so that distribution from this locality will be mainly local this season. Nothing particularly new is offered.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWAHN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.

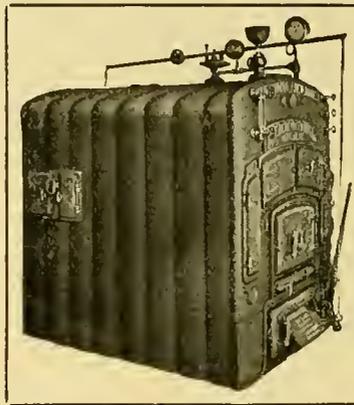


GEO. KELLER & SON,
MANUFACTURERS OF

Flower Pots.

Before buying write for prices.
381-383 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

THE CONVENTION WINNER



The FURMAN BOILER

(NEW MODEL.)

Awarded the Certificate of Merit

— AT THE —

NEW YORK S. A. F. CONVENTION.

SUPERIORITY FOR

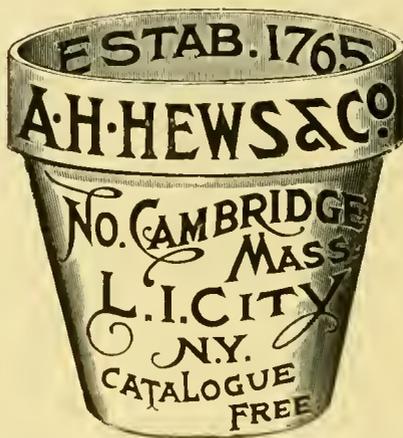
GREENHOUSE HEATING.

We make a specialty of Greenhouse Heating and invite your investigation of our system. Special Florists' Catalogue sent free upon request.

Heat your houses evenly and with economy. USE FURMAN BOILERS.

ADDRESS THE HERENDEN MFG. CO.,
20 Vine St, GENEVA, N. Y.

BRANCHES: 120 High St., BOSTON.
39 Cortlandt St., NEW YORK.
Reimer & Radmer, Agents,
411 State St., MILWAUKEE.



The Bottomless Pot

Pat'd,
MORE ESPECIALLY FOR VIOLET
AND CARNATION CULTURE,
ALSO

THOSE RED POTS

"Standards."

Azalea Pots, Fern Pots, Bulb Pans.

DETROIT FLOWER POT M'F'Y.

Established 1853. DETROIT, MICH.

P. O. Address, 490 HOWARD ST.

HARRY BALSLEY, Traveling Representative.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

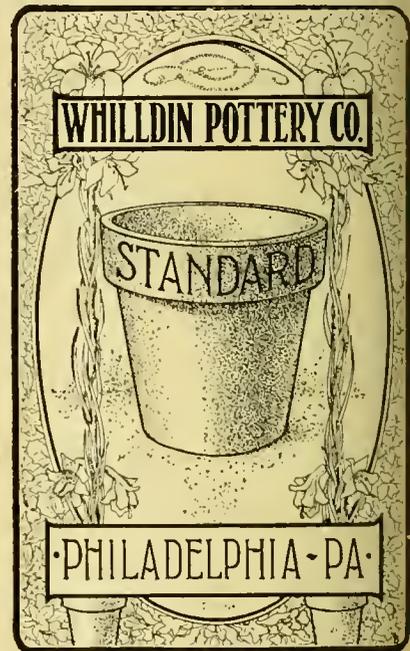
	Price per crate		Price per crate
1500 3-in. pots in crate,	\$4.80	120 7-in. pots in crate,	\$4.20
1500 2 1/2 "	5.25	60 8 "	3.00
1500 2 1/4 "	5.00	48 9 "	3.60
1000 3 "	5.00	48 10 "	4.80
800 3 1/4 "	5.80	24 11 "	3.60
600 4 "	4.50	24 12 "	4.80
320 5 "	4.51	12 14 "	4.80
144 6 "	3.16	6 16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents
53 DEY STREET, NEW YORK CITY.

INDEPENDENT OF ALL TRUSTS,
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Saabes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

When corresponding with advertisers mention THE AMERICAN FLORIST.



BRANCH WAREHOUSES: Jersey City, N. J.
Long Island City, N. Y.

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNECKE GO., MILWAUKEE, WIS.

Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

LANCASTER, PA., June 17, '99.
MR. THERON PARKER,
Brooklyn, N. Y.:

Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900.

Very Respectfully,
ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.,

226 North 9th Street,
BROOKLYN, N. Y.

THE MODEL ROSE STAKE Looped and Pointed.

THE MODEL PLANT STAKE for Lilies and all Pot Plants.



MY PICTURE AS A "KID."
(Presenting a rear view of a stern reality)

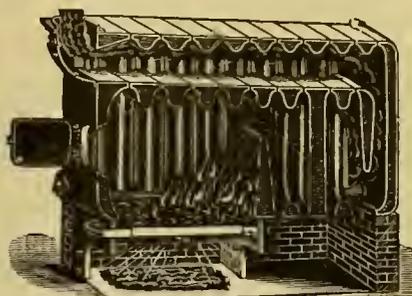
When I was young, you will observe, I was very backward; but I have got over that, and now come to the front claiming to have the best WATER HEATER, VENTILATING APPLIANCE and SASH HINGE for greenhouse purposes, that are in the market.

Furthermore, they are so simple in construction I can afford to sell them much cheaper than other styles.

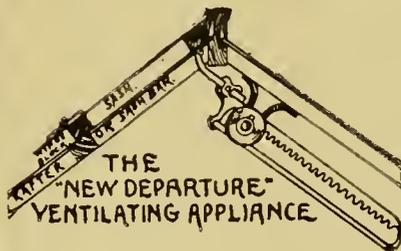
Now florists, don't be backward in sending for a catalogue. Remember, when you find you NEED a thing, the sooner you get it, the more you will have for your money, again I say "DON'T BE BACKWARD," but "keep up with the band wagon." Let me hear from you AT ONCE.

J. D. CARMODY, Evansville, Ind.

Please mention the American Florist when writing.



AMERICAN CHAMPION BOILER.



THE "NEW DEPARTURE" VENTILATING APPLIANCE

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO.,
YOUNGSTOWN, O.

Please mention the American Florist when writing

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.

HOT-HOUSE GLASS A SPECIALTY.

THE Regan Printing House

NURSERY SEED CATALOGUES
FLORISTS

87-91 Plymouth Place,
CHICAGO

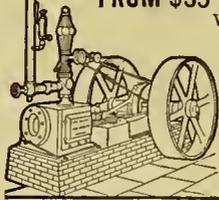
HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J

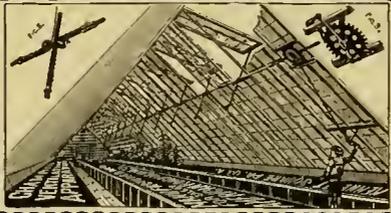
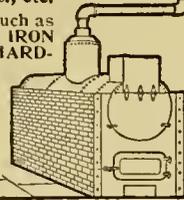
MACHINERY and SUPPLIES at BARGAIN PRICES

We have the largest machinery depot on earth. We secure our machinery from the various buildings and plants that we are constantly buying. We purchased The World's Fair, The Omaha Exposition, The Chicago Post-Office and numerous other noted structures. Our facilities for rebuilding machinery are unsurpassed. We cover all our sales with binding guarantees. **BOILERS FROM \$25 UP. ENGINES FROM \$35 UP. STEAM PUMPS FROM \$15 UP - etc., etc.**



We also carry a complete stock of general supplies, such as BELTING, SHAFTING, HANGERS, PULLEYS, IRON PIPE, VALVES and FITTINGS, IRON ROOFING, HARDWARE, PLUMBING MATERIAL, etc. Cut this ad. out and we will send you Free our 250 page Catalogue No. 7. We are constantly buying entire stocks at Sheriffs and Receivers Sales.

CHICAGO HOUSE WRECKING CO.
West 35th and Iron Streets, CHICAGO.

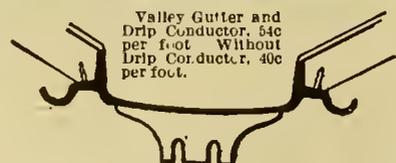


EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....

THE CHAMPION VENTILATING APPARATUS

Catalogue is free. A postal with your name and address secures it. Address

COOLIDGE BROS., Florists,
So. Sudbury, Mass.



Valley Gutter and Drip Conductor, 54c per foot. Without Lrip Cor. duct. r. 40c per foot.

Jennings Bros., GREENHOUSE DESIGNERS... & BUILDERS.

Mfrs of and dealers in Greenhouse Specialties.

Patent Iron Bench Frame Fittings, Improved Cast iron Gutters and Plates.

Send for Catalogue. **Jennings Bros.,** Olney, Philadelphia, Pa.

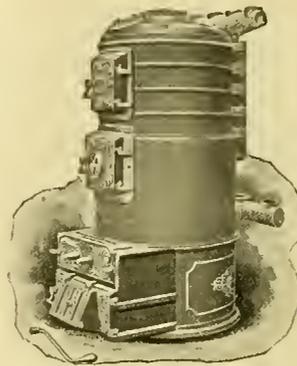
If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in Give it a trial.

...The American Florist.

Index to Advertisers.

Advertising Bates.....	288
Allen J K.....	293
American Rose Co.....	292 11
Amling E C.....	291 300
Baller F A.....	286
Barnard W W & Co.....	1
Beur S Alfred.....	1
Barrow J G.....	293
Bassett & Washburn.....	291
Bayersdorfer H & Co.....	3-5
Bentley & Co.....	290
Berning H G.....	292
Beuullen H.....	11
Bindekunst Die.....	11
Blanc A & Co.....	296
Blue Hill Nursery.....	3-2
Bohblck & Atkins.....	303
Boston Letter Co.....	305
Boyd J H II.....	296
Brinton W F.....	296
Brown Peter.....	294
Bruns H N.....	11
Budlong J A.....	291 301
Bunyard H A.....	290
Burpee W Allee & Co.....	11
Butz W T & F P.....	293
Byer Bros.....	293
Caldwell the Wood- man Co.....	290 296
California Nursery Co II	
Carmody J D.....	307
Chadwick Chas.....	300
Chicago Carnation Co	295
Chicago House Wreck- ing Co.....	307
Cincinnati Cut Flo Co.....	292
Clark Wm A & Son.....	303
Coles W W.....	299
Conard & Jones Co.....	302
Conley Foll Co.....	305
Coolidge Bros.....	307
Cottage Gardens.....	1
Crabb & Hunter.....	303
Craig Robt & Son.....	299
Cross Ell.....	299
Cunningham Jos H.....	302
Cunningham D C Glass Co.....	307
Danley S T.....	296
Davie Bros.....	299
Deamud J B.....	290
Detroit Flo'r Pot Mfy	306
Dexter Lillian Allen.....	292
Ditach A & Co.....	305
Dillon J L.....	301
Dorner Fred & Sons Co	298
Dreer H A.....	299 111
Dunne & Co.....	303
Eastern Chemical Co.....	305
Elohholtz Henry.....	298 302
Elliott Wm & Sons.....	295
Ernest W H.....	305
Farquhar B & J & Co.....	292
Ferguson John B.....	302
Finley Lawn Rake Co	3-8
Florida Nat Prod Co.....	305
Ford Bros.....	293
Foster Lucile H.....	304
Fryer E.....	294
Gardeners Chronicle.....	11
Gardening Co The.....	11
Garland Geo M.....	111
Geller Sigmund.....	305
Ghormley Wm.....	293
Gibbons H W.....	11
Giblin & Co.....	111
Goodrich W C.....	300
Good & Reese Co.....	304
Gorman Daniel E.....	296
Gullatt & Sons W H.....	304
Ganther Wm H.....	293
Gurney Heater Co.....	308
Hagenburger Carl.....	303
Hall Ass'n.....	307
Hancock Geo & Son.....	300
Heacock Joseph.....	302
Heise J B.....	303
Heller & Co.....	11
Hennecke C Co.....	306
Herendeen Mfg Co.....	306
Herr Albert M.....	294 304
Herrmann A.....	305
Herron Dana B.....	298
Hewa A H & Co.....	304
Hiltner Bros.....	306
Hill E G & Co.....	1
Hilppard E.....	307
Hiltings & Co.....	11
Hoffman F M & H N	288
Holton & Hunkel Co.....	290
Hooker H M Co.....	11
Horan Edw C.....	293
Hort Adv.....	11
Hose Connection Co.....	11
Hubbard T S & Co.....	296
Humfeld C.....	295
Hunt E H.....	291
Invald & Appliance Co.....	304
Indianapolis Flower and Plant Co.....	303
Jackson & Perkins Co.....	296
Jackson E B.....	303
Jacobs S & Sons.....	11
Jennings E B.....	294
Jennings Bros.....	307
Johnson & Stokes.....	294
Kaating W F.....	292 295
Keller Bros.....	306
Keller Geo & Son.....	306
Kellogg Geo M.....	292
Kennedy Bros Co.....	295
Kift Robert.....	304
Kilhourr R.....	303
Kroeschell Bros Co.....	11
Kuehn C A.....	292
Kuhl Geo A.....	296 298
Lager & Hurrell.....	302
Lakey w Rose Garden.....	299
Lang Jullius.....	294
Langjahr A II.....	292
Lee K A.....	292
Ley John H.....	301
Limprecht S J.....	291
Lockland Luna Co.....	3-6
Long D B.....	11
Lonsdale Edwin.....	302 303
Lord & Burnham Co.....	11
Loven J G.....	299
Lucas J & Co.....	111
Lynch W E.....	291
McCarthy & Co N F.....	292 304
McFadden E C.....	291
McFarland John.....	3-3
McKellar & Winterston	291
MacBean A S.....	301
Maier Paul.....	304
Marquise L E.....	300
Meyer John C & Co.....	305
Millang & Co.....	293
Millang Frank.....	293
Miller J W.....	296
Moore Plants & Nash.....	307
Moller's Gartner Zel- tung.....	3-4
Monlwever J C Co.....	111
Montana Fertilizer Co	304
Moon Samuel C.....	296
Moon Wm H.....	298
Moore, Hantz & Nash.....	293
Morris Floral Co.....	304
Moss Geo M.....	292
Murphy Wm.....	295
Myers & Co.....	308
Niessen Leo.....	292
N Y Cut Flower Ex.....	293
N Y Cut Flower Co.....	293
Paasmore Isaac.....	300
Pennock Sam'l S.....	292
Pittsburg Cut Flo Co.....	290
Pollworth C C Co.....	290
Prince A G & Co.....	290 302
Priskard J N.....	290
Quaker City Mch Wks.....	111
Randall A L.....	291
Rauth Carl.....	300
Rawlings E L.....	296
Raynor J I.....	293
Reed Glass & Paint Co	306
Revan Printing Co.....	307
Reinberg Geo.....	291 301
Reinberg Peter.....	291 301
Retzer Walter & Co.....	1
Rice M & Co.....	305
Rodgers Alex.....	11
Roedder A.....	303
Rohr A.....	11
Ruzicka Jos F.....	304
Sabraneky W.....	3-0
Saltford Geo.....	293
Sander & Co.....	3-2
Schafer Mrs A M.....	298
Schick S C.....	11
Schillo Adam.....	11
Schmidt J C.....	294 11
Schu thels A.....	301
Scollay John A.....	111
Sheridan W F.....	293
Siebrecht & Wn.....	1
Sitajons & Wn.....	299
Skabours Dip Co.....	305
Smith Nath & Son.....	3-3
Smurthwalte C A Produce Co.....	11
Sollau C.....	294
South Side Floral Co	302
Stahl Chas B.....	292
Stearns Lumber Co.....	111
Steffens Emil.....	305
Stevens & Co.....	304
Stoothoff H A & Co.....	11
Storrs & Harrison Co	304
Studer N.....	304
Styer J J.....	11
Sutherland Geo A.....	292
Sutton E B Jr.....	300
Swahn Pottery Mfg Co.....	306
Thomann Jacob.....	296
Thorburn J M & Co.....	294
Treadly & Schenck.....	293
Union St Green's Co.....	300
Vall Seed Co.....	305
Van Aken Bros.....	302
Van Wert Green'hes.....	296
Vaughan's Seed Store.....	294
Vick's Sons Jas.....	11
Vincent R Jr & Son.....	304
Vredenburg & Co.....	11
Walker John.....	300
Watson G C.....	11
Weathered's Sons Thos W.....	111
Weber H & Sons.....	295
Weeber & Don.....	11
Welland & Risch.....	291
Welch Bros.....	292
Wetlin W A.....	301
Willidin Pot Co.....	304
Witler Bros.....	291 301
Willin Chas.....	300
Willbold The Geo Co.....	297 1
Wood Bros.....	294
Woodroffe & Bern- helmer.....	292
Wood, Hubbs & Co.....	294
Wrede H.....	11
Young Jno.....	293
Young & Nulent.....	293
Zirnglebel D.....	294



GURNEY "400 SERIES"
HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

RELIABLE—DURABLE—ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch.
111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill.
Please mention the American Florist when writing.



Exclusively
A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK.
EASY TO ERECT; SIMPLE IN OPER-
ATION; ECONOMICAL AS TO
CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., PHILADELPHIA, PA.
(ESTABLISHED 1849.)

WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.

GREENHOUSE MATERIAL,
Cal. Red Cedar and Louisiana Cypress.
BEST GRADES, PERFECT WORKMANSHIP.
A. DIETSCH & CO. 615-621 Sheffield Ave. CHICAGO, ILL.

THOSE FALLEN LEAVES

CAN BE KEPT OFF THE LAWN WITH
LITTLE EFFORT IF YOU HAVE A
FINLEY ROTARY LAWN RAKE.



The Finley Rotary Lawn Rake in Operation.

It picks them up and holds them until you are ready to deliver them to your burn heap or compost pile.

The wind can't blow them about after once raked. It does the work much better than the hand rake, and does it three times as fast. It takes up grass, either long or short, twigs and loose litter of any kind, stones included, that a hand rake would not touch. It will save its

cost in 60 days on any good lawn. Price, \$12.00.

It was given a Certificate of Merit by the Society of American Florists at the New York Convention, the judges reporting that they "Believe it to be far superior to anything else in the market."

Send for Illustrated Circular.

FINLEY LAWN RAKE CO., Joliet, Ill.

POUGHKEEPSIE, N. Y.—The next regular meeting of the Dutchess County Horticultural Society will be held at the Y. M. C. A. rooms on October 3, at 1:30 p. m. This is the last meeting previous to the annual exhibition.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI. CHICAGO AND NEW YORK, OCTOBER 6, 1900. No. 644.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.
PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.
Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; W. J. STEWART, 87 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo August, 1901.
OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.	
Chrysanthemums	309
—Treatment for specimen plants	309
—Our chrysanthemum society	309
—Chrysanthemum Society of America	310
From first to last (portrait)	310
Some unusual and effective wreaths (illus.)	310
Classification of sweet peas	310
Paris	313
Wholesaling out flowers in Chicago (illus.)	314
New York	314
Boston	315
Philadelphia	316
Chicago	316
Milwaukee	317
St. Louis	317
Treatment for carnations	318
Society of American Florists	318
Greenhouse building	318
Memorial day flowering plants	318
Buffalo	318
The seed trade	324
—French seed crops	324
The nursery trade	326
—The cutting back of the clematis	326
—Borers in trees and shrubs	326
Our pastimes (illus.)	328
—At St. Louis	328
—At Chicago	328
—At Flatbush	328
—At Denver	328
—At Philadelphia	328
—Paying dinner wagers at Boston	328
Williamsport, Pa.	330
Baltimore	334
Indianapolis	336
Washington	338

CHRYSANTHEMUMS.

TREATMENT FOR SPECIMEN PLANTS.

Chrysanthemums intended for exhibition specimen plants are all housed and we are getting them into shape as rapidly as possible. Staking is tediously slow work. To finish a specimen in perfect shape requires the skill of an artist. If no staking has been done, we shall find, no matter how even in outline the plant may appear, that there are a number of shoots on the outside which will be too long to be trained where they lie. We have to make a full survey before we commence, taking into account, also, whether the plant be one-sided or whether the shoots are longer on one side than the other. All the strong shoots must be worked towards the center and evenly balanced, and the shorter ones drawn to the outside. Occasionally there are shoots in the center which we cannot dispose of, and these we cut out rather than do any crowding.

Disbudding must be attended to. Surplus buds weaken the rest and we must therefore decide on those we need as soon as they are large enough to handle. Then, too, fungoid diseases are often bothersome. The liability to these depends much upon our management of the airing, with regard to draughts especially. We never open the side ventilators at this season unless the weather be genial, and then only on the off side. We still spray the plants on all bright days, morning and afternoon. This is necessary on account of insects, especially thrip and red spider. These latter are much more troublesome, and the results of their work more serious, than green or black fly. We fumigate on an average of once a week. In this connection, it is remarkable how late we can fumigate without injury. We have had blossoms open when it has been necessary to fumigate and no more harm has been done than to tarnish—take the lustre off—some of the darker shades.

For spider and thrip there is nothing so good as spraying vigorously. For fungoid diseases we have tried one or two formulas, but we cannot say with entire success. When mildew once gets a good hold it is hard to dispose of it. Sulphide of potassium, one ounce to two gallons of water, is as good as anything, and cuprum may be used with safety. This is four ounces carbonate of copper dissolved in one-half gallon strong 4 F ammonia to forty-five gallons water. In using these copper compounds we

must be careful not to spatter the paint work as it spots badly and will not wash off.

As to feeding, liquid manure may be continued until the buds show color.
T. D. HATFIELD.

OUR CHRYSANTHEMUM SOCIETY.

Chrysanthemum time is with us again. Is it a coincidence, or is it the importance of the flower that is accountable for more flower shows being held in chrysanthemum time than at any other period of the year? To my mind the fact is clearly demonstrated that the queen of autumn is so thoroughly ingratiated in popular favor that she is in no danger of being deposited. In short, the flower that was thought to be a popular fad is now an accepted entity. Now that it is again coming in season appears an opportune moment to say something on behalf of the society that is devoted to this special flower and to bespeak for the Chrysanthemum Society of America such a full measure of support that the good work it has so far done may be amplified and extended for the general good of all.

Special societies devoted to particular flowers have passed beyond the experimental stage, have proved by earnest, conscientious work that they exist for something more than mutual admiration purposes and the sum aggregate of work accomplished shows the material advancement of the subject. Can anyone deny that the American Carnation Society has justified its creation? Has not the resuscitated rose society a fruitful field wherein to labor? Its initial effort this year is but an earnest of great future efforts. The chrysanthemum society, too, is in the field and the sum total of its accomplishments will be in an enlarging ratio with the support that is given to it.

For several years committees have met weekly during the chrysanthemum season in five leading cities and have passed judgment upon such new varieties as were submitted to them. This, surely, is work of an important character in a flower so prolific in variety, and work of positive value to chrysanthemum growers. It has saved them money, time and wasted effort in fruitless trials of varieties that they might have been tempted to try if there had been no C. S. A. standard of merit and no committees to judge in accordance therewith. For two years a substantial prize was offered at an early date to encourage production of early flowering varieties of merit but, as

these were not forthcoming, the prize was last year offered for and awarded to the seedling scoring the highest average of points before the committees. This year a similar prize is offered for competition at Chicago in connection with the Chicago Horticultural Society's show under conditions appealing to all growers; namely, for ten blooms of any one variety, new or old. The society is working in harmony with the national chrysanthemum societies of England and France and is offering a prize this year to be competed for at the forthcoming show of the French society in Paris this fall.

But is this enough? We have a society capable of greater things and it is the opinion of many that each recurring chrysanthemum season should see an exhibition held under the auspices of the national society in one of our prominent cities. Let this become an accomplished fact and in this enlarged sphere of activity the society will grow in membership and in influence, with large resultant benefits accruing to those most interested.

There is plenty of work in the chrysanthemum field. We should take up the flower and develop it along other lines. There are other important points of view from which to regard it besides commercial adaptability, which is the dominating factor of our present work. We have an immense territory where chrysanthemums in the open air are not in danger of succumbing to early frosts. A national society should do something in this direction. Our first great need, however, is for more workers, and who loving the flower or having ought to do with it would remain outside the ranks of the society when membership in it costs but \$1 a year? Join now, while the flower is in season and a year hence you may be participating in the consummation of present hopes. Applications for membership with the accompanying fee may be sent to the secretary, Edwin Lonsdale, Wyndmoor, Philadelphia, Pa., at any time.

A. HERRINGTON,
President C. S. A.

CHRYSANTHEMUM SOCIETY OF AMERICA.

President Herrington has announced committees to examine chrysanthemum seedlings and sports on dates as follows: October 13, 20 and 27, November 3, 10, 17 and 24.

Boston, Mass.—A. H. Fewkes, chairman, Horticultural Hall, Tremont street.

New York, N. Y.—E. Dailedouze, chairman, care New York Cut Flower Co., 119 West Twenty-third street.

Philadelphia, Pa.—A. B. Cartledge, chairman, 1514 Chestnut street.

Cincinnati, O.—R. Witterstaetter, chairman, care Jabez Elliott Flower Market, (care janitor).

Chicago, Ill.—J. S. Wilson, chairman, care J. B. Deamud, 51 Wabash avenue.

Exhibits to receive attention from the committees must in all cases be prepaid to destination, and the entry fee of \$2 should in all cases be forwarded to the secretary not later than Tuesday of the week preceding examination.

EDWIN LONSDALE, Sec'y.

Wyndmoor, near Philadelphia, Pa.

SAN FRANCISCO, CAL.—On September 29 Carl Kruger fell from the second balcony of the City Hall rotunda, never regaining consciousness. He had recently retired from the firm of John H. Sievers & Co., in which he held a partnership for some time.

From First to Last.

Away back in the days before the Civil war floriculture in Chicago was conducted along very narrow lines and afforded a livelihood to a mere half dozen men. The history of the trade in the days when Chicago was yet a struggling village is clouded in the obscurities of the past, but it is undoubted that Samuel Brooks was the first of the commercial florists by some years. Then came Edgar Sanders and Williams & Wittbold. Of these George Wittbold, president of the company which bears his name, is



GEORGE WITTBOLD.

the only one who is still in business. This dean of the profession was born in 1832 at Hanover, in Germany, and in his youth acquired a knowledge of plant life in the Royal Botanical Garden at that place. Coming to America and Chicago when 25 years of age, Mr. Wittbold soon became engaged in the business which has been continued to the present day. The firm was Williams & Wittbold, the former having a greenhouse on what is now Fullerton avenue. Mr. Wittbold's glass was at another location, about where Clark street and North avenue intersect. Mr. Wittbold says that at that time his only competitors were Mr. Brooks, away out on the South Side, south of what is now Kenwood, and Mr. Sanders, at the spot which is now the northwest corner of Belmont and Evanston avenues. It was just after the war that Mr. Wittbold left the partnership of Mr. Williams and in 1869 he bought the land on which he has lived and done business for the past thirty-one years. At that time it was largely a slough; there were four acres of it and people said it was not worth the \$2,000 which he paid. There were no streets, not even roads, and all there was on it was water, pond lilies, grass and a few rattlesnakes. But about the time Mr. Wittbold had his slough filled in he was offered seven acres for his four, seven acres of pretty high land just south of his and consequently nearer the city. Now he wishes he had that seven acres, but then he thought that four acres was all his greenhouses could earn the taxes on; as a matter of fact, when it came to building streets and other public improve-

ments, he couldn't pay the taxes out of his business and sold nearly an acre of his land, but out of that acre he got not only enough for the improvements but enough to give him his other three acres clear of cost, and they are worth probably \$30,000 an acre to-day. All through the time that Chicago was growing to be great, Mr. Wittbold's business was keeping pace. He brought up a family of five such boys as are a comfort to a man's declining years, and with their aid the business was not only pushed into the front rank but Mr. Wittbold was enabled to entirely throw off its burden and go back under the three acres of glass and potter about at will among the palms and ferns, the friends of his youth, the reliance of his manhood and the pleasure of his ripened years.

Some Unusual and Effective Wreaths.

The accompanying illustrations are from photographs of two rather unusual but very attractive floral designs, made of such material as the average greenhouse man has at hand, without recourse to the wholesale cut flower markets. The right side of the first wreath is made of the long, slender blooms of that beautiful herbaceous perennial, the ophiopogon, both the white and lavender flowered varieties being employed, with their long, narrow, variegated leaves. The opposite side was of the lavender and the pure white varieties of torenia, the lower part was of lilies and the ribbon was lavender, the whole effect being of lavender and white, the green, of course, being in several shades, adiantums and several sorts of ferns being used. The second wreath was of somewhat similar character but the effect was quite different, the material being more varied. There were, in addition to the factors which were incorporated in the first wreath, such flowers as jasmines and auratum and the foliage of begonias added not a little to the ensemble.

C. B. W.

Classification of Sweet Peas.

[Read by Walter P. Wright at the English Sweet Pea Conference, London, July 20 and 21, 1900.]

That the time has come for reducing chaos to order in the sweet pea will probably be gainsaid by very few cultivators. The remarkable development in this plant has lifted it to the position of a florists' flower, and as such it demands to be defined and classified.

There is no branch of industry in which the gospel of muddle is not preached by a few irresponsible reactionaries, but so far as horticulture is concerned there has always been a sufficient majority of thoughtful men to ensure the victory of system. The florists of past times were a noble body of men, having sufficient courage to set up a lofty ideal of merit, and sufficient determination to refuse to accept anything which fell short of it. The florists of to-day must follow the example of their forefathers by setting up a high standard of excellence, and declining to hodge by the fraction of an inch from it. Only thus can they be faithful to the great traditions of British floriculture.

The formal adoption of the sweet pea as a florists' flower is not yet an accomplished fact, but the time is surely ripe for it. If the auricula, the carnation and the pansy are worthy of this exalted rank, the sweet pea must rise, too, for alike in interest, beauty and value it is

equal to any of them. It is a garden flower of the highest charm and merit. It is not a creature of soil or climate, thriving in one district, sulking in another. It is generous and free, giving of its store to all who love it, and the poor man can afford to grow it equally with the rich.

FORM OF FLOWER.

When we consider the parts of the sweet pea flower we survey magnificent raw material for floricultural excellence. In the first place, we have the standard, the principal part of the bloom. What clay is there for the moulder's hand! He can fill it with substance and perfect its outline. Teaching himself beforehand what perfection is, he can set himself to approach it with all the tenacity of his race. And when he has his ideal flower he can paint it with a score of lovely hues. Many of the flowers which we have to-day are pleasing to the eye, but not satisfying to the mind. At a distance the gay, fluttering blossom is as winsome and enchanting as a butterfly, but a near inspection often reveals unevenness of outline, raggedness, notching and kindred abominations, all of which must be swept away.

With respect to hooding, I must speak in almost equally uncompromising terms. While freely granting that some of the varieties which hood persistently are pleasing and pretty, I cannot but regard them as imperfect. Hooding is inherently an imperfection, because most varieties hood while immature, and again when past their best. In a complete state of development certain varieties have enough substance to stiffen up the folding segment, while others, more flimsy, fail to do so. The hooded flower is a flag at half-mast.

As the hooders are a fairly numerous race, and include some of our prettiest peas, we must make a section of them, but in my humble judgment they are floriculturally on a lower grade than the erect flowers.

It is doubtful whether posterity will find itself burdened with others than these two sections. It is true that there are numerous varieties at the present time which only hood slightly, and give many erect flowers, such, for example, as the beautiful whites, Blanche Burpee and Sadie Burpee, and these might be termed half-hooders or intermediates; but I think that once we decide to set up erectness as a standard of excellence, we shall soon find ourselves getting closer to it by selection. Slightly altering an old tulip phrase, we shall get erectified flowers, not only of these whites, but of many other exquisite peas.

Then there is recurvation or reflexing, but this is almost bound to go. It is characteristic of the old Invincibles and bicolors.

There is also notching. This is a serious disfigurement. It is a feature of the old sorts—a relic of the black, barbaric days when there was no Eckford. Let us get away from it. Some person has suggested that in the future we shall get fringed flowers. When I survey a variety like the fluted form of Primrose I can well believe it. But it is not, to me, an agreeable prospect. What person, having in his veins one drop of the blue blood of the old aristocracy of florists, can ever wish to see a fringed sweet pea?

To sum up, we want in the ideal standard a large, bold, erect segment, firm, substantial and leathery, smooth at the edge, even in outline and symmetrically rounded. We will be fairly satisfied if it



A WREATH IN LAVENDER AND WHITE.

is the size of a half-crown, so long as the shape is right, but we shall get it bigger, and with the quality, too. Such varieties as Senator, America and Stanley are noteworthy for excellence of standard, but there are many more.

Let us turn to the next pair of petals—the wings. These should not be erect, like the standard, or the tip of the keel would become unduly prominent. In the variety Golden Gate, which is not a yellow, the wings are vertical and open, giving a resemblance to a pair of half-open gates; but this we must suppress with the strong hand. We will pass through the gates and away. The wings should be closed at the top, and slightly folded or hooded, so as to hide the tip of the keel. This likewise gives full exposure to the standard. Well set, well formed wings are a great adornment to a flower, and in the bicolors give us many choice harmonies of color. The wings of Stanley cover the keel well; those of Senator do not.

In the keel we have another pair of segments, cohering so as to form a small

pouch. We need not worry after form here. If the wings do their duty only the front of the keel will show. The amateur hybridizer will not fail to note that by the time the flower is expanded the pollen is shed and the flower self-fertilized. To secure cross-fertilization the anthers must be removed while the flower is still in the bud stage.

POINTS OF A PERFECT SWEET PEA.

The standard of erect flowers must be quite flat, well rounded, smooth at the edge, free from notch or serrature, and not less than one and one-fourth inches across.

The standard of hooded varieties must be well rounded and smooth.

The wings must be about half the size of the standard, spreading at the base, but slightly folded and hooded at the top, so as to hide the tip of the keel.

The colors, whether self or parti, should be clear and well defined.

There should be at least two perfect flowers on a stem.

The plant should be of a strong, free habit.

COLOR.

Color must play an important part in a system of sweet pea classification; indeed, I should not be surprised if the future allots to it the leading position in view of the variations that there are likely to be in form. By the exercise of a very little ingenuity we can get nearly all the leading varieties into one of several well defined groups. We have:

(1) SELFS. This is a large, important, and beautiful class, and perhaps no better example of a pure self could be found than Salopian. Many of the bright red selfs have a distinct tint of magenta in the wings, but Salopian has not. In this section natural subdivisions occur to the mind. Thus we have Countess of Radnor as the type of lavender selfs, Navy Blue of blue selfs, Dorothy Tennant of mauve selfs, and so on.

(2) FLAKES. A fairly large class, and one likely to increase in popularity. We have crimson flakes such as America, mauve flakes like Gaiety, rose flakes like Aurora, blue flakes like Grey Friar, and maroon flakes like Senator.

(3) BICOLORS. In one sense flakes are bicolors, but it would be logical to adopt a system of classifying as bicolors those varieties which have one well defined color in the standard and another in the wings. Sub-sections come naturally if we take as the distinguishing color that of the standard. For instance, in Little Dorrit and Empress of India (rose standards with white wings) we have rose bicolors; in Orange Prince, Countess of Powis, etc. (salmon standards and pink wings), we have salmon bicolors.

(4) FANCIES. There are, and must be, no inconsiderable number of varieties which refuse to be disposed of so easily as the rest. Take, for example, the lovely Lottie Hutchins; which is lightly splashed with pink on an ivory ground. It is not a true self, nor is it a true flake. Such varieties might be classified as fancies, with the subdivisions white fancy, yellow fancy, etc., taking the ground color as the distinguishing feature.

(5) PICOTEE EDGES. A very small class at present, but one that may increase.

LIST OF SWEET PEAS.

It now remains to prove the systems here suggested by taking a large number of varieties and classifying them. Being myself the owner of a fair collection, and having had the privilege of inspecting the splendid collections of Carter & Co., Hurst & Sons and Sutton & Sons, I have been enabled to take notes of some of the best varieties grown. I first of all give an alphabetical list of these and their colors as nearly as I can describe them:

Admiration, mauve.
Adonis, rosy magenta.
Alba magnifica, white.
Alice Eckford, white, tinted blush.
America, crimson flaked; a very good pea.
American Belle, rose standard, bluish wings.
Apple Blossom, rose standard, bluish wings.
Aurora, light rose stripe large.
Black Knight, burnished purple; very fine.
Black Purple, purple, lighter wings.
Blanche Burpee, white, occasionally tinted; one of the best.
Blanche Ferry, red standard, white wings; an improved Painted Lady.
Blanche Ferry, Early, same colors.
Blushing Beauty, bluish; inferior to Katherine Tracy.
Boreatton, purple.
Brilliant, scarlet or carmine self.
Bronze King, bronzy red standard, white wings.
Butterfly, white, mauve edge.
California, bluish; no better than Mrs. Gladstone.
Calypso, carmine, shaded magenta.
Captain Clarke, white, shaded blue.
Captain of the Blues, purplish blue.
Captivation, magenta mauve standard, mauve wings; distinct and good.
Cardinal, crimson scarlet self.
Celestial, this appears to be the same as Countess of Radnor.

Chancellor, magenta rose.
Colonist, carmine.
Columbia, mauve flake, white wings.
Coquette, rosy lavender standard, cream wings; very fine.
Coronet, salmon red flake, large.
Countess of Aberdeen, bluish self.
Countess Cadogan, bluish mauve; like Imperial Blue, but a trifle larger.
Countess Fitzwilliam, rose standard, lemon wings.
Countess of Lathom, buff pink self.
Countess of Powis, salmon standard, pink wings; a large and improved Orange Prince; very fine.
Countess of Radnor, lavender.
Countess of Shrewsbury, rose standard, lemon wings.
Countess of Skelmersdale, rose, white wings.
Croule, lavender, faint red tint.
Crown Jewel, rose standard, cream wings, very fine.
Crown Princess of Prussia, rosy buff; not wanted.
Daybreak, red flake, light wing; not wanted.
Delight, cream, shaded pink; poor.
Distinction, almost, if not quite, identical with Duke of Clarence.
Dorothy Tennant, mauve; still one of the best.
Dorothy Vick, carmine self.
Duchess of Edinburgh, carmine self; not wanted.
Duchess of Sutherland, bluish self; rather larger standard than Modesty; one of the best.
Duchess of Westminster, bluish self.
Duchess of York, white, pencilled with pink; like Ramona.
Duke of Clarence, claret purple; very fine.
Duke of Sutherland, very similar to above.
Duke of Westminster, purplish mauve, deeper than Dorothy Tennant; desirable.
Duke of York, rose standard, lighter wing; poor.
Earliest of All, red standard, white wing, very early, dwarf and free; valuable.
Eliza Eckford, light rose; large.
Emily Eckford, a pale Dorothy Tennant.
Emily Lynch, rose standard, cream wings; not wanted.
Emily Henderson, white; three flowers on a stem; nearly, if not quite, the best white.
Empress of India, rose.
Etna, flaked mauve; not wanted.
Fairy Queen, bluish self; poor.
Fascination, much the same as Dorothy Tennant.
Fashion, carmine self; not wanted.
Firefly, fine crimson self.
Gaiety, mauve or magenta flake on white ground.
Golden Gate, lavender.
Golden Gleam, buff.
Gorgeous, salmon standard, pink wings; some people think it an improvement on Orange Prince.
Grand Blue, bluish mauve.
Grey Friar, blue flakes on grey ground.
Her Majesty, carmine self, large and good.
Hon. F. Bouverie, rose standard, cream wing; a bigger Venus.
Ignea, scarlet, shaded magenta; not wanted.
Imperial Blue, bluish mauve.
Indigo King, indigo.
Invincible Carmine, like scarlet.
Invincible Red, red flake.
Invincible Scarlet, crimson.
Invincible Striped, red flake.
Isa Eckford, pink self.
Juanita, flaked blue on white.
Katherine Tracy, deep bluish; an improved Mrs. Gladstone, and one of the best.
Lady Beaconsfield, rose standard, lemon wings; poor.
Lady Grisel Hamilton, lavender, red tint.
Lady Mary Currie, bright rose self; one of the best.
Lady Nina Balfour, lavender, red tint.
Lady Penzance, rose self.
Lemon Queen, bluish standards, white or buff wings.
Little Dorrit, red standard, white wings.
Lord Kenyon, carmine self.
Lottie Eckford, shaded blue, Picotee edge.
Lottie Eckford, Yellow Budded.
Lottie Hutchins, cream, pink pencillings; a lovely pea.
Lovely, bluish pink self; rather overrated.
Maid of Honor, like Butterfly, Picotee edge.
Mrs. crimson self; one of the best.
Meteor, salmon standard, pink wings, like Orange Prince, but burished.
Mikado, mottled carmine rose.
Minnehaha, red flake.
Miss Hunt, carmine or magenta.
Modesty, bluish self.
Monarch, claret; not wanted.
Mont Blanc, early dwarf white.
Mrs. J. Chamberlain, heavy rose flake; large and fine.
Mrs. Dugdale, carmine rose; very fine.
Mrs. Eckford, buff; one of the best of the "yellows."
Mrs. Fitzgerald, buff self.
Mrs. Gladstone, bluish self.
Mrs. Sauky, white, small, short stem.
Navy Blue, far the finest dark blue.
New Countess, same as the old Countess.
New White, white, large wings.
Novelty, carmine or magenta.
Odd ty, magenta self.
Old Dark Red.
Old Double White.
Old Red and White.
Old Single White.
Orange Prince, salmon standard, pink wings.

Oriental, like above, but rather richer color.
Othello, purple.
Ovid, rose; poor.
Painted Lady, red standard, white wings.
Pauline, much the same as Lemon Queen.
Peach Blossom, pink, flushed mauve.
Pink Friar, light red flake.
Prima Donna, pure rose self, deeper than Katherine Tracy and Mrs. Gladstone; a good pea.
Primrose, small, buff; not wanted.
Primrose Fluted, buff, fringed edges.
Prince Edward of York, carmine; a fine pea.
Prince of Wales, carmine.
Princess Beatrice, pink, the favorite market sort.
Princess May, like Countess of Radnor.
Princess of Wales, maroon flake; a very good pea.
Princess Victoria, carmine.
Purple Striped.
Queen of England, white.
Queen of the Isles, rosy mauve flake.
Queen Victoria, buff, pink tint, large and good.
Ramona, white, pencilled pink; like Duchess of York, and a sort of pale Lottie Hutchins.
Red Riding Hood, pink, very badly hooded; of no use now.
Rising Sun, rosy buff, carmine flake; poor.
Royal Robe, pink self; a good pea.
Royal Rose, a rose self with magenta suffusion; one of the best.
Sadie Burpee, white, flowers from black seeds, often tinted.
Salopian, true carmine self; about the best red.
Senator, maroon flake; a good pea.
Sensat on, white, pencilled pink.
Shahzada, purple on blue ground; one of the best.
Splendour, carmine, fine color.
Stanley, fine purple.
Stella Morse, cream, shaded pink, three on a stem.
Striped Celestial, like Wawona.
Sutton's New Pink, a fine pink.
The Bride, dwarf white.
The Queen, rosy lavender.
Triumph, red standard, white wings; a good pea.
True Blue, purplish magenta.
Venus, pinkish buff self.
Vesuvius, flushed mauve, poor.
Violet Queen, dingy mauve; not wanted.
Waverley, reddish mauve.
Wawona, blue flaked.
White Engl., white.

SWEET PEAS ACCORDING TO FORM.

The following must be taken as approximate. Circumstances may cause variations:

ERECT FLOWERED VARIETIES.

Typical variety: Prince Edward of York.
Alba magnifica Emily Heuder- Orange Prince
America son Othello
Apple Blossom E m p r e s s of Painted Lady
Aurora India Pauline
Blanche Ferry Etna Pink Friar
Boreatton Fashion Primrose
Brilliant Firefly Prince Edward
Bronze King Gaiety of York
Butterfly Golden Gate Princess Bea-
trix
Captain of the Golden Gleam
Blues Gray Fria- Princess of
Captivation Isa Eckford Wales
Cardinal Katherine Princess Vic-
toria
Columbia Tracy
Coquette Lady Penzance Purple Striped
Coro-et Lemon Queen Queen of the
Countess of Lottie Dorrit Isles
Powis Lottie Hutchins Queen of Eng-
land
Distinction Mars
Dolly Varden Mikado Ramona
Dorothy Tennant Miss Hunt Royal Rose
Duchess of York Mrs. J. Cham- Senator
Duke of Clarence berlain S shzada
Duke of W at- Mrs. Dugdale Stanley
minster Mrs. Eckford The Queen
Novelty Waverly

HOODED VARIETIES.

Typical variety: Lady Grisel Hamilton.
Blushing Beauty Duchess of New White
California Sutherland Oddity
Celestial Eliza Eckford Oriental
Chancellor Hon. F. Bouverie Ovid
Colonist Imperial Blue Prince of Wales
Countess of Lady Nina Bal- Red Riding
Aberdeen four Hood
Countess Cado- Lovely Royal Robe
gan Modesty Sensation
Countess of Mounarch Stella Morse
Lathom Mrs. Sankey The Bride
New Countess Venus

PARTIALLY HOODED OR INTERMEDIATE VARIETIES.

Admiration Grand Blue Navy Blue
Blanche Burpee Her Majesty Prima Donna
Countess of Indigo King Princess May
Radnor Juanita Queen Victoria
Creole Lady Mary Sadie Burpee
Crown Jewel Cu re Salopian
Emily Eckford Lottie Eckford Splendour
Fascination Maid of Honor True Blue

RECURVED VARIETIES.

Alice Eckford Duke of York Lady Beacons-
field
Black Purple Fairy Queen
Daybreak Invincible Scar- Mont Blanc
Duchess of let Peach Blossom
Edinburg Invincible Rising Suu
Striped

SWEET PEAS CLASSED AS TO COLOR.

- | | |
|--------------------------|----------------------------|
| MAUVE SELFS. | PINK SELFS (cont'd). |
| Admiration | Delight |
| Captivation | Isa Eckford |
| Dorothy Tennant | Peach Blossom |
| Duke of Westminster | Princess Beatrice |
| Emily Eckford | Red Riding Hood |
| Fascination | Royal Robe |
| Vesuvius | Suttons' New Pink |
| Violet Queen | Venus |
| Waverley | |
| WHITE SELFS. | ROSE SELFS. |
| Alba Magnifica | Crown Princess of Prussia |
| Blanche Burpee | Eliza Eckford |
| Emily Henderson | Empress of India |
| Mont Blanc | Lady Mary Currie |
| Mrs. Sankey | Lady Penzance |
| New White | Mikado |
| Old Double White | Ovid |
| Old Single White | Prima Donna |
| Queen of England | Royal Rose |
| Sadie Burpee | The Queen |
| The Bride | |
| White Eagle | YELLOW OR BUFF SELFS. |
| BLUE SELFS. | Golden Gleam |
| Captain of the Blues | Mrs. Eckford |
| Countess Cadogan | Mrs. Fitzgerald |
| Grand Blue | Primrose |
| Imperial Blue | Queen Victoria |
| Indigo King | CRIMSON FLAKES. |
| Navy Blue | America |
| True Blue | Daybreak |
| PURPLE AND MAROON SELFS. | Rising Sun |
| Black Knight | RED AND ROSE FLAKES. |
| Black Purple | Aurora |
| Boreatton | Invincible Red |
| Distinct on | Invincible Striped |
| Duke of Clarence | Mianehaha |
| Duke of Sutherland | Mrs. J. Chamberlain |
| Monarch | Pink Friar |
| Othello | MAUVE FLAKES. |
| Shahzada | Columbia |
| Stanley | Etna |
| BLUSH SELFS. | Gaety |
| Blushing Beauty | Queen of the Isles |
| California | BLUE FLAKES. |
| Countess of Aberdeen | Grey Friar |
| Duchess of Sutherland | Juanita |
| Duchess of Westminster | Striped Celestial |
| Fairy Queen | Wawona |
| Katherine Tracy | MAROON AND PURPLE FLAKES. |
| Lovely | Princess of Wales |
| Modesty | Purple Striped |
| Mrs. Gladstone | Senator |
| ADONIS SELFS. | RED AND ROSE BICOLORS. |
| Adonis | American Belle |
| Brilliant | Apple Blossom |
| Calypso | Bianche Ferry |
| Chancellor | Bianche Ferry, Early |
| Colonist | Bronze King |
| Dorothy Vick | Coquette |
| Duchess of Edinburgh | Countess Fitzwilliam |
| Fashion | Countess of Shrewsbury |
| Her Majesty | Countess of Skelmersdale |
| Invincible Carmine | Crown Jewel |
| Lord Kenyon | Duke of York |
| Miss Hunt | Earliest of All |
| Mrs. Dugdale | Emily Lynch |
| Novelty | Hon. F. Bouverie |
| Oddity | Lady Beaconsfield |
| Prince Edward of York | Lemon Queen |
| Prince of Wales | Little Dorrit |
| Princess Victoria | Old Red and White |
| Salopian | Painted Lady |
| Splendour | Pauline |
| CRIMSON SELFS. | Triumph |
| Cardinal | SALMON OR ORANGE BICOLORS. |
| Firefly | Countess of Powis |
| Invincible Scarlet | Gorgeous |
| Mars | Meteor |
| Old Dark Red | Orange Prince |
| CELESTIAL SELFS. | Orantal |
| Celestial | WHITE GROUND FANCIES. |
| Countess of Radnor | Alice Eckford |
| Creole | Duchess of York |
| Golden Gate | Lottie Hutchins |
| Lady Grisel Hamilton | Ramona |
| Lady Nina Balfour | Sensation |
| New Countess | Stella Morse |
| Princess May | PICOTEE EDGE. |
| Courtess of Latham | Butterfly |
| | Captain Clarke |
| | Little Eckford |
| | Maid of Honor |

CLASSES TO BE ADDED:
Salmon and orange selfs. Yellow or buff fancies.

Paris.

NINTH FLOWER SHOW ONE OF THE MOST SUCCESSFUL DURING THE EXPOSITION.—ASTERS, DAHLIAS AND BEGONIAS LEADING FEATURES.—MERITORIOUS VARIETIES EXHIBITED.—CUT ROSES AGAIN IN EVIDENCE.—SANDER SHOWS SPECIALTIES.—OLEANDERS IN VARIETY.—GOOD FRUITS SHOWN.—VEGETABLES.

The ninth flower, fruit and vegetable show, opening, September 12, was surely one of the best which we have had dur-



AN EFFECTIVE WREATH OF PROMISCUOUS MATERIAL.

ing the Exposition. It is well to remark that it took place in the most favorable weather and the flowers looked much fresher and brighter. The prominent features of that show were the asters, dahlias, begonias and foliage plants. In the contest with asters the chief position was taken by Vilmorin, closely followed by Ferard, Giavereau and Valtier. The displays were all of excellent quality and included the leading kinds of asters. The most admired, however, were the Giant Comet, Japanese and Ostrich Plume varieties, which are all very bright and attractive in appearance and to which every year new colors are added. The Ostrich Plume, like the Comet and Japanese, is to be recommended to the florists who grow asters for the market. One of our market growers planted a number of pots, as a trial, last season and found such a ready market for them that he will go more into them next year. The new sorts offer a pleasing variety of color, from golden yellow to La Negresse, darkest of all.

In the section for dahlias the most noteworthy displays were made by Vilmorin, Molin, Nonin and Danjou. The finest

cactus dahlias shown by Vilmorin were Duc D' Orleans, of a most unique, pinkish white color, spotted and streaked with red; Matchless, dark brown; Papa Charmet, velvety coral red; Ruby, ruby red; Starfish, deep scarlet shaded with brown; Bridesmaid, pink and yellow; Mrs. Kinsburg Forster, apricot salmon; Octopus, white ground with lilac points; Beatrice, rose and violet; Keyne's White, white with cream center; African, dark brown; Lady Leopold Seymour, bright scarlet shaded brown; Exquisite, salmon and carmine; Domino, orange; Harmony, yellow and carmine rose; Mrs. Charles Turner, brilliant yellow; Austin Cannell, red and violet; Chancellor Swayne, light violet; Mrs. Thornton, dark rose shaded magenta red towards the center; Kaiserin, canary yellow; Cycle, carmine red, shaded brown, and Wallace, yellow.

Among the finest double, large flowering dahlias are to be mentioned Mme. Hoste, white ground, striped violet and lavender; Prince de Danemark, dark brown, almost black; E. Mezard, golden yellow, often bordered carmine; Mlle. Alice Grevy, white ground, dotted with lavender towards the center; Souvenir

de Mme. Gagne, violet; Alcide Georgel, bluish violet, spotted dark brown; Imperatrice d' Australie, bright yellow; Gold Medal, golden yellow with bright red stripes; Buffalo Bill, dark golden yellow, dotted and striped with crimson; Junon, lilac rose; Mandarin Chinois, sulphur yellow striped pink; Miss Lilly Large, golden yellow, striped bright red; Sir Richard Wallace, dark violet; Mr. Lefebvre, yellow, striped white and red; Sam. Blett, magenta red, tinged with white; Emperor of Germany, bright yellow, slightly dotted with red; Gloire de Paris, garnet red, tinged with dark violet, the largest of all dahlias; Seraph, fleshy rose and Gloire de Lyon, pure white.

Among the finest single, large flowering dahlias were Ginevra, violet on white ground; Chrysanthemiflora, lilac, tinged white; Attraction, bright red with white points; Grandiflora alba, pure white; Merveille, yellow striped carmine; Etoile de Lyon, white bordered red; Egle, white ground, striped and tinged with red; Eclat, dark red with pure white points; Eldorado, yellow ground striped violet red; Papillon, cream ground, bordered and striped with red; Calypso, white ground, tinged red; Lutea grandiflora, pale yellow; Lamartine, canary yellow, slightly tinged with rose; Rossini, bright scarlet; Agathe, white ground striped with velvety brown; Pasteur, chamois, tinged with purple and yellow edge; Van Dyck, yellow ground, striped purplish brown; Mr. De Vilmorin, yellow ground striped red; Wm. Bullingford, canary yellow, and Jean Gazeau, brilliant scarlet.

The group of tuberous rooted begonias, double flowered, sent in by Urbain, attracted considerable attention. The sorts exhibited in pots were Mont d'Or, a new brilliant yellow sort, and King of the Dwarfs, a new compact double rose, both of which were purchased by Vilmorin & Co.; Paul Dallongeville, a new double red; Petit Henry, bright crimson, small flower; Mme. A. Courtois, creamy white; Avenir, brilliant cherry red; Mme. Louis Urbain, dark rose; Souvenir de Russie, light yellow; Lucie Moury, rose; Soleil d'Austerlitz, firey red; Aurora, salmon; Surpasse Davisii, dark red; Eugene Verdier, bright red, and Coquette de Clamart, deep rose. These begonias make splendid pot plants and deserve to be more extensively grown.

Valleand had a grand exhibit of tuberous rooted single and of crested begonias with some fine plants of his new *B. picta marmorata*, which is red with white spots. Lemoine also won a first prize for his small flowered begonias, Boule de Neige, Antonin Daum, Emile Friant, Aime Morot, Triomphe de Lorraine, Victor Prouve, Gloire du Montet, Emile Galle and half a dozen new seedlings not yet named. He also showed some flowers of new *Anemone Japonica* raised from seed and of his new *Clematis Davidiana-stans*, with blue flower heads, of which the single florets somewhat resemble the wood hyacinth.

Neubronner, of Neu-Ulm, sent in a good lot of *Begonia Rex* in pots, for which he received a first prize. Boivin secured a second prize for his new single rose begonia, Mme. Mandrot, which originated from *Begonia Bertini* and which he claims remains in flower from May to frost and can stand the full sun. Pfitzer, of Stuttgart, showed some fine flowers of his curly begonias, of his large flowered *salvia*, Ruhn von Stuttgart, of *Tritoma uvaria* and of *gladioli*.

One of the most conspicuous exhibits was the display of crotons made by the Society of Sea Baths, at Monte Carlo,

Monaco. The plants staged were all magnificently trained in tall pyramidal form and the gorgeous color of their foliage commended itself to the attention of all visitors. They reflected great credit on the gardener, who, it must be admitted, has at his disposal one of the best climates in Europe. Another fine feature of the same glass house, or palace, were the decorative dracenas, crotons, marantas and ferns exhibited by L. J. Draps-Dom, Laeken-Brussel, to whom several first prizes were awarded. A group of his fine red, white and green striped *Dracena Desmetiana* was particularly conspicuous.

Large collections of cut roses were again contributed by Soupert & Notting, Ketten Freres and Gemen & Bourg, all from Luxembourg, and by our French growers, Leveque & Sons, Boucher, Defresne and Rothberg. Of the hundreds of sorts shown Van Houtte, Mme. Cochet, Mrs. John Laing and Souvenir de Pierre Notting were prominent.

Sander won a first prize for a pretty group of a dozen pots of the small *Retinospora Sanderi*, from Thibet, which the introducer claims is hardy in France. He took the same honor for a dozen pretty plants of *Pandanus Sanderi*. There were only a couple of entries for chrysanthemums and the first prize fell to Lemaire, with fine plants of Mlle. Lucie Faure, Vulcan, Paul Hariot and Andre Hariot.

The competition in cannas was again very keen between Vilmorin, Billiard & Barre and Dupanloup, each firm securing a first prize. Boutreux staged an interesting collection of oleanders. He grows over thirty varieties, prominent among them being *Luteum plenum*, double yellow; Mme. Planchon, double pink, large flower; *Splendens giganteum*, double, rose, very large flower; *Madoni grandiflorum*, half double, white, large flower; *Adeline*, single, white, large flower; *Atropurpureum*, single, scarlet; Mme. Dubois, single, white, large flower; *Felix Bourguet* and *Maguelone*, single, salmon, and Professor Martin, single, dark rose.

The fruits shown this time were of rare quality. There was capital competition between the growers and the judges must have had hard work. The Horticultural School of Zawada, at Czenstochowa, Russia, sent some peaches grown on trees which are claimed to endure in the open a Fahrenheit temperature 22° below zero. This may interest some of your peach growers. Speaking of peaches, I must also say a word of the splendid fruits which were sent from the famous gardens of Montreuil, near Paris. It may astonish many of your readers, who can buy a basketful for a trifle, to learn that the good Montreuil peaches are always readily sold at from 25 to 50 American cents apiece. Many of the trees are venerable and often more than 100 years old. When they die the young shoot which springs up from the old stump is well cared for and continues the tree.

A good deal of attention was also centered on the big apples, Grand Alexander, bearing the portraits of our president, of the czar, czarina, etc. The scheme met with great success at the dinner given in Paris to the Russian emperor and empress two or three years ago and has been continued since for exhibition apples. To accomplish it, it is only necessary to stick the portrait, printed on cloth on the apple and to enclose the latter in a bag, as is the custom with grapes or apples for exhibition. The apple takes its natural color except

on the space given to the portrait, which takes a lighter shade.

Before concluding I must also mention the splendid collection of vegetables sent by Vilmorin, which included a splendid lot of pumpkins, squashes, peppers, egg plants and excellent specimens of the leading other vegetables. Noteworthy were two new egg plants, one called Black Snake, sent out last season by a German firm, which is about ten inches long, often bent and twisted, and the other called Brynial, which is pear-shaped, first of a purplish color turning later to an interesting yellow.

PARISIAN.

Wholesaling Cut Flowers in Chicago.

It is not so very many years ago that the wholesale cut flower business of Chicago was insignificant in comparison with that of the east, but the recent development has been so rapid that those who are not frequent visitors to this market can have little idea of the present status of the trade in the second city of the country. Prof. B. T. Galloway recently told the S. A. F. that the government statistics of floriculture showed the business in Illinois developing with a celerity quite outclassing the other sections of the country. And along with the increase in glass and the mastery of the art of producing quality with quantity, the methods of marketing the product have been ground down to as fine a point as has been reached in any city. Naturally the increase in glass has bred wholesalers and commission men and the exigencies of competition have resulted in every one of them surrounding himself with the most approved facilities within his means. We reproduce herewith a photograph of one of the representative places, that of E. C. Amling. Mr. Amling started in business in a small way about five years ago and last winter had attained a development which warranted him in moving into the room shown in the illustration. During the summer he has been busy adding to and improving his facilities for the proper handling of cut flowers until he has his place thoroughly up to-the-minute. He has marble floors, zinc covered counters, an ice box built by a man who knows his business, long distance telephones and all the et ceteras which most florists, either wholesale or retail, have learned to regard as profitable investments.

New York.

HEAT PLAYS HAVOC IN THE CUT FLOWER MARKETS.—SEPTEMBER THE DULLEST IN YEARS.—EXCELLENT FALL EXHIBITION AT THE AMERICAN INSTITUTE.—NOTES OF THE MANY EXHIBITS.—JOTTINGS OF INTEREST.

The warm weather of last week gave the cut flower trade a setback from which it has not yet recovered. The quality of roses has not improved and they are, on the contrary, now very poor again, particularly the Bridesmaids. American Beauty sells as well as anything but it has suffered with the rest. Carnations get better in stem and size of flower and of these, at least, there is no surplus. Violets are now coming in faster than they can be sold, although this is not saying much. They are not shapely yet and there is little about them, so far, to awaken enthusiasm. Last week brought to a close probably the dullest September the flower business has seen for years. It is a month that



STORE OF E. C. AMLING, CHICAGO, AT 9:06 A. M.

never amounts to a great deal anyway, but it may reasonably be expected to show some evidences of what is to follow. If this year's record for that particular time has any such meaning, then the prospects are not over-encouraging, but we hope differently.

The fall exhibition of the American Institute, on September 25, 26 and 27, was a more ambitious one than some of its predecessors, in plants and flowers particularly. Handsome groups of decorative plants, orchids, etc., were contributed by Julius Roehrs, Lager & Hurrell, W. Rockefeller, Wm. Turner, gardener; E. D. Adams, G. H. Hale, gardener, and the State Hospital, W. Thompson, gardener. The latter named exhibitor introduced vegetables, fruit, etc., in his group with good effect. C. G. Roebing, H. T. Clinkaberry, gardener, was awarded a certificate of merit for *Cattleya gigas* var. *Roebingiana*. Mrs. J. Hood Wright, Jas. Bell, gardener, showed some handsome *caladiums*. In the cut flower section dahlias predominated, the principal exhibitors being H. F. Burt and Lothrop & Higgins, the two big Massachusetts' growers who made so fine a showing last year. Other exhibitors of dahlias were Rowehl & Granz, Henri Beaulien, E. D. Adams and Rev. W. C. Bolton. A new scarlet gladiolus named *Princes* was shown by the *Rural New Yorker* and received a certificate of merit. John Lewis Childs and N. Hallock were large contributors of gladiolus blooms.

A number of growers are looking for a party named Wm. Miller who represented himself as having been in business in Columbia, Pa., and a few months ago leased a place in Astoria. He is now among the missing, having paid no rent, and left many other accounts unpaid. He is described as from 30 to 35 years of age, about five feet seven inches in height and roughly dressed.

Two Jersey City florists, Emil Bonnot and Daniel Cole, the latter also an alderman, are having a wrangle over the proposed erection of a high fence between their respective properties by Mr. Bonnot, which the alderman claims is a "spite fence" and an illegal infringement on his rights.

Smith & Hammen have opened a new store at 860 Sixth avenue, formerly occupied by C. L. Doran and later by Richard Warner.

Fred. Stewig, for the last few years with Herman Kuhn, has bought out and opened the store formerly occupied by Fred. Donahue, 960 Sixth avenue.

Jos. Cowles, of Newport, R. I., sailed on the S. S. Oceanic on Tuesday. Mr. and Mrs. William Plumb also sailed on the same steamer with the intention of remaining in England.

Henry Butler is seriously ill and confined to his home.

WILMINGTON, DEL.—Chas. F. McCaffrey, 27 years of age, employed by A. Baylis, committed suicide by jumping into the river on the morning of September 25.

Boston.

BEAUTIFUL AUTUMN WEATHER NOT APPRECIATED IN THE TRADE—SHARP FREEZE WANTED TO ENLIVEN THE MARKET.—CARNATIONS AT PATTEN'S.—PLANT PREPARATIONS AT EDGAR'S.—FRUIT AND VEGETABLE EXHIBITION.—GOOD EXHIBITS BUT NOTHING NEW IN SIGHT.—VARIOUS NOTES OF INTEREST.

We are enjoying a season of beautiful autumn weather now, with nothing particular to find fault with excepting the effects of the dry season, which it will take many days of steady rain to fully obliterate. The greenhouse flower dealer naturally objects, for business reasons, to any weather that prolongs the period of outdoor bloom and will not be sorry to see the gardens' beauty finish in a good sharp freeze, and the retail store keeper, also, is willing to see the suburban and rural attractions brought to an end in the same fashion if only this will send his customers trooping back into town, but nobody seriously looks for any steady business activity until after election day and whatever comes in the meantime is just so much found. Roses are still in excess of the demand and many of them are coming in rather soft and languid because of the warm weather. American Beauty, which for a time seemed to be exempt from the prevailing dullness, is getting it this week and, while the dealers are not inclined to lower quotations on any desirable grades, Beauties are beginning to accumulate in

wholesalers' hands in a rather discouraging manner and with prospects of more or less loss while present conditions exist. Carnations are, fortunately, growing shorter in cut, with quality below the average and demand fairly brisk. As to other staples of the market there is nothing special to be said at present.

Carnations hereabouts made a good growth in the field the past summer notwithstanding the unusually dry and hot season. Patten & Co., at Tewkesbury, had 40,000 planted out and there never was a lot of carnations freer from disease than these were, although a portion of the field had been planted to carnations eight consecutive years. Mr. Patten is one of the most enthusiastic carnationists in this section and gives every new aspirant a chance to show what it will do in the light, thin New England soil. Especially large and strong this season are Morning Glory, Olympia, The Marquis, Lawson, Brown, Crocker, Bradt, Walter, Melba and Mangold. Joost, Adams, Roslyn, Chicago, John Young, Crane and Genevieve Lord are also good and with exceptionally fine, tufted roots. White Cloud, Glacier and Gomez are rather light. Peru gives evidence of being an early variety, just what is needed in whites. Apart from a very little stem rot on Joost no disease of any kind is to be seen. For outside summer flowering Mr. Patten has been growing Crane, Joost, Fisher, Walter, Bon Ton and Edith Foster. The latter is decidedly the best white for this summer, making good flowers and requiring little budding. Most of the other varieties named were inclined to be very stubby this year.

The fact that Easter is coming is forcibly impressed upon the visitor to Wm. Edgar's Waverly establishment, even at this date. Acacias, ericas, genistas, azaleas and other specialties for that still remote event occupy a large share of the available room. Boston ferns, Adiantum Farleyense, ficuses, asparagus baskets and fern pans attest the fact that the plant business in the interim will not be neglected. One of the best novelties seen here is the crested Nephrodium molle corymbosum that is bound to take its place as a basket fern alongside the now indispensable Aspidium tensesense. Mr. Edgar is extending his big plant house another hundred feet, but even with this roomy addition it is difficult to see how he will house the large stock on hand. The early chrysanthemum, Fitzwygram, has been in bloom for some weeks. Adiantum tenebrum is grown largely here for cutting and is in steady demand for baskets and large work for which the common A. cuneatum is too frail and light.

The annual fruit and vegetable exhibition which was held at Horticultural Hall last week was remarkable for the superb quality of the exhibits. Pears and apples were unsurpassed. Only one regret comes up in contemplating such a magnificent demonstration of Massachusetts' possibilities in fruit raising, and that is the absence, for years, of anything new. In the strawberry line, earlier in the season, there is always something to be seen to indicate advancement, but progress in the development of fall fruits seems to have nearly ceased. Whether because the limit of quality has been reached or because, as some assert, the young, progressive element in horticulture finds landscape gardening and similar lines more remunerative and attractive than the pomological field, is a question. If there is a Hovey or a

Wilder in the present generation he is keeping himself assiduously hidden.

In the vegetable department, which occupied the entire lower hall, nothing was more interesting than the grand collection displayed on the stage by E. C. Lewis, for which he received a silver medal. It was a most impressive and striking example of what can be accomplished by one apt man. There were enough plants and flowers distributed through the halls to give the necessary decorative effect to the exhibition. Mrs. J. L. Gardner, W. Thatcher, gardener, won first prize for show plants and E. S. Converse, D. F. Roy, gardener, was second. A beautiful showing of choice herbaceous flowers was made by the Blue Hill Nursery and H. F. Burt was on hand with another fine collection of dahlias including sixty named varieties of the cactus type and seventy-five of the show and decorative sorts. F. A. Blake's display of fifty-six named geraniums, including the "Cottage Gardens collection," was greatly admired.

Mrs. Lynes, wife of J. W. Lynes, of Ingram & Lynes, of Reading, died suddenly in New York, on September 23. She leaves a six-months-old baby. Much sympathy is expressed among the trade. The body will be taken to England for interment.

F. R. Mathison has just returned from a trip to the White Mountains in company with friends. Next best to actually going there is to listen to Fred's entertaining account of his experiences in that "Switzerland of America."

It is announced that Superintendent Doogue has made arrangements to have the plants in the public gardens next summer numbered to correspond with a complete descriptive catalogue which is to be distributed free.

Michael Coffey, aged 70 years, who for some years conducted a greenhouse in Dorchester, of late employed as a janitor, was found dead in a field near his home on October 1. The cause was heart disease.

Edmund M. Wood is a candidate for the nomination on the democratic ticket at Natick, as representative to the Massachusetts legislature.

Boston has been favored with a big influx of visitors this week, some bent on selling, others on buying. Among them were C. B. Knickman, representing Bobbink & Atkins; John Barclay, representing Vaughan's Seed Store; J. Austin Shaw, representing Jackson & Perkins Co.; F. O. Willard, Taunton; Jos. Fuller, Leominster; G. H. Hill, Haverhill; E. L. Hoxie, Cotuit; E. Jacobson, Montpelier, Vt.; H. F. A. Lange, Worcester.

Philadelphia.

BUSINESS SHOWS A VERY CONSIDERABLE IMPROVEMENT.—PRICES ARE VERY REASONABLE.—CHRYSANTHEMUMS ARE IN DEMAND.—OCTOBER MEETING OF THE CLUB.—A WEDDING AND VARIOUS ITEMS.

There is quite an improvement in the business situation at this writing. That the people have returned from their summer journeys is more evident every day in the increased demand for plants and cut flowers. The stores have commenced to stock up with plants and the growers are feeling the local demand which usually follows their shipping trade. Roses are improving but it will be some time before they can be called at all finished. Beauties are first in demand and range in price from \$1 to \$1.25 per dozen. Brides and Bridesmaids are \$3

per hundred, while \$4 is asked for a few of the extras. Kaisersins and Meteors range about the same. Carnations are not gaining very fast and are rather small and short stemmed; \$1 is asked for the best medium and \$1.50 for the extras. A few single violets are coming in but they scarcely last the day out. No doubles are obtainable as yet. There are quite a number of orchid displays being made in the windows of the swell shops. Orchids are so cheap now that it pays to carry them for the show they make. Asters are done but there are dahlias coming in to take their place. No chrysanthemums are in sight as yet. We hope to see them soon, as the people are hungering and thirsting after novelties and seem always in advance of the season. Cosmos is frequently called for but only the dwarf kind is in the market, and little of that.

At the October meeting of the Florists' Club last Tuesday evening, the annual election for officers was held and resulted in the election of the old board, president, W. K. Harris; vice-president, John Westcott; secretary, Edwin Lonsdale; treasurer, J. W. Cofresh. Robert Kift repeated his illustrated lecture given before the convention. There were quite a number of visitors present, as a general invitation had been extended to the public. The meeting was held in the lecture room of the horticultural society, the business of the meeting being transacted after the lecture. The subject for the next meeting is chrysanthemums and the committee is hard at work looking up a talented speaker. L. K. Peacock made an exhibit of single and new dahlias which was admired. He received a vote of thanks for the same.

Arthur Burton, John Burton's eldest son, was married last Tuesday evening to Miss Edith D. Harper, at Grace Methodist Church, Broad and Master streets. A reception followed at the home of the bride's parents, which was attended by many of the craft.

Charles Fox, Jr., of Twenty-first street and Columbia avenue, has rented a store temporarily on Chestnut street, under the old Girard House, and is advertising bargains in plants.

Mrs. Wolf, of Broad and Columbia streets, is soon to place a new wagon on the street, which is about all a florists' delivery wagon should be.

Jacob D. Eisele arrived from Europe last Tuesday. He looks well and says he had a most pleasant summer.

Thomas Minge has resigned his position at Fairmount Park after many years of service.

John Burton and John Westcott have been down on Barnegat Bay, trying the fish again. K.

Chicago.

STATE OF THE MARKET.—BUSINESS ON THE UP GRADE.—ROSES IMPROVING.—CARNATIONS IN VERY GOOD DEMAND.—CHRYSANTHEMUMS IN ACTIVE CALL.—DOINGS AT WESTERN SPRINGS.—BUILDINGS.—CANNAS MAKE FINE SHOWING.—A NEW FRENCH SORT.—VARIOUS ITEMS OF INTEREST IN THE TRADE.

While trade has improved considerably in the period since last report, it is by no means what it should be, nor what it would be with the frost which should have been here ere this. Frost to kill off the outdoor flowers, which are now very poor at best, would not only put some life into the demand, but it would cut down

the production of soft tea roses, improve qualities in general and stiffen prices. The only loss would be on carnations in the field. Carnations are not over-plentiful now; in fact, sometimes it requires a good deal of effort to locate necessary blooms, particularly when some particular shade of color is required, and a great many of the best flowers are cut out of doors. This has been an exceptionally favorable season for field culture of carnations and the growers who have disbudded and cared for their stock are at present reaping their reward in very fair average returns. Of roses Beauties are in strongest demand and of best quality. Nice, clean stock is the rule with nearly all the growers, and perfect buds are obtainable on all kinds of stems. The Brides and Bridesmaids are improving in quality and demand and Meteor is giving slightly increased cuts, but such rose specialties as Golden Gate, Liberty and La France are not yet obtainable in quantity if there is a stipulation as to quality. There seems to be an active demand for chrysanthemums, but inquiry among the growers elicits the very general response that crops will be somewhat late. The aster crop has virtually all been harvested before frost this year. There are a few dahlias in sight but not enough to make any impression on the market.

There is a large number of men now at work at Vaughan's greenhouses, Western Springs, Ill., setting the place in order for the coming season's trade. New packing sheds and office buildings have taken the place of the old ones and are nearly completed. The structure is 36x300 feet and fully equipped with every modern appliance for expeditious work. In the extensive canna plantations many hands are engaged taking up the plants. So far the frost has scarce touched these plants here, and the great blocks of color still impress one with the splendid utility of the canna for decorative purposes. It is only the well proved standard sorts that are grown in quantity, but the manager, James S. Wilson, has a few meritorious seedlings, particularly a yellow with faint orange markings. Egandale, Leonard Vaughan, Alphonse Bouvier, Charles Henderson and Dwarf Florence Vaughan loom up in fine shape. L. Patry is probably the best of the recent French sorts. It attains to a height of five feet and has good green foliage. The salmon red flowers are of fair size and produced very freely in large, many-branched heads. The newer phloxes are also grown in considerable quantity and they are now exceedingly showy. Dahlias look well, also field plants of carnations, especially The Marquis.

At the Florists' Club's special meeting at the Sherman House, Saturday, September 29, committees were appointed to solicit subscriptions for the Galveston florists. The committees were to report at the regular meeting last night, but any of the wholesale houses will still receive and forward donations.

"Cash" Bickford, who is well known for the size of his operations, after a summer lay-off, has opened a store at 84 Jackson boulevard. "Cash" says that the money is not made in selling but in buying, and that location cuts little figure, the trade going where there is stock to choose from.

The violet growers, are, in general, felicitating themselves this year. Their plants are in good health and promise large yields. Cuts are pretty heavy already, one commission house receiving

2,600 on October 2; the best ones sold readily at \$1.25 a hundred.

George Reinberg has been shipping carnation plants by the two-horse wagon-load this week and the other growers are doing a great deal in that line. Many varieties are now very scarce.

The State street stores have required some good decorations this week and the florists themselves have awakened to the extent of putting some life into their window displays.

Wietor Brothers, who formerly sent in all their cut early in the morning, now have a shipment reaching the store at 2 p. m., the same as the other large growers.

McKellar & Winterson shipped out 550 doves on a single order the other day. They were for a street fair in a provincial city.

At Kennicott's the other day they had a pot of auratum lilies, many of which were double, having two complete rows of petals.

Bentley & Co. are receiving some Flora Hill, Triumph and White Cloud carnations which are very fine for the season.

The George Wittbold Company reports plant trade picking up at a wonderful rate in the past week.

Jacob Meyer, of Niles Center, celebrated his forty-third birthday anniversary September 4.

Mrs. E. H. Hunt has gone to Seattle to visit in the family of her daughter-in-law.

Visitors: W. H. Drake, Kenosha; George Faber, Kankakee; A. Anderson, Batavia; J. W. Miller, Freeport.

Milwaukee.

NOTES OF THE DOINGS AT THE OLD DEUSTER RANGE.—PROBABILITY OF A CONSIDERABLE INCREASE THERE NEXT SEASON.—JOTTINGS HERE AND THERE AMONG GROWERS AND WHOLESALEERS.

Albert Hoga has the houses of C. C. Pollworth Co. in excellent condition. Kentias and Boston ferns are particularly good. W. A. Kennedy, who occupies the balance of the Deuster houses, has been hard at work and certainly has the promise of some choice stock this winter. House after house of carnations are clean and disbudded. As they show up to-day Ethel Crocker is the prettiest flower. Mrs. Lawson will doubtless forge to the front later on. Mary Wood is very good, also Flora Hill, Evanston, and others. Roses are in prosperous condition. Mr. Kennedy likes Golden Gate and is making a success of it. His 1000 plants of Liberty look like business but it is too early to judge of its paying qualities. He has a sport of the Perle des Jardins, pink, somewhat darker than Golden Gate, foliage and habit of growth the same as Perle. He has the true *Asparagus plumosus nanus*, a plant very much advertised but hard to get. Mr. Kennedy has purchased land a short distance west of where he now is and is arranging plans for a range of glass which will, in all probability, be built next summer. The C. C. Pollworth Co. will no doubt increase their plant business to occupy the whole of the Deuster place.

Heitman & Bierman have a beautiful piece of ground out on North avenue, where they have just glazed four houses, each eighty feet long, three for carnations and one for violets. The boiler room and work shop have been calculated for a large plant, to be added later. They have everything required for success. Mr. Bierman has been with Currie Bros. for some years.

The first fine box of violets arrived October 3, from Loeffler and received a hearty welcome. Choice flowers are exceedingly scarce just now, but carnations are quite sure to be plentiful in another week and roses have picked up nicely during the last ten days. Smilax and asparagus are plentiful.

Mr. Zipnick, who has made a specialty of mignonette, complains of smoke from the rolling mills damaging his crop. He thinks he will have to grow something else or move to another location.

Alabama smilax has been used quite extensively in the last three weeks. It seems to be of better quality than last season and is now kept on hand by our wholesale dealers.

Miss Anna Poehlmann, the popular bookkeeper for Holton & Hunkel Co., has returned from her European trip and is hard at work again.

Holton & Hunkel Co. have just finished a large cool room that will hold a car-load of flowers. C. B. W.

St. Louis.

BUSINESS SHOWS DECIDED IMPROVEMENT.—CARNATIONS SCARCE.—FLORISTS' CLUB TO MEET.—NOTES AND VISITORS.

Business is decidedly better than it has been for some time. Two large funerals and the hall Tuesday are no doubt responsible to a large extent for the improved condition. Prices have stiffened up a shade and stock is fairly plentiful, with the exception of good carnations. These would have brought \$2 Tuesday. Roses are in right supply to meet the demand, and there are Beauties galore, but a very small percentage of them have the desired length of stem.

The next meeting of the Florists' Club occurs Thursday, October 11, and as this will be most interesting and instructive it is hoped that there may be a full attendance. Essays will be read by Emil Schray entitled "Profitable Winter Blooming Plants," and by F. J. Fillmore, "The Best Method of Growing and the Best Varieties of Roses for Present Demand."

About 1,500 persons attended the wild flower show last Saturday, given by the Engelmann Botanical Club. The club met last Thursday and viewed some lantern slides illustrating the yuccas and some of their allies.

Visitors in town: C. W. Scott, of Vaughan's Seed Store; A. J. Pieters, of the Department of Agriculture, Washington; T. J. Wright, Pittsburg, Kan.

F. W. MAAS.

Peoria.

KING CORN TO HOLD SWAY.—ANTICIPATIONS OF INCREASED TRADE.

Peoria is gay with preparations for the corn carnival and florists are looking for an increase in trade. There are plenty of good roses and carnations are increasing; they have been rather scarce. Jewish New Year brought quite a brisk demand for cut flowers; otherwise trade has been rather quiet. A few good Princess of Wales violets are seen at Murray's.

Geo. A. Kuhl, of Pekin, is looking very much benefited by his rest in Dakota this summer. His Boston ferns are very fine and his stock large.

Cole Bros. will increase their place by 25,000 feet shortly, principally for roses.

PEORIAN.

MARION, IA.—George Hutton has started a florist business here with two houses 15x100 and one 8x30.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back page.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

AT C. W. Ward's, Queens, N. Y., they
call Kate Gray the "high gear" canna.

It will soon be time for the palm
swindler to commence operations again.

THE indications are that the chrysan-
themum is at the threshold of a very
good season

MENTION is made in the *Garden of*
Kniphofia (*Tritoma*) Tucki, a new
species which is said to flower unusually
early.

THE adjustment of labor difficulties in
the anthracite coal fields restores to
many growers profits which were thought
to be vanishing.

TRITOMA PFITZERII is a very desirable
subject with which to fill a large bed,
placing the strongest plants in the center
and the smaller ones by the margin.

SURPLUSES of field grown carnation
plants are being rapidly taken up and
those who provided wholesale stocks of
the right varieties have done a large
business.

Treatment of Carnation Blooms.

In a recent issue of another paper it
is recommended to place carnation blooms
in a temperature of 40° after cutting.
This is wrong. The temperature should
never be allowed to go below 50°, and
two or three degrees above that point is
better than a like number below.

Absolute cleanliness in the storage
room, a good circulation of dry, pure
air, a half light instead of darkness dur-
ing the daytime and the above tempera-
ture will greatly improve the size, appear-
ance and keeping qualities of blooms if
stored under these conditions for twelve
to fifteen hours. We find that some
varieties continue to improve up to
thirty hours of storage.

Ice is poison to carnations and should
never be used when it is possible to avoid
it. When compelled to choose between a
60° temperature and the ordinary ice-box
we prefer the 60°. Damp floors or walls,
a close, confined atmosphere, dirt or filth
in the room, especially decaying vegetable
matter, are to be avoided. The proper
cutting, storage, sorting and packing of
carnations has almost as much to do
with the placing of first-class flowers on
the market as the grower's skill in pro-
ducing the flowers. One sees daily in
our large markets thousands of blooms
which could, by proper handling after
cutting, have been increased one-half in
value.

W. N. RUDD.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

M. H. Walsh, of Woods Holl, Mass.,
registers a new rose, Flush o' Dawn, a
hybrid tea; flowers light pink changing
to white, fragrant, five to six inches in
diameter when open; vigorous grower;
stems two and one-half to three feet;
foliage dark and glossy; continuous
bloomer.

W. Atlee Burpee & Co., Philadelphia,
Pa., register the following new dahlias:
Salmon Queen (Peacock). Decorative;
height three and one-half feet; bushy
grower; flowers large, salmon, deepening
to orange salmon towards center;
petals long-pointed. Harlequin (Bassett).
Fancy; dwarf, branching, with long
slender stems; height two feet; flowers
small to medium, crimson with white
stripe through each petal; stripe some-
times suffused with pink; flowers occa-
sionally solid crimson.

Gastav Obermeyer, Parkersburg, W.
Va., registers new canna, West Virginia,
a seedling of Queen Charlotte, color of
Gloriosa with narrower yellow band.
Full spike and very dwarf.

W. J. STEWART, Sec'y.

Greenhouse Building.

Holliston, Mass.—J. E. Low, one house.
Mattapan, Mass.—J. H. Morton, house
10x100.

Troy, N. Y.—Wade Bros., house 20x125.
Jewett City, Conn.—A. A. Young, Jr.,
house 16x140.

Flushing, N. Y.—J. J. Bechamps, one
house.

Manchester, Mass.—W. F. Spry, carna-
tion house 28x70, storage house 16x60.
Spencerport, N. Y.—H. E. Rogers, one
house.

Hartford, Conn.—W. A. Powers, one
house.

Adams, Mass.—A. J. Boothman, house
16x75.

Jerseyville, Ill.—Fred. Bezner, one
house.

Waban, Mass.—Miss Bowen, carna-
tion house 23x95.

Woodsville, N. H.—Fred. Randall, one
house.

Sonnenberg, N. Y.—Saunders & Meade,
house 20x60.

Norwell, Mass.—C. A. Barry, house
150 feet long.

Parkersburg, W. Va.—J. W. Dudley &
Son, two houses.

Jamestown, N. Y.—Lakeview Rose
Gardens, five houses 34x242, carnation
house 28x242, house 24x40, rose house
12x170, violet house 12x242.

Memorial Day Flowering Plants.

ED. AM. FLORIST:—Please give a list of
the most desirable flowering plants for
sales around Memorial day.

Illinois.—The following are the plants
mostly in evidence at Memorial day:
Alyssum, bellis, begonias, carnations,
fuchsias, feverfew, geraniums, heliotrope,
hydrangeas, lantanas, myrtle, myosotis,
pansies, petunias, roses, salvias, etc.

THOMAS WALLIS.

Massachusetts.—I would mention
among hardy shrubs the lilacs, rhodo-
dendrons, Azalea mollis and Ghent
azaleas, Spiraea Thunbergi and S. Van
Houttei. Among more tender plants
which require but little heat are Hydran-
gea hortensis, pansies, forget-me-nots,
English daisies and Silene pendula com-
pacta.

H. WILSON ROSS.

Pennsylvania.—We find the most desir-

able flowering plants for sales at Memo-
rial day to be, first, geraniums, they
being used more freely, both in and out
of pots, than any other plant; next
comes roses, after them hydrangeas,
astilbes, Deutzia gracilis and Lilium
longiflorum. We also find 10-inch or 12-
inch pans of pansies, myosotis or button
daisies to sell readily.

JOHN WESTCOTT.

Adhesive Whitewash.

ED. AM. FLORIST:—Please inform me
through the columns of your paper what
can be mixed with air slaked lime and
water to make it stick to wood without
peeling off after a couple of weeks, and
oblige.

E. A.

Replying to the inquiry of "E. A." I
would advise not to use air slaked lime.
Use fresh lump lime. For each fifty gal-
lons of whitewash add two quarts of
linseed oil and one pint of salt. The oil
and salt should be put on the lime before
slaking and the mixture boiled up
together. Another easy method of mak-
ing whitewash adhesive is to add to each
fifty gallons of whitewash, two quarts
of ordinary calciminer's sizing.

S.

Coming Exhibitions.

[Secretaries are requested to supply any omis-
sions from this list.]

BALTIMORE, Md., February 21-22, 1901.—Exhibi-
tion of the American Carnation Society. Albert
M. Herr, Sec'y, Lancaster, Pa.

BOSTON, MASS., November 6-9.—Chrysanthe-
mum show, Massachusetts Horticultural Society.
Robert Manning, Sec'y, Horticultural Hall.

CHICAGO, ILL., November 6-10.—Annual exhibi-
tion, Horticultural Society of Chicago. W. N.
Rudd, Sec'y, 1002, 185 Dearborn street.

COLD SPRING, N. Y., November 8-9.—Second
annual exhibition, Putnam County Horticultural
Society. John A. Connolly, Sec'y.

DENVER, COL., November 7-9.—First exhibition,
Denver Florists' Club. A. M. Lewis, Sec'y.

HARTFORD, CONN., November 6-9.—Chrysanthe-
mum and carnation exhibition, Connecticut
Horticultural Society. L. H. Mead, Sec'y, Hart-
ford.

HOUTON, TEX., November 15-16.—Seventh
annual chrysanthemum show for DePelchin
Home. Mrs. M. E. Bryan, Sec'y.

MADISON, N. J., November 7-8.—Fifth annual
exhibition, Morris County Gardeners' and Flor-
ists' Society. Chas. H. Atkins, Sec'y, Madison.

NEW HAVEN, CONN., November 14-16.—Exhibi-
tion of New Haven County Horticultural Society.
Robert Veitch, Jr., Sec'y.

NEW YORK, November 14-15.—Chrysanthemum
Show, American Institute. George Whitefield, Jr.,
Sec'y, Berkeley Lyceum Building.

PHILADELPHIA, PA., November 13-17.—Annual
exhibition, Pennsylvania Horticultural Society.
David Rust, Sec'y, Horticultural Hall, Broad
street.

POUGHKEEPSIE, N. Y., November 6-8.—Annual
exhibition, Dutchess County Horticultural
Society. W. G. Gommersall, Sec'y, Poughkeepsie.

PROVIDENCE, R. I., November 14-16.—Chrysan-
themum exhibition Rhode Island Horticultural
Society. C. W. Smith, Sec'y, 61 Westminster
street.

SAN FRANCISCO, CAL., October 25-27.—Fall
exhibition California State Floral Society. Mrs.
Henry P. Tricon; Sec'y, 846 Grove street.

ST. LOUIS, MO., November 14-16.—Tenth annual
chrysanthemum exhibition, St. Louis Florists'
Club. Emil Schray, Sec'y, 4101 Pennsylvania
avenue.

WACO, TEX., November 13-17.—Fifth annual
chrysanthemum show, Texas State Floral Society.
Mrs. M. B. Davis, Sec'y, Waco.

Buffalo.

TRADE FAIR BUT CONFINED TO WEDDING
WORK.—STOCK EQUAL TO ALL DEMANDS.
—VARIOUS NOTES OF INTEREST.

With weather like summer, trade is
very quiet, at least in so far as counter
sales are concerned. There are quite a
number of weddings requiring the use of
large numbers of flowers, the orders
being well distributed. Stock is in fair
supply and constantly improving in qual-
ity. Beauties, Kaisersins and Meteors
are fine. Chrysanthemums are obtain-
able but their size is nothing to brag

about. W. C. Stroh, of Attica, was first in with them. Jerry Brookins, of Orchard Park, has the best carnations at present in sight.

S. A. Anderson is to have a fine new delivery wagon. Better wait a little while and get an automobile.

W. A. Adams has his fine new ice box in full show now.

Prof. Cowell contemplates a trip east next week.

W. A. Manda, of South Orange, N. J., was a recent visitor. W. A.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its monthly meeting September 27 and the F. R. Pierson Company made a grand display of dahlias, exhibiting seventeen varieties, which was awarded a certificate of merit. They also showed three vases of cannas, Rosemawr, Kate Grey and Tarrytown; the two first named varieties were awarded certificates. Wm. Turner showed seven varieties of dahlias, the colors being excellent. John Egan was awarded a certificate of merit for his new seedling canna; the color of the flower is orange scarlet, the foliage a dark bronze. Mr. Egan showed a vase of Dahlia camelliaflora. The exhibits created considerable discussion on dahlia culture. The following were elected to membership: Alex. Hoag, E. Hansen, F. S. Pammer, Chas. Briggs, Wm. P. Ross and C. Robinson.

R. ANGUS.

Catalogues and Cut Flower Price Lists Received.

The Herendeen Manufacturing Co., Geneva, N. Y., boilers, pipe, fittings, etc.; H. J. Jones, Hither Green, Lewisham, S. E., Eng., bulbs and tubers; W. J. Godfrey, Exmouth, Devon, Eng., winter-flowering carnations; Wilhelm Pfitzer, Stuttgart, Germany, roses; A. Tilton & Son's, Cleveland, O., bulbs; Joseph Bancroft & Son, Cedar Falls, Ia., house plants; Souper & Notting, Luxembourg, Germany, general catalogue; J. Hay & Sons, Brockville, Ont., and Alexandria Bay, N. Y., foreign and American bulbs; F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., bulbs; C. A. Christiansen, Southall, London, Eng., waterproof paper; Conard & Jones Co., West Grove, Pa., plants; Cedar Hill Nursery Company, Winchester, Tenn., planters' wholesale price list; Albert M. Herr, Lancaster, Pa., carnations; E. H. Hunt, Chicago, Ill., cut flowers and florists' supplies; Holton & Hunkel Co., Milwaukee, Wis., cut flowers; E. C. Amling, Chicago, Ill., cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies; C. C. Pollworth Co., Milwaukee, Wis., cut flowers.

EAST WILLIAMSBURG, N. Y.—Jacob Gerlinger, one of the prosperous florists of the vicinity, has been missing since September 8.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant adv. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 73 E 26th St. Chicago.

SITUATION WANTED—By a young man in a private or commercial place; 3 years in last place; open for engagement Nov. 1st. Best of references. State wages with or without board. Address P. O. Box 983, Portsmouth, N. H.

SITUATION WANTED—By lady in store or greenhouse. First-class designer and decorator. Life experience. Address C. H., care Am. Florist.

SITUATION WANTED—By practical florist, competent in all its branches; good propagator of roses, carnations, 'mums, etc. Single; speaks English and German; 37 years of age. Address C. R., care American Florist.

SITUATION WANTED—By a practical and trustworthy florist as working foreman; 16 years' experience in cut flowers and general assortment of plants. German; single. State terms and wages. Address GROWER, care American Florist.

SITUATION WANTED—By a florist; 9 years' practical experience in general greenhouse work; capable of taking full charge of small place; age 25. Good references. State wages. GEO. N. PHILCOX, Oconomowoc, Wis.

SITUATION WANTED—By experienced florist. No. 1 rose and cut flower grower. Carnations, 'mums, violets specialties. Good decorator and designer. Best of references. Address FLORIST, 1021 West Third St., Canton, O.

SITUATION WANTED—By steady, reliable, married florist and gardener, to take care of gentleman's private place or club use; is willing to do house and barn work. Chicago or vicinity preferred. Address P. S., care American Florist.

SITUATION WANTED—As foreman by a practical grower of roses, carnations, 'mums, violets, palms, ferns, etc. Forcing of bulbs a life experience. Only those able to pay good wages need apply. Best references. D. P. N. 249 N. 10th St., Philadelphia, Pa.

SITUATION WANTED—Having had my business place swept away by the late storm, I wish to find a responsible position in a commercial or private establishment or buy a partnership with a northern florist. Am well up in floral arrangements and decorations and a specialist in palms, ferns, orchids, etc. Can give first-class trade and business references. OTTO FEHRLIN, Galveston, Tex.

WANTED—Assistant rose grower; single. References J. B., care American Florist.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS. B. BULL, Bakersfield, Cal.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B., care American Florist.

WANTED—Reliable, competent man. Fine roses, 'mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—A first-class carnation grower. Send references and state salary expected. Only first-class man wanted. Apply to TEXAS SEED & FLORAL CO., Dallas, Texas.

WANTED AT ONCE—Grower of roses, carnations, 'mums and general stock, and a good propagator. \$30.00 per month with board and room. References. C. HUMFELD, Clay Center, Kan.

WANTED—One or two men with small capital to run my greenhouse plants. No competition, good location, best shipping facilities. A fine opportunity. MRS. L. B., care American Florist.

WANTED AT ONCE—A man who understands growing roses, carnations, and design making. State wages and references. Can take place at once. JOHN CORBETT, Mt. Sterling Floral Co., Mt. Sterling, Ky.

WANTED—A young man to assist in a first-class floral store; must be a fair salesman and make himself useful in general about the store. State references and wages. Address W. S., Cincinnati, Ohio.

WANTED—Young man with some experience to work in greenhouses, roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address R., care American Florist.

WANTED—First-class rose grower, American Benites, to work under superintendent. Must come well recommended from good parties. The right man can get a first-class position. Address LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

WANTED—Experienced assistant in greenhouse; retail place of 15,000 square feet of glass; must understand roses, carnations and propagation; German; married man preferred; \$10 per week. Steady place. Address OHIO, care American Florist.

WANTED—Experienced man in office to assist and pack flowers for wholesale market; to wait on customers and do design work. Only reliable, competent man wanted, with first-class references. Address DESIGNER, care Eastern Office Am. Florist, 67 Bromfield St., Boston, Mass.

WANTED—For Wisconsin, experienced man to take charge and grow good roses, carnations and a general assortment of plants for retail store trade. Must be honest, sober, reliable and a good worker. Steady place to the right man. State wages wanted, age, married or single. References. Address M. G., care American Florist.

WANTED—Man to care for yard, garden, small greenhouse, horse and cow. Must fully understand care of plants, must be healthy and temperate; wages to the right party \$30 per month and board. Impetent man not wanted at any price. Good home for the right party. Man now with me leaves account of poor health, after being with me twelve years. Address, giving age, weight, nationality, experience and references. G. E. DILLEY, Palestine, Texas.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds. Bargain. W. L. WYNN, White Hall Ill.

FOR SALE—Half interest in 6000 feet of glass. Flourishing city of lower south. General stock. Paving. Other business. Bargain. SOUTHLAND, care American Florist.

FOR SALE—One-half interest in a greenhouse, good paying business, growing city of 25,000 in Wisconsin; very cheap on account of sickness. Address A. D., care American Florist.

FOR SALE—An exceptional offer, if taken soon, in good growing town of 18,000, doing a good business. Hot water heat, 4000 feet of glass. Best of reasons for selling. Price and terms right. B. A. B., care American Florist.

WANTED, SITUATION.

Practical, all-around florist, commercial or private. J. H., care J. B. Halley, Florist, 338-340 Broadway, Lawrence, Mass.

WANTED

A salesman to take contracts for growing onions, lettuce and other staple California grown seeds. On salary or commission. Address

T. SHERWOOD, 2243 Sutter St., San Francisco.

FOREMAN WANTED.

For range of 175,000 square feet of glass. Must be a man of unquestioned ability and character, and an up-to-date grower, accustomed to handling men where Roses, Carnations, 'Mums, Palms, Ferns, Bulbous and Bedding Stock is grown. Permanent position for right party.

J. F. WILCOX, Council Bluffs, Iowa.

Greenhouses to Rent

AT MOORESTOWN, N. J., nice miles from Philadelphia, on railroad, 10-room dwelling, four greenhouses, 10,000 feet of glass, one stocked with carnations, others partly stocked with smilax, roses, etc., steam heat, city water, two acres ground. Immediate possession.

JOS. T. SULLIVAN, Moorestown, N. J.

FOR SALE.

50 H. P. Horizontal Steam Boiler, including all fittings. Cheap for cash.

J. A. BUDLONG,

37 & 39 Randolph St., CHICAGO, ILL.

FOR SALE With 10 Year Lease, One of the best places in Chicago.

This is a rare opportunity; if you have some cash, talk it over with me.

T. J. CORBREY,

1409-1411 W. Madison St., CHICAGO.

NOTICE.

Notice is hereby given that the firm of Walter Retzer & Company, 2045-2059 Clarendon Avenue, Chicago, has been on this day dissolved. The business will be continued by Walter Retzer under the name of "Walter Retzer & Company." All liabilities of the firm have been assumed by him. Yours truly, WALTER RETZER & CO. WALTER RETZER. ALFRED B. EVERETT.

Chicago, Sept. 26, 1900.

FOR SALE.
GREENHOUSE
PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Greenhouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

Des Moines, Ia.

Trade is showing signs of revival but we can stand a very considerable increase before we reach a point at which any of us will be rushed; yet, the outlook is good. The supply of stock is adequate and qualities are fair, much better than a few weeks ago. Carnations are doing as well as could be expected.

Our park commissioners are planning numerous important improvements in the spring and have had a Boston landscape architect out here for consultation.

The floral display at the state fair was not all that it is "cracked up" to have been.
J. T. D. F.

Wholesale Flower Markets

CINCINNATI, Oct. 4.

Roses, Beauty	5.00@20.00
" Bride	3.00@ 4.00
" Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1.00
Tuberoses	3.00@ 4.00
Asters	.50@ 1.00
Lilies—Album and Rubrum	4.00@ 5.00
Lily of the valley	4.00
Smilax	12.50@ 15.00
Adiantum	1.00
Common ferns	.15
Asparagus	50.00

St. Louis, Oct. 4.

Roses, Bride, Bridemaid	2.00@ 4.00
" Beauty, 12 to 20 inch stems	8.00@12.50
" " long	15.00@20.00
" Perle	2.00@ 4.00
" Meteor	2.00@ 4.00
" Kaiserin	2.00@ 5.00
Carnations, common	.75@ 1.00
" choice	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Smilax	12.50
Adiantum	.60@ 1.00
Tuberoses	3.00@ 4.00
Asters	.75@ 1.50

MILWAUKEE, Oct. 4.

Roses, Beauty, long, per doz.	2.00@ 3.00
" " med "	1.00@ 1.50
" " short "	.50@ .75
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	4.00@ 6.00
" Kaiserin	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	3.00@ 4.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00
Adiantum	.75@ 1.00
Common ferns	.25
Asters	.50@ 1.50
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, Oct. 4.

Roses, Beauty, fancy	20.00@25.00
" " extra	15.00@18.00
" " No. 1	6.00@10.00
" " culls	3.00@ 5.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
" Liberty	4.00@ 6.00
Carnations, ordinary	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Gladiol.	2.00@ 3.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00
" Sprengerii	.25@ .35
Dagger ferns	per 1000, 2.00
Asters	.50@ 2.00
Chrysanthemums	18.00

DENVER, Oct. 3.

Roses, Beauty, select	12.50@20.00
" " ordinary	3.00@ 7.00
" Bride, Bridesmaid	2.00@ 3.00
" Meteor	3.00@ 4.00
" Perle, Wootton	2.00@ 4.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 2.50
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets	.50@ .75
Asters	.50@ 1.50
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Veros	.30

J. B. DEAMUD,

51 WABASH AVE..

CHICAGO.

AM. BEAUTIES, ex. long	Per doz. \$2.50
" 24-inch	2.00
" 18 "	1.50
" 12 "	1.25
" short	.50 to .75
BRIDES, MAIDS	Per 100 \$2.00 to \$3.00
METEORS, KAISERINS	2.00 to 4.00
PERLES	2.00 to 3.00
CARNATIONS	.50 to 1.00
VALLEY	4.00 to 5.00
SMILAX	12.50

ADIANTUM	Per 100 \$.50 to \$.75
ASPARAGUS	50.00
FANCY FERNS	\$1.50 per M. .20
IVY LEAVES	.50
CALDWELL'S	No. 1 contains 15 lbs., \$2.50
" No. 2 "	20 " 3.25
" No. 3 "	25 " 3.75
" No. 4 "	35 " 4.50
" No. 5 "	40 " 5.50
" No. 6 "	50 " 6.50

Prices subject to change without notice. P. AND D. AT COST.

CATTLEYAS, \$6.00 per dozen.

WE ARE THE ONLY JOBBING HOUSE IN CHICAGO HANDLING CALDWELL'S WILD SMILAX.

BENTHEY & CO.

F. F. BENTHEY, Manager.

Wholesale and Commission...

FLORISTS,

CONSIGNMENTS SOLICITED.

41 Randolph St., CHICAGO.

ROSES.

Am. Beauties, long	per doz. \$2.00 to \$3.00
" medium	1.00 to 1.50
" short	.75 to 1.00
Brides and Maids	per 100, 3.00 to 4.00
Perles	3.00 to 4.00
Kaiserin	4.00 to 6.00
Meteors	3.00 to 5.00

CARNATIONS, fancy	per 100, \$1.50 to \$2.00
" good quality	1.00
VIOLETS	1.00
ORCHIDS	6.00
VALLEY, Cattleyas	per doz. 4.00 to 5.00
SMILAX	per 100, 12.00 to 15.00
ASPARAGUS	per string, .50 to .75
ADIANTUM	per 100, .75 to 1.00
WOOD FERNS	per 1000, 1.50

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Street,

ALL FLOWERS IN SEASON.

PITTSBURG, PA.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

Southern Wild Smilax.

New crop now ready for shipment. Write for my descriptive circular and price list. I guarantee that all goods shipped by me will be of best quality, hand picked, and of standard weight. I solicit your standing orders for the above goods. Reduced express rates to all points. Address all orders to, by wire via Georgiana,

J. G. BARROW, RED LEVEL, ALA.

Galax Leaves at Wholesale

ORDERS FILLED PROMPTLY. CORRESPONDENCE SOLICITED.

....J. G. LOVEN....

Montezuma, N. C.

WEILAND-AND-RISCH

GROWERS and SHIPPERS,
59 WABASH AVE. CHICAGO.

WE SOLICIT A TRIAL
ORDER...

American Beauty,	Per dozen.	
36-in. stems	\$3.00	ROSES
30 "	2.50	Liberty
24 "	2.00	Golden Gate
20 "	1.50	Brides
15 "	1.25	Maids
12 "	1.00	Meteors
short stems .....	.50c to .75	Perles
		Seconds
Carnations standards,	per 100,	Asparagus
Select fancy	1.50	Smilax
Valley	per 100, \$4 to 5.00	Lilies
Cattleyas	per doz., 6.00	Adiantum
		Wild Smilax, Parlor brand, per case, \$3.25; medium, \$4.25; large, \$5 50

ALL TELEGRAPH ORDERS
GIVEN CAREFUL &
IMMEDIATE ATTENTION

**WE GROW ALL OUR OWN FLOWERS
AND GUARANTEE THEIR FRESHNESS.**

WHOLESALE FLORISTS

E. H. Hunt

THE "OLD RELIABLE" FOR
WHOLESALE

CUT FLOWERS

**Hunt's Flowers
Go Everywhere**

76 Wabash Ave., CHICAGO.

**8,000,000
Hardy Cut Ferns**

Now at 65c per 1000. Oct. 15th they will be 75c per 1000. Sobagnum Moss 60c per lb. Bouquet Green 50c per lb. Bouquet Green Roping 5c per yd. Laurel Roping 4c per yd. Christmas Trees by the carload or in small lots furnished. All orders by mail or dispatch promptly attended to.

THOMAS COLLINS,
Hinsdale, - - - - Mass.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.
600,000 FEET OF GLASS.
Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

Carnation Blooms

SHIPPED DIRECT
FROM GREENHOUSE TO ALL POINTS.

Chicago Carnation Co., JOLIET, ILL.

GEO. REINBERG,

Wholesale Grower of **Cut Flowers**

Choice American Beauties.
We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

Southern Wild Smilax.

NEW CROP NOW READY.

Caldwell The Woodsman Co. Inc.

Also J. B. DEAMUD, CHICAGO, ILL.,
L. J. KRESHOVER, New York, N. Y.,
M. RICE & CO., Philadelphia, Pa.,
THE VAIL SEED CO., Indianapolis, Ind

McKELLAR & WINTERSON

45-47-49 Wabash Ave.CHICAGO

**WE have a surplus on
Dutch Hyacinths, Tu-
lips, Von Sion, Poeticus,
Romans, Crocus, Chinese
Lilies, etc., etc. Send us your
orders. Our prices are right.**

**FULL LINE OF ALL
FLORISTS' SUPPLIES
and EVERYTHING
FOR FLORISTS.**

Please mention the American Florist when writing.

CUT FLOWER PRICE LIST.

	Per 100
Beauties, long	\$20.00 to \$25.00
" medium	10.00 to 15.00
" short	6.00 to 8.00
Brides, Maids	3.00 to 5.00
Perles and Meteors	3.10 to 5.00
Carnations	1.00 to 1.50
Asters, good .....	.75
" fancy	1.00 to 1.50
Gladioli	2.00 to 3.00
Valley	4.00 to 5.00
Lilies	10.00 to 12.00
Ivy Leaves .....	.49
Adiantum .....	.50 to .75
Common Ferns	per 1000, \$1.50
Smilax	per doz., \$1.25 to 1.50
Asparagus	5.00 to 6.00

J. A. BUDLONG

WHOLESALE GROWER OF
CUT FLOWERS
ROSES AND CARNATIONS
A SPECIALTY.

37-39 Randolph St., CHICAGO, ILL.

Wholesale Flower Markets

CHICAGO, Oct. 5.

Roses, Beauty, extra long stems	3.00
" 30 inch	2.50
" 24 "	2.00
" 20 "	1.50
" 15 "	1.25
" 12 "	1.00
" 8 " .....	.75
" Bride, Bridesmaid	3.00@ 5.00
" Perle	2.00@ 4.00
" Meteor	3.00@ 5.00
" La France	2.00@ 4.00
" Golden Gate	5.00@ 6.00
" Liberty	4.00@ 6.00
" Kaiserin	3.00@ 5.00
Carnations .....	.75@ 1.00
" fancy	1.50
Lily of the valley	4.00
Adiantum .....	.75
Common ferns	per 1,000 1.50
Smilax	8.00@12.00
Asparagus	50.00
Ivy leaves, per 100 .....	.60
Tuberoses	per dozen .50

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention
paid to shipping orders.

76 and 78 Wabash Avenue,
Telephone Main 3248. CHICAGO.

Lynch FLORIST.

WHOLESALE FLORIST.

64 WABASH AVE.
CHICAGO

8. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
 AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2.00 per Script Letters, \$4.00 per 100.
 THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Southern Wild Smilax

\$2.00 per 60 pound Case.
 \$1.25 per 30 pound Case.

Discount to wholesale dealers. Cases lined with a fine quality lining paper to protect from heat or dirt. Thoroughly packed with Extra Selected stock, and weighs 60 and 30 pounds, but are shipped at 50 and 25 pounds. Express Rates 25 per cent less than merchandise rate.
 Telegraphic orders given prompt attention.

Address R. A. LEE, Evergreen, Ala.
 TERMS: Cash with order, C. O. D. or check on receipt of goods.

Bronze Galax Leaves

\$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.

AMERICAN ROSE CO., Washington, D. C.

Wholesale Florists, **JOBBERS IN**
 Always on Hand: **FLORISTS' SUPPLIES**
 CARNATIONS, BRIDESMAIDS, BRIDES.
 N. F. W. Farley
FLORISTS' VASES.
 Horticultural Auctioneers.
 84 HAWLEY STREET, BOSTON.

Geo. A. Sutherland, Boston Flowers.
 WHOLESALE DEPOT FOR
All Florists' Supplies,
 67 BROMFIELD ST., BOSTON, MASS.
 Price lists mailed.

ELECTROS... 

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock
 Price for cash only 15 cents per square inch.
 THE AMERICAN FLORIST CO.,
324 Dearborn St., CHICAGO.

A good adv. in a good paper will bring good returns.

Wholesale Flower Markets

PHILADELPHIA, Oct. 4.	
Roses, Tea.....	2.00@ 3.00
" " extra.....	4.00@ 5.00
" Beauty, extra.....	20.10@25.00
" " firsts.....	10.00@15.00
Carnations.....	.75@ 1.00
" fancy.....	1.50
Lily of the valley.....	3.00@ 4.00
Gladiolus.....	2.50
Tuberose.....	3.00
Asters.....	1.00
Asparagus.....	35.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.75@ 1.00
BOSTON, Oct. 3.	
Roses, Beauty, extra.....	15.00@25.00
" " medium.....	6.00@12.00
" " culls.....	2.00@ 5.00
" " Bride, Bridesmaid, Meteor.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" " Kaiserin, Carnot.....	4.00@ 8.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Asters.....	.50@ 1.00
Violets.....	.25@ .75
Cosmos.....	.50@ 1.00
Adiantum.....	.50@ 1.00
Smilax.....	8.00@12.00
Asparagus.....	50.00
Hardy ferns.....	.20
Japau lilies.....	2.00@ 3.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO
 ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer, Wholesale Florists
 1604 LUDLOW STREET,
 PHILADELPHIA.
 Phone 1-42-69-A.
 Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 LONG DISTANCE PHONE 3-45-94 D. PHILADELPHIA, PA.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-28 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...**GEO. M. KELLOGG...**
 Largest Grower of... in the West. **Cut Flowers**
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,
 NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.
 Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co., WHOLESALE FLORISTS.
 416 Walnut St., CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Snipping Orders.

ROSE GROWERS SEEKING A GOOD MARKET

CAN FIND IT BY CONSIGNING TO **A. H. LANGJAHR,** 19 Boerum Place, BROOKLYN, N. Y.

OVER 150 FLOWER STORES IN BROOKLYN. MONEY SURE. TEN YEARS ESTABLISHED.

TOP GRADE Carnations

Lily of the Valley.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.

Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

57 W. 28th. St., NEW YORK CITY.

Telephone 2200 Madison Square.

Special attention given to Shipping Orders.

—CONSIGNMENTS SOLICITED.—

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.
Price list on application.

Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets & Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.

New Telephone No. 551 Madison Square.

Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. **NEW YORK.**

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. **NEW YORK CITY.**

TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 270 Madison Sq.

Wholesale Flower Markets

NEW YORK, Oct. 3.

Roses, Beauty, select.....	15.00@25.00
" " medium.....	6.00@10.00
" " culls.....	2.00@ 4.00
" Bridesmaid, Bride, Meteor	.50@ 2.00
select.....	3.00@ 6.00

Carnations.....	.50@ 1.50
Lily of the valley.....	2.00@ 3.00
Harrisi.....	6.00@ 8.00
Cattleyas.....	20.00@33.00
Gladioli.....	.50@ 1.00
Asters.....	.50@ 1.50
Smilax.....	8.00@10.00
Asparagus.....	25.00@35.00
Sprengerii, per doz. bun.	.75@ 1.00
Adiantum.....	.50@ .75
Tuberose, spikes.....	1.00@ 1.50

BUFFALO, Oct. 4.

Roses, Beauty.....	10.00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin.....	6.00@ 7.00
Carnations.....	1.00@ 1.50
Lily of the valley.....	3.00@ 4.00
Lotus blooms.....	12 1/2c each
Gladioli.....	2.00@ 3.00
Asters.....	.75@ 1.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy ferns, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

Please mention the American Florist when writing.

The New York Cut Flower Co.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th.

NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

GEORGE SALTFOUR,

... Wholesale...
Commission Dealer in

Violets

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.

...Wholesale Florists,

111 West 30th Street, NEW YORK.

READY FOR VIOLETS. Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street. **NEW YORK.**
Telephone 1433 Madison Square.

Consignments Solicited.

Do not forget to say "saw your ad. in
the AMERICAN FLORIST" when corre-
sponding with advertisers

J. K. ALLEN'S

**POPULAR WHOLESALE
CUT FLOWER HOUSE**

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled
and well sold. Excellent facilities. * * * *
Telephone 197 Madison Square.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421
Madison Square,

....NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

THE sympathy of the trade is extended to Peter Hollenback, of Chicago, because of the death of his wife.

ALFRED EMERICH, representing Vilmoren-Andrieux & Co., is now in this country, having arrived on the S. S. Aquitaine.

THE Michigan tomato seed crop has turned out worse than was anticipated in August, most varieties yielding less than half of an average crop.

VISITED PARIS: James Farquhar, of Boston, Mass.; O. W. Clark, of Buffalo, N. Y.; J. D. Eisele and George Clark, of the firm of Henry A. Dreer, Philadelphia, Pa.

SAN JOSE, CAL.—Chas. P. Braslan, who has returned from his summer trip to Cape Nome, will make his usual contracting trip east as soon as the present season's shipments are closed.

MRS. MULLER will carry on the business of the late Ernst Muller, at Erfurt, Germany, under the old title of J. S. Schmidt. Fritz Gartner, Fritz Luder and Lorez Zopes have been admitted to the firm.

CHAUNCEY P. COY the veteran vine seed grower of Waterloo, Neb., is employing his spare moments watching the water rise, pumped by a gasoline engine into a newly laid out fish pond behind his house. This pond will also serve as a bathing place in summer and a skating rink in winter for his family and numerous friends.

French Seed Crops.

Reports on the growing crops continue to be discouraging. The estimates made by the growers some weeks ago must be considerably reduced at this date. This is especially the case with all radishes, which are almost a total failure, and with some celeries. The carrots, too, have not only suffered by the withering heat of July and August, but the crop has been sadly attacked by several kinds of depressaries which almost completely destroyed it in the western part of France.

Mangels and some of the beets will come in much more sparingly than was at first expected and the samples from some of the growing districts contain a good deal more small seeds than usual. The seedsmen will have to be lenient about the appearance of the seeds this season, if they do not wish their orders to be cut down to a very large extent.

The growers have now had two or three poor years and they are reluctant to accept orders at the old quotations. Are they to blame? I think not. It is an unpleasant thing to bestow a year of care and of expensive labor on a crop, all for nothing. And what anxiety all the time! If a crop escapes one mischief, it is only to fall into another ill.

On the other hand the prospects in western France for next season are not very bright. The cabbages could not all be planted out in due time, on account of the drought, and sowing of the beets, mangels and turnips had to be delayed for the same reason. The month of September has been very dry and it is desirable that we get some good showers to improve things for next season.

PARISIAN.

SEVERAL very large shipments of JAPAN LONGIFLORUM have arrived in very bad condition—more than half of the bulbs having been lost by heating. This large loss will make a scarcity in this article, and probably many dealers will be unable to fill their orders in full. If you do not succeed in getting your full supplies, we have still to offer a fine lot of

BERMUDA-GROWN LONGIFLORUM

These Bulbs are in splendid shape. We can supply them at \$14 PER CASE; 350 Bulbs to the case. We also have a fine stock of

LILIUM HARRISII

7-9 inch size is generally scarce, but we have a very fine stock of this size still on hand—a lot of bulbs that were left in the ground and dug late, and in consequence they are in grand shape. Bulbs are plump, bright and clean, and as fine a lot of Harrisii as anyone would want to handle. We can supply these, as long as unsold, as follows:

5-7's, 400 bulbs to the case, only \$16 per case. 7-9's, 200 bulbs to the case, only \$18 per case.

Order at once before we are sold out.

We also offer a very fine stock of

WHITE ROMAN HYACINTHS

Extra quality bulbs, 12-15 ctm., in case lots, 2100 bulbs to the case, \$16.00 per 1000.

Paper White Narcissus Grandiflora

Case lots, about 1300 bulbs to the case, \$7.50 per 1000.

5% discount from above-named prices when cash is remitted with order.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

SOUTHERN NATURAL PEACH PITS

being very small in size, contain more than double the number to the bushel. We have for many years annually supplied a majority of the best Nurserymen and Peach Growers in the United States. Samples and prices on application.

For several years past we have given special attention to the procuring of Southern Natural Peach Pits, selected from original seedling trees in the mountains of Tennessee and North Carolina, which are entirely free from yellows or disease, guaranteed to give good stands and make much stronger and healthier trees than those from any other section. These pits

Johnson & Stokes,
SEEDSMEN,
PHILADELPHIA, PA.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. MCFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. **CLOVERS**—Red, Sahling, Alfalfa, Crimson, White, Alsike, Japan, etc. **WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN"** Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato. Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO.,
The Largest and Best Collection of Seeds in Ky.,
LOUISVILLE, KY.

CLIMBERS.

20,000 Clematis Paniculata, 2 yrs., fr. open ground, pot grown.
10,000 Iris, 1 year, open ground.
10,000 Ampelopsis Veitchii, 1 year, pot grown.
10,000 Hall's Honeysuckles, very strong.
5,000 Evergreen and Golden Honeysuckle, very strong.
10,000 Rosa Wichuraiana, 1, 2 and 3 years.
3000 Wichuraiana Hybrids.
2000 Actinidia Arguta, Wistaria and other vines.

THE WM. H. MOON CO., Morrisville, Pa....

NURSERIES 30 miles from Philadelphia, 100 miles from New York.
PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

CHAMAEROPS, extra 18-24-inches high, 4-6 character leaves, \$12.00 per 100.

PHOENIX CANARIENSIS, from 2-inch pots, very strong, \$6.00 per 100.

Large, very fine **PHOENIX, DRACAENAS** and **CHAMAEROPS**, from 4 to 15 feet high, in boxes or from open ground. Price on application.

Two-year-old **HIPPEASTRUM** (Amaryllis), of a very fine strain, \$10.00 per 100.
CASH WITH ORDER PLEASE.

A. ROEDDER, Shorb, near Los Angeles, Cal.

Primrose and Cyclamen. Primrose, latest improved large flowering, fine plants, ready for 3/4, \$2 per 100. Cyclamen Giganteum, 3-inch, \$5 per 100. Extras added. Cash please. J. W. MILLER, Hatton, Cumb. Co., Pa.

Tell them where you saw the ad.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY
ROMAN HYACINTHS
DUTCH HYACINTHS
NARCISSUS TULIPS
Etc., Etc., Etc.

Wholesale Bulb Catalogue Mailed On Application.

J.M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

SPECIALTIES IN BEST ...VARIETIES

ROSES, from 2-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.

Prices low. Send for list. **VIOLETS.**
WOOD BROTHERS, FISHKILL, N. Y.

Holly. Finest Quality. Any Quantity.

Write us for prices delivered at your door.
CALDWELL The WOODSMAN CO Inc. Evergreen, Ala.

BOSTON FERN ...A...
SPECIALTY.
L. H. FOSTER, 45 King St., Dorchester, Mass.

He Who Seeks Fine Stock

NEED LOOK NO FARTHER THAN OUR STORE

For the best to be found in Chicago, which means the best in the country.

PRICE LIST

BEAUTIES		Per Doz.
Extra long stem.....		\$3.00
Stems 30 inches.....		2.50
" 24 ".....		2 00
" 20 ".....		1.50
" 15 ".....		1.25
" 12 ".....		1.00
" 8 ".....		.75
ROSES		Per 100
Brides and Maids.....	\$3 00—\$5.00	
Meteors and Kaiserin.....	4.00— 5.00	
Perles.....	3.00— 4.00	
Roses, good seconds.....	2 00	
CARNATIONS		Per 100
Standard sorts.....	\$1.00—\$1 50	
Fancy sorts.....	2 00—	
MISCELLANEOUS		
Alyssum.....	per 100, \$	.25
Valley.....	"	4.00
Violets, good single.....	"	1.00
'Mums, white.....	per doz., \$1.50—	2 50
DECORATIVE		
Asparagus.....	per string, \$	.35—\$.50
Galax, green, per 1000, \$1; per 100,		.15
Ferns.....	per 1000, \$1 50;	.20
Leucothoe sprays.....	"	1 00
Ivy Leaves.....	"	.50
Adiantum.....	"	.75
Smilax.....	per dozen, \$1 25—	1.50
Wild Smilax, parlor brand, per case,		3.25
" " medium.....	"	4.25
" " large.....	"	5.50

As it is yet too early to carry Wild Smilax in stock, 4 days notice is necessary.

Store open from 7 a. m. to 6:30 p. m. daily.
Sundays and holidays closed at noon.

WE are proud of the high grade of the American Beauties which we handle. Our Brides, Bridesmaids, Perles and Meteors, too, are par excellence. As to Carnations, our growers' stocks were never finer at this season. Besides the every-day, standard sorts, we have such fancy varieties as Dorothy, Ethel Crocker, G. H. Crane, The Marquis, Mrs. Lawson, Genevieve Lord, Mrs. Bradt, White Cloud, Jubilee, Triumph, America and Mary Wood. While we make every effort to supply this grade of stock when called for on shipping orders, these fancy varieties sell at sight and at present we ought to have orders at least one day in advance.

We are shipping Chrysanthemums, but they will not be plentiful for some time, as all growers report late crops.

We are making every effort to take care of the buyers who want regular supplies of strictly high-grade stock and as our capacity is very large we shall be pleased to add you to our list of customers. We can at all times supply everything which is to be had in Chicago.

SEND YOUR ORDERS FOR WIRE WORK WITH
YOUR CUT FLOWER ORDERS. WE
WILL TAKE CARE OF THEM
AT LOWEST CATALOGUE PRICES.

WANTED: 'Mums, Meteors, Adiantum.

While we are able to supply these items in fair quantity and best grades, growers who are producing these specialties in first-class quality can find a ready market here. We solicit correspondence and an inspection of our store and facilities for handling stock and filling orders.

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED
CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph St.

LONG DISTANCE TELEPHONE
CENTRAL 1977.

CHICAGO, ILL.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

The Loganberry appears to be gaining favor in European countries.

Many of the best apples now coming to market are in boxes instead of barrels.

The growing of pecan nuts is a steadily developing industry of the southern states.

The Alvin Fruit and Nursery Co., Alvin, Tex., has been incorporated for \$15,000.

The Illinois State Horticultural Society will maintain an exhibit of fruits during the Pan-American Exposition next year.

At the State Fair at Grand Rapids the Monroe Nursery Co., of Monroe, Mich., and N. P. Husted & Co., of Lowell, made very creditable displays of trees and fruits.

FIRE on the morning of September 26 destroyed the barns, shops, workrooms and packing cellar at Nelson Bogue's nursery near Batavia, N. Y. The loss was \$4000.

The collective exhibit of American fruit trees and fruits has been awarded a grand prize at the Paris Exposition and silver medals for collections of photographs of horticultural subjects have been awarded to the Albaugh Nursery Co., Fort Valley, Ga.; the California Nursery Co., Niles, Cal., and G. C. Roeding, Fresno, Cal.

The Cutting Back of the Clematis.

ED. AM. FLORIST:—We have read to-day the comments which Mr. Egan has to make upon our plan of preserving the clematis by cutting the young plants back in spring and think it necessary to say, in behalf of this beautiful species, that it is not our meaning to cut back the plants every year. We agree with Mr. Egan that the plants would not stand it many seasons. We cut the clematis back to have strong, healthy shoots on which the plant may make its top and we are convinced that if these shoots are properly taken care of and protected against breakage at the level of the ground, the plant will do well, not only the first year but for the years following. If Mr. Egan makes any experiments along this line we should be pleased to learn of the results.

Boskoop. KOSTER & Co.

Borers in Trees and Shrubs.

ED. AM. FLORIST:—Our lilacs and hickories are infested with a worm which causes great injury. I am sending a lilac branch which shows their ravages. Please give me the name of the pest and a method of combating it. K.

The branch of lilac which you send is infested by the so-called lilac borer, *Podosesia syringæ*. This is the larva of one of the clear-winged moths and it has the habit of boring into the wood of lilac, as well as ash, making in its exit from the trees, round holes which often remain for some time without healing. When trees are discovered to be injured beyond recovery they should be promptly cut down and destroyed by fire, that neighboring healthy growth may be pro-

tected from insects that might breed from the injured trees. If the presence of borers is detected while the larvæ are still young, it may be possible to save the trees by injecting bisulphide of carbon into the openings of the burrows and then plugging them tightly with coal tar, grafting wax, or some similar material. Chief reliance in the protection of trees against borers is in the early application of preventatives during the time of the appearance of the parent insects. In circular No. 24, Second Series, of the Division of Entomology, U. S. Department of Agriculture, will be found a full consideration of protective measures. L. O. HOWARD.

ROCKFORD, ILL.—There is no prospect of the Baur-Buckbee case coming to trial at this term of court, the authorities having failed to summon one of the parties to the suit.

WEST COLLINGSWOOD, N. J.—Emil Luba, who was employed by C. W. Zimmer & Sons, in a fit of temporary insanity September 26, terribly mutilated himself with a razor. He is in Cooper Hospital, Camden.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns;
Otaksa, Red Branched, Thos. Hogg,
PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.
Our representative, MR. J. AUSTIN SHAW, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

DECIDUOUS TREES

Medium and large sizes, including Oaks, Maples, Oriental Plane, Beech, Birch, Ginkgo, Elms, Ash, Linden, Magnolias, Poplars and Willows.

We have an immense stock of the above and are prepared to name liberal rates in quantity. Personal inspection invited. Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa....
NURSERIES { 30 miles from Philadelphia,
 { 60 miles from New York.
PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

Surplus Shade Trees

Norway, Sugar, Sycamore and Silver
Maples, Lombardy Poplars and
Catalpas; handsome trees
at low prices.

W. P. BRINTON, Christiana, Pa.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, Pa.
(Bucks Co.), Pa.

CLEMATIS, large flowering, in 20 distinct kinds, 2 yr.; \$2 per doz., \$16 per 100. PAEONIES, in 10 distinct Florists' kinds, from pure white to crimson in all shades, indispensable in their season; \$1.50 per doz., \$10 per 100. Josselyn or Red Jacket GOOSEBERRY, a distinct American variety, a very strong grower, never mildews, a profuse bearer and a sight to see loaded with great crimson berries; strong 2 year plants, \$1.25 per doz., \$7 per 100. 1 yr., 50c per doz., \$4 per 100. F. A. BALLER, Bloomington, Ill.

Herr's == Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment. Plants only, and ready October 1st to January 1st.

FREE BY MAIL,

75c per 100, 250 for \$1.50; 500 for \$2.50.

By Express at Your Expense, \$4 per 1000.

ALBERT M. HERR
LANCASTER, PA.

ROEMER'S SUPERB PRIZE Pansies.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of the Finest Pansies.

PANSIES WORTH RAISING

SEED, 3-16 oz., \$1.00; 1 oz., \$4.00.
PLANTS, 500, \$2.50; 1000, \$4.00.

F. O. B. express here. CASH WITH ORDER.
Everything first-class.

CHR. SOLTAU, 199 Grant Av., Jersey City, N. J.

PANSIES THE JENNINGS STRAIN.

Highest standard plants, finest mixed, 60 cts. per 100 by mail; \$4.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

E. B. JENNINGS, Grower of
The Finest Pansies,
Lock Box 254. SOUTHPORT, CONN.

ZIRNGIEBEL'S GIANT PANSY PLANTS

NOW READY.

GIANT MARKET.....\$ 5.00 per 1000
GIANT FANCY.....\$10.00 per 1000
Also seed of the above strains, in trade packets, at \$1 each. DENYS ZIRNGIEBEL, Needham, Mass.

Pansies.

Large Flowering Giant,

In fine mixture, strong plants ready now for planting outside or in.

Price by Mail, 50c per 100; by Express, \$3 per 1000. In lots of three to five thousand at \$2.50 per 1000.

E. FRYER, BATAVIA, ILL.

NOVELTIES IN PLANTS That Can't be Had Elsewhere.

Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Huddleas, New Deutzias, Mr. Peter Barr's New White Lupin, The Grand New Salvia, Glory of Stuttgart, The Edelweiss in bloom, New Bushlars, New Hibleas, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea. Send for Catalogue of Novelties. Always in quantity—Asparagus Sprengeri, Boston Fern, Baby Pimpernel, Edelweiss, Fern Balls, at lowest prices. A. Blanc & Co., Philadelphia, Pa.

Last Chance.

2000 BOSTON FERNS,

Extra large for 4-in. pots, from bench, to close out at \$6 PER 100.

PHILLIPS & DODGE, Billerica, Mass.

CRYPTIOMERIA JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00. ASPARAGUS SPRENGERII, 2-inch, \$2.50 per 100. SATISFACTION GUARANTEED.

E. J. RAWLINGS, Quakertown, Pa.

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

Write for our Prices on Wire Work.
You can't duplicate them anywhere.

42 and 44 East Randolph St.,
CHICAGO

Cut Flower Price List

	Per 100
Beauties, long.....	\$20.00 to \$25.00
" medium.....	10.00 to 15 00
" short.....	6.00 to 8 00
Brides, Maids.....	2.00 to 4.00
Perles and Meteors.....	2.00 to 4.00
Carnations.....	1.00 to 1.50
Violets.....	.50 to 1.00
Valley.....	4 00
Lilies.....	10.00 to 12 50
Adiantum.....	.50 to .75
Common Ferns.....	per 1000, 2.00
Smilax.....	per doz, \$1.25 to 1.50
Asparagus.....	6.00
Leucothoe Sprays.....	.75
Galax, Green.....	\$1.00 per 1000

Now that the cut flower season is on again, buyers will do well to remember that when stock is obtainable anywhere we will have it, that when others fail we have it. :: :: :: ::

JUST NOW

Stock is only fair, but as good as can be expected at this season. Whatever you want, we have it.

Store open till 6:30 p. m. week days - - Till noon Sundays and holidays.

This Year's Customers Must be Ours Next Year.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Hardy Herbaceous

AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.

The Blue Hill Nursery, So. Braintree, Mass.

CORRESPONDENCE SOLICITED.

Cyclamen Giganteum

in all the colors. Fine plants, well set with buds. They will make a useful size for Christmas. } in 3-in. pots, ready } \$8 PER 100. } for 5-in. pots.

Money Order Office
Sta. H. Philadelphia.

EDWIN LONSDALE,
WYNDMOOR,
(Near Phila.) PA.

Jardinere Ferns,

ELEGANT STOCK - \$3.00 a Hundred - - \$25 00 a Thousand
Roses for the South,

Varieties most adapted for southern planting. Just the thing you want. Stock A1. Write for prices.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

15,000 EXTRA FINE BOSTON FERNS

2 1/2, 3, 4, 5, 6 and 7-inch pots, now ready for shipment. Some very fine plants of Asparagus Plumosus Nanus out of 2 1/2-inch pots. A few thousand mixed Roses on hand for planting. Write for prices.....

GEO. A. KUHLE, PEKIN, ILL.

Acalypha Sanderi.

Strong 2 1/2-inch plants, \$3.00 per 100.

Boston Fern

2 1/2-inch, \$2.50 per 100; 3-inch, \$5.00 per 100.

The CONARD & JONES COMPANY,
West Grove, Pa.

PAEONIES.

We have 100 named double varieties, selected for florists' use; all good for cut flowers.

1 each of 100 varieties.....\$15.00
1 each of 50 varieties.....6.00
1 each of 25 varieties.....3.00

Standard Red, Pink and White, per dozen, \$1.20
INDIANAPOLIS FLOWER & PLANT CO.,
Indianapolis, Ind.

Boston Ferns

FINE PLANTS from bench, ready for 6-in. pots, \$2.50 per dozen; from 2-in. pots, \$2.50 per 100. Rooted plants, strong, \$1.00 per 100.

DAVIS BROS., Morrison, Ill.

GERANIUMS,

Rooted Cuttings Now Ready.

8 leading vars. Order at once, \$1 per 100.
Ageratum Princess Pauline, 50c. per 100.

CASH PLEASE. Express Prepaid.

F. E. BONHAM, - Macomb, Ill.

'MUMS

6-in. pot grown, single stem, with 3 to 4 buds or more, at \$1.50 to \$2.00 per dozen.

ROSES, Meteors, Perles, Maids and Brides; extra fine stock, 3-in., \$3.00 per 100, \$25.00 per 1000. Discount on large lots.

CARNATIONS, a bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for price list.

CRABB & HUNTER, Grand Rapids, Mich.

ASPARAGUS PLUMOSUS NANUS, Per 100

Strong plants from 2 1/2-in pots, ready for a shift..... \$5.00

BEGONIA REX, Fine stock in 3-in. pots, ready for a shift, in good assortment.... 6.00

CYCLAMEN, Strong, bushy plants in 2 1/2-in. pots, finest strain, three colors..... 4.00

CHINESE PRIMROSES, Globosa type, best strain grown. Pink and red, 2 1/4-in. pots..... 2.50

White, pink and red, 3-in., ex. strong... 5.00

BABY PRIMROSE, Extra fine, from 2 1/2-in. pots, ready for a shift..... 4.00

SWEET ALYSSUM, Giant white, extra fine for immediate planting, 3-in. pots... 3.00

VINCA MAJOR VARIEGATA, Very strong field-grown clumps, with 6 to 10 long growths..... 6.00

NATHAN SMITH & SON, Adrian Mich.

SMILAX

FINE PLANTS, out of 2-inch pots,
\$1 50 PER 100. \$12.50 PER 1000.

J. C. Schmidt, Bristol, Pa.

Pansies and Daisies.

Giant Trimardeau and Roemer's Superb Prize strains, 50c per 100 postpaid; \$3 per 1000, \$12.50 for 5000, express. Our large flowering strain, 40c per 100, \$2.50 per 1000, \$10.00 for 5000.

Hardy Daisies, Snowball and Longfellow, 50c per 100, \$3.00 per 1000, \$12.50 per 5000.

Carex Japonica Variegata, 2-in., fine, \$3 per 100.

CASH PLEASE.

BYER BROS., CHAMBERSBURG PA.

Edward B. Jackson, WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Now the Chicago florists are talking of a gunning team for the next convention. The trade of that city can boast of some pretty good shots.

At St. Louis.

The following is the record of games rolled Monday night, October 1:

Table with columns: Player, 1st, 2d, 3d, 4th, 5th, 6th, 7th, 8th Av. Rows include Kuehn, Beneke, Weber, Young, Scott.

At Chicago.

The following is the score made Friday evening, September 28:

Table with columns: Player, 1st, 2d, 3d, 4th, 5th, Av. Rows include John Dezoan, Phil. Hauswirth, E. F. Winterson, Chas. Balluff, W. Kreithing, A. Frank, E. J. Hauswirth, Walter Heffron.

At Flatbush.

The last game, probably, on the old alleys was rolled by the Flatbush Florists' Bowling Club on Thursday, September 27, and the scores as given below were recorded. It was announced that the new alleys had been promised for the next meeting, that of October 4:

Table with columns: Player, 1st, 2d, 3d, Av. Rows include Mellis, A. Zeller, Riley, Wocker, P. Dailledouze, E. Dailledouze, H. Dailledouze, Schmutz, C. Zeller.

At Denver.

The following is the score at Denver, September 25:

Table with columns: Player, 1st, 2d, 3d, 4th, Av. Rows include Phil. Scott, Neil Jakobson, Ben Boldt, Jno. Berry, Geo. Zimmer, Chas. Fraoz, C. J. Thiess, J. A. Valentine, N. A. Benson, C. A. Benson.

On October 2 the Denver Florists' Bowling Club played a match game with the Boomerang Bowling Club, the latter winning by but sixteen pins in a total score for the three games as follows:

Table with columns: Florists, 1st, 2d, 3d, Tl. Rows include Geo. Zimmer, Phil. Scott, Al. Mauff, Jno. Berry, Chas. Fraoz, Total, Boomerangs.

At Philadelphia.

There is not much doing; that is no matches, the boys having gone out to grass, as it were, to recuperate since the tussle in August. Of course there are a

good many social games, just to see the color of the other fellow's ticket, but they are not the genuine, nerve straining contests in which it is an honor to win. However, something like the real stuff is to be seen in the near future, so says Captain Moss. The following list contains the averages of the bowlers for the month of September:

Table with columns: Name, Average. Rows include Johnson, Hamilton, Moore, Westcott, Kift, Kuester, Allen, Baker, Harris, Moss, Anderson, Craig, Archer, Gibson, Eisenbrey, Watson, Baroes, Stoneham, Connor, Eimmerman, Brown, Haupt, Barrett, Fletcher, Bonsall, Hallowell, Shields, Kirk.

Paying Dinner Wagers at Boston.

Friday, September 28, witnessed the payment of a wager due since the memorable Columbia-Shamrock yacht race, which, for various causes, had been deferred from time to time. Lawrence Cotter was the winner and E. M. Wood



Tenstrike—"Any cash I win from the boys at this sort of thing I give to my wife." Spare—"Just so--pla mosey, I suppose." —Chicago Daily News.

and Edward Hatch the losers of a good dinner for twenty of Mr. Cotter's friends. The burden of entertaining could not have fallen on a better equipped pair and there was joy within a score of waistcoats when the invitations were received by the lucky owners. These documents were unique in their way. A comical cartoon on the outside showed why the Shamrock had been "out-winded" and "out-footed." Inside it was announced that the knowledge of marine architecture, navigation, seamanship, etc., of the subscribers having been set at naught through the combined influence of Providence (not R. I.), John B. and N. G. Herreshoff, Capt. Chas. Barr and a few others, they desired to say that their compasses had been readjusted and that on the afternoon of Friday, September 28, they would go over several "courses" at the Point Shirley Club House in which their friends were cordially invited to join. A few of the literary gems in the announcement were as follows:

"There will be no 'reaching,' as everything will be passed to you, and there will be no 'beating,' because everything

will be paid for in advance by the undersigned."

"Draft" and "beam" will, of course, be to the advantage of those having the largest."

"No time limit is fixed for the finish." To give an adequate idea of the kind of dinner a Boston man has to put up when he loses a bet we give the menu in full:

- "God Helps Those Who Help Themselves." Clam Broth in Cups. (Not the America's) Olives and Celery. (The colors of the Shamrock.) Steamed Clams. (Dumb as Wood.) Clam Chowder. (A little of everything that's good except "tacks" and "stays") Baked Turbot, a la Taft. (No "gybing.") Cucumbers. (But no sunbeams.) Tomato Salad. ("You fat and greasy citizens.") Clam Fritters. ("Fresh from the 'reefs,") Tom and Jerry Frappe. (For the "doldrums") Chicken. (Not from the "hatchway," but a la Maryland.) Baked Sweet Potatoes. (From "Columbia's happy land.") Freoch Fried Potatoes. (From the land of the Shamrock.) Green Corn. (Give every man thy ear.) Baked Indian Pudding. (All sailors eat "plum duff.") Frozen Pudding. ("With spirits from the vasty deep.") Fruit. (Picked up "along the shore.") Crackers. ("Water" biscuit and "pilot" bread.) Cheese. ("When the good man yields his breath.") Coffee. (For an "even keel.") "Sublime tobacco! which from east and west Cheers the tar's labor * * * * * Give me a cigar!

The manipulation of the above feast and the subsequent oratory used up the entire afternoon and evening, but the participants, being principally the members of the famed "Old Guard," were equal to the occasion and wound up as fresh as when they started, and looking ahead joyously to the coming election season, hoping that Messrs. Hatch, Wood, Cotter and other good providers will still continue to make dinner wagers.

100,000 FERNS IN FLATS - - -

At One Cent. Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alha, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginellas, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

MONEY IN VIOLETS.

Practice the methods of culture and marketing explained in Professor Galloway's book

Commercial Violet Culture, 224 pages, elegantly printed and illustrated. Price, postpaid, \$1.50. COMMERCIAL PLANTS, G. W. OLIVER.....\$1.00 WATER GARDEN, WM. TRICKER..... 2.00 RESIDENTIAL SITES and ENVIRONMENTS. J. F. JOHNSON..... 2 50 Send for catalogue of other trade books. A. T. DE LA MARE PRINTING & PUB. CO., Ltd., P. O. Box 1697, NEW YORK.

PERLES, MAIDS, 3-INCH, ...SELECT.

Choice, strong stock, which will largely make up for late planting. They will pay for themselves in a few weeks. Absolutely sure to satisfy. \$4.00 PER 100. SPECIAL OFFER: We need the room and will pay one-half of express charges on orders of 300 or more to places within 500 miles. W. H. CULLETT & SONS, Lincoln, Ill.

McKellar & Winterson

WHOLESALE DEALERS IN

---Everything for Florists---

CUT FLOWERS AND PLANTS.

	Per 100
Beauties, long	\$20.00 to \$25.00
" medium	10.00 to 15.00
" short	6.00 to 8.00
Brides, Maids	3.00 to 5.00
Perles and Meteors	3.00 to 5.00
Carnations	1.00 to 1.50
Asters, good	1.00 to 1.50
Valley	4.00 to 5.00
Lilies	12.00 to 15.00
Adiantum	.75
Common Ferns	per 1000, 1.50
Smilax	per doz., \$1.25 to 1.50
Asparagus	" 5.00 to 6.00
Ivy	per 100, .50
Leucothoe Sprays	" .75
Galax, Green	per 1000, 1.50

FULL LINE OF FIELD-GROWN CARNATION PLANTS TO OFFER.

SEEDS AND BULBS.

Freesia, Bermuda, select	per 1000, \$ 5.50
" extra select	" 6.50
Longiflorum, 7 to 9	per 100, 10.00
Candidum, extra select	" 5.00
Von Sion Narcissus, extra select	per 1000, 11.50
Paper White	" 10.50
Dutch Hyacinths, select, separate colors	per 100, 4.50
Crocus, separate colors	per 1000, 2.50
Tulips, extra fine mixed	" 7.50
Have also fine stock of named Hyacinths and Tulips and all other seasonable bulbs.	
Give us your orders. Our prices are right.	
Trade pkt.	
Pansy Seed, Florists' Best, oz.	\$8.00 .25
Cyclamen, Giant Flowered	.50
Calceolaria, Finest Mixture	.50
Cineraria, Choicest Mixture	.50
Gloxinia Hybrida, Choicest Mixture	.50
Primula Obconica, Choicest Mixture	.50

ALL SEEDS AND BULBS IN SEASON.

SUPPLIES, ETC., ETC.

Sphagnum, burlap bales, each, #1; 6 for	\$ 5.00
" wire pressed, " 75c; 6 for	4.00
Tobacco Stems, fresh, 200 lbs. for	1.50
Preserved Cycas Leaves, assorted, 24 inches and up, per 100	15.00
Cape Flowers, white, per lb.	1.00
" colored, "	1.50
Tissue Paper, manilla, per ream	.50
" white, "	1.00
Wax " manilla, "	1.40
" white, "	2.00
Doyes, first quality, each, \$1.00; per doz.	10.00
" second " .85; "	9.00
Rubber Aprons, each, \$1.50; per doz.	15.00

Full stock of all Supplies, including Ribbons, Tin Foil, Toothpicks, Baskets, Wheat Sheaves, Bouquet Pins, Immortelles, Flower Vases, Jardinieres, Artificial Palms, etc.

SEND FOR COMPLETE CATALOGUE.

Selling Agents for Glaas, Building Material, Boilers, Putty, Mastica, Paints, Oils, Sod Crushers, White Lead, Walker's Fertilizers, Imperial Liquid Fertilizers, Insecticides, Etc.

45,47,49 Wabash Avenue, CHICAGO, ILL.

"Indispensable"

EDITION OF 1900,
POSTPAID, \$2.00

This is the only word which describes the American Florist Company's Trade Directory. This book, 387 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically; and new lists of Gardeners or Superintendents of private estates, Experiment Station Horticulturists, Landscape Architects and Horticultural Supply Concerns. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

AMERICAN
FLORIST
CO.,

324 Dearborn St.,
CHICAGO, ILL.

Williamsport, Pa.

A VISIT TO THE BUSY ESTABLISHMENT OF THE EVENDEN BROTHERS.—GOOD STOCK THE RULE.

The consensus of opinion is that despite the adverse conditions, generally conceded to have a detrimental effect on business, namely the presidential campaign and the strike in the Pennsylvania coal regions, business will go on undisturbed. This is most gratifying, indeed, and goes to prove that the florists as a body are optimists. If further proof be required as to the roseate views held by the florists, one need only point to the numerous improvements and additional buildings to be seen almost everywhere.

Evenden Bros. have just completed an additional house covering 50x155, two of the same dimensions having been built last summer. It is needless to add that with improved facilities their carnations, of which they make a specialty, will be of an improved order. Their field plants are all that could possibly be desired, clean, vigorous and healthy. It is noteworthy that none of the novelties, such as Mrs. Lawson, The Marquis, Ethel Crocker or Peru has suffered a setback of any kind. They seem to have taken hold of the Williamsport soil from the start and made the most of it.

Evenden Bros. are having good success with roses, their Brides, Bridesmaids, Perles and Meteors showing up splendidly even at this early season. Nor do they take second place in violets, while their bulbous stock, as a rule, compares most favorably with the best grown anywhere.

W. J. Evenden, who left on August 8 for Paris, gives glowing descriptions of the great fair, and especially of the horticultural and floricultural departments. He intends visiting England, Germany and Belgium before his return home.

NOMIS.

FINE, FIELD-GROWN

Lizzie McGowan Carnation ...Plants

4c. CASH WITH ORDER.

G. W. WEATHERBY,
Chillicothe, Missouri.

CARNATIONS
EXTRA FINE JOOST

\$40.00 per thousand to close out. Others all sold.

Isaac A. Passmore, Route 7, West Chester, Pa.

1000 Strong, Healthy Daybreak Carnation

Protected from frost, \$5 per 100; \$35 the whole lot. Have also 200 nice plants of ROSE QUEEN which have been very satisfactory to me—just the Republican color—at above price.

HILLSDALE FLORAL PARK, Hillsdale, Mich.

SURPLUS CARNATIONS.

FLORA HILL, WHITE CLOUD, TRIUMPH, DAYBREAK, \$5.00 per 100. AMERICA, CRANE, MELBA, BRADT, \$6.00 per 100.

Cash with order. **W. Sabransky, Kenton, O.**

Field-Grown Carnations Glacier, Evanston, Jubilee, Armazindy, Dana, Meteor, Bridesmaid, Eldorado, Portia, Scott, all others sold. Fancy stock, \$5; ordinary, \$3. CASH. **DANA R. HERRON, OLEAN, N. Y.**

Carnation Plants

ARE ALL SOLD EXCEPT 4000 FLORA HILL, 500 SCOTT AND 200 PIERSON.

In order to close this lot out at once will sell cheap. Plants are good size and healthy. Write for prices if you want them.

Blooms of leading varieties now ready in small or large quantities. Write for quotations. Standing orders solicited. Also large quantities of Violet Blooms.

Address **CHAS. CHADWICK, Grand Rapids, Mich.** Lock Box 11

Field-Grown CARNATIONS

Daybreak, Scott, Portia, Silver Spray, Genesee, Cartledge, Jubilee and Triumph, } \$5 per 100, \$40 per 1000

FIELD-GROWN VIOLETS,

\$5 per 100, \$40 per 1000. Pot-Grown Violets, 3-inch, \$3 per 100; 4 inch, \$4 per 100.

WM. F. KASTING, 481 Washington Street, BUFFALO, N. Y.



10,000 Carnations

Flora Hill, \$4 per 100, \$35 per 1000. Wm. Scott, \$3 and \$3.50 per 100, \$25 and \$30 per 1000. L. McGowan, \$2.50 per 100, \$20 per 1000.

C. HUMFELD
Clay Center, Kas.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS. Send for prices of thirty-five best new and standard varieties.

GEO. HANCOCK & SON, Grand Haven, Mich.

Daybreak Carnation

2000 fine plants, \$5.00 per 100, or \$75.00 for the lot.

Also 400 ADIANTUM CUNEATUM Ferns, from 6-inch pots, \$10 per 100. Cash with order.

E. B. SUTTON, JR., Babylon, L. I.

CARNATIONS

600 Crane, 1st size, \$6; 2d size, \$5. 200 Joost, 2d size, \$4. 800 Daybreak, 75 Jas. Dean, \$3.50. 400 Pingree, \$3. 200 White Cloud, \$5. Prices per 100.

CARL RAUTH, Springfield, Ill.

WM. MURPHY
Wholesale Carnation Grower
Station F, CINCINNATI, OHIO.

CARNATION PLANTS.

1100 Mrs. Frances Joost, \$3.00 per 100, \$25.00 for the lot. A few hundred Scott left, nice plants, at \$3.00 per 100. Healthy stock, liberal count.

CASH WITH ORDER.

GEO. R. GEIGER, Nazareth, Pa.

CARNATIONS FIELD-GROWN PLANTS

	Per 100	Per 100
GENEVIEVE LORD, the finest of all commercial pink carnations, fine plants	1st size, \$12.00	2d size, \$10.00
J. Whitcomb Riley	12.00	
Daybreak	6.00	
Mayor Pingree	5.00	
100 Wm. Scott	5.00	
Seedling No. 30, fine plants	8.00	

No. 30 is a bright pink, very free winter bloomer, stems averaging 2 to 3 feet.

H. WEBER & SON, Oakland, Md.

CARNATIONS SURPLUS STOCK.

McGowan	\$3.50 per 100
Evelina	4.00 "
Alaska	4.00 "
Lady Emma	4.00 "
Jubilee	4.00 "
Victor	4.00 "
Triumph	4.00 "
Mayor Pingree	5.00 "
Peachblow	5.00 "
Albertini	5.00 "
Red Jacket	5.00 "

Good Value Guaranteed.

JOHN WALKER, Successor to The E. Hippard Co. Youngstown, O.

MARQUIS CARNATIONS, field-grown,

\$10 to close balance of stock.

L. E. MARQUISEE, Syracuse, N. Y.

Mayor Pingree Carnations

I have 1000 strong healthy plants of this fine yellow variety. Will close them out at \$3.00 per 100, or \$25.00 for the 1000.

W. W. COLES, KOKOMO, IND.

Carnation Plants.

Fine field-grown plants: Flora Hill, Scott, Daybreak, Lizzie McGowan, Mrs. Fisher, Victor, New York, Evanston, Albertini, Firefly. Price, \$4.00 per 100.

SMILAX fine, 3-inch stock, \$2.50 per 100 PLUMOSUS, fine, 3-inch stock, \$5.00 per 100 CASH WITH ALL ORDERS, PLEASE.

VAN WERT GREENHOUSES, Van Wert, O.

FOR SALE.

350 Jubilee, 300 Flora Hill Carnations, \$3.00 per 100.

1000 Lady Campbell Violets, \$3.00 per 100.

ALL FIELD GROWN. CASH WITH ORDER.

ELI CROSS, Grand Rapids, Mich.

SOUTH PARK FLORAL CO.

.....NEW CASTLE, INDIANA.....

With our new addition, completed this summer, we now have 100,000 feet of glass devoted exclusively to ROSE CULTURE. Our houses are all new, and of the most approved and up-to-date design. Our boilers are all heated with natural gas from wells on our own grounds. Our soil is ideal for Roses. With such facilities, and with growers of extraordinary ability, we can produce the best Roses in the west.

Our output is sold by E. C. Amling, Chicago, although we can ship direct from the greenhouses if so desired.

We are now cutting 3000 to 5000 Roses daily, about one-half of which are American Beauty.

We are pleased to show visiting florists through our model plant.

SOUTH PARK FLORAL CO.

GRAND OFFER TO CLOSE OUT THE LOT.

Fine Plants. None Better.

	Per 100	Per 1000
1000 Bridesmaids.....	3 1/4-in. pots, \$3.00	\$25.00
500 ".....	2 " "	2.00
3500 Brides.....	3 " "	2.50 20.00
1300 ".....	2 " "	2.00 15.00
3000 Meteors.....	3 " "	2.50 20.00
500 Mme. Chatenay...4	" "	3.00
100 Mme. Cusin.....2	" "	2.00
125 ".....4	" "	4.00
150 Lady Dorothea...2 1/4	" "	2.00

	Per 100	Per 1000
200 Golden Gate.....	2 1/2-in. pots, \$2.50	\$20.00
700 Maid of Honor....4	" "	3.00
700 ".....2 1/4	" "	2.00
5000 Brides & Maids, 3-in., good fair stock...		10.00
Latania Borbonica.....	3-in. pots, \$15.00	Per 100
Areca Lutescens.....4	" "	25.00
Cocos Weddelliana.....3	" "	15.00

	Per 100
Asparagus Sorengerii.....	6-in. pots, \$25.00
" ".....3	6.00
" ".....2	3.00
Ficus Elastica, 6-in. pots. 50c, 75c and \$1.00 each	
" " 7 and 8-in. pots, \$1.50 to \$2.00	"
Boston Ferns, 6-in. pans.....	\$2.00
" " 7 ".....	75c
" " 8 ".....	\$1.00 to \$1.50

Plants are vigorous and unusually fine, and will be carefully packed. We guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

Field-Grown CARNATION PLANTS.

READY TO SHIP AT ONCE.....

	Per 100	Per 1000
CROCKER, extra large	\$12.50	\$100.00
G. LORD, 1st size.....	12.00	100.00
MARQUIS, 1st size.....	12.00	100.00
GEN. MACEO, 1st size..	8.00	75.00

	Per 100	Per 1000
G. H. CRANE, 1st size...\$	8.00	\$75.00
" " 2nd size..	6.00	50.00
GEN. GOMEZ, 1st size..	8.00	75.00
MRS. BRADT, 1st size...\$	8.00	75.00

	Per 100	Per 1000
MRS. JOOST, 1st size....\$	8.00	\$75.00
AMERICA, extra fine....	8.00	75.00
MELBA, extra large.....	8.00	75.00

ROBT. CRAIG & SON, Market and 49th Streets, PHILADELPHIA, PA.

Please mention the American Florist when writing.

X-Mas Specialties.

Baby Primrose, 2 1/4-inch, \$2.00 per 100; 3 1/4-inch, \$4.00 per 100.
 Browallia Gigantea, 2 1/4-in., \$3 per 100; rooted cuttings, \$1.50 per 100
 Begonia Gloire de Lorraine, 2 1/4-in., \$1.50 per dozen; 3-in., \$2.50 per dozen.
 Plants are **AI**, and your money back if not satisfactory.
 CASH, PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATION PLANTS.

WHITE CLOUD.....	\$4.00 per 100
MRS. BRADT.....	5.00 "
FLORA BILL and EVANSTON....	4.00 "
GOLD NUGGET.....	4.00 "
SCOTT, PORTIA and VICTOR....	3.00 "

ROSE PLANTS.

METEORS, 3-inch pots.....\$1.50 per 100
 BRIDE and BRIDESMAID, 3-in. pots 2.00 "
 Special price to close out. Strictly first-class and in fine shape.

A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago.

CARNATIONS..

Field Grown Plants.

F. DORNER & SONS CO., LA FAYETTE, IND.

Send for Price List.

New Haven.

BUSINESS BEGINS WITH THE OPENING DAY AT YALE.—VARIOUS DOINGS OF PERSONAL INTEREST.

Trade seems to be alive again. Flower buyers have returned from the country and seashore and Yale has opened her fall term, which makes business better. Palms and ferns are selling well and funeral work is very brisk at present.

Chas. Munro brought out a very attractive wagon last week, the swellest thing in town, the color being red. Mr. Munro reports business as being very good.

Wm. H. Long returned from Europe last week, having had a delightful trip. While abroad he visited the Paris Exposition, also places of interest in Holland. Alex J. Guttman, the New York commission, dealer, was a guest of J. N. Champion a few days ago.

Fred. Horn has just completed two new houses, one 20x100, for violets, and one 15x30 for bedding plants. G. H.

CHAMPAIGN, ILL.—T. E. Franks has some plants of Mrs. Lawson carnation from which he is cutting a few fine blooms. Mr. Franks is growing such sorts as Mrs. Bradt, G. H. Crane, Jubilee, White Cloud, Flora Hill, Mary Wood and Ethel Crocker.

80,000

FINE, LARGE, FIELD-GROWN

Carnation Plants

Your money refunded if plants are not satisfactory.

Argyle, Pingree,
Jubilee, Evelina,
Scott, Tidal Wave,
McGowan,
\$3.00 per 100, \$25.00 per 1000.

Daybreak, Armazindy,
White Cloud, Bradt,
\$4.00 per 100.

Flora Hill, \$5.00 per 100.

ROSE PLANTS.

METEOR } Large, strong plants.
BRIDESMAID } Per 100, \$2.50; 1000, \$20.00.
BRIDE }

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

FIELD-GROWN CARNATIONS.

Flora Hill, Scott, McGowan, Portia, Bridesmaid, Nivea, Eldorado, Gold Nugget, Morello, Jubilee, Armazindy, Kitty Clover, Victor, Daybreak, Dana, Evanston, \$3.50 and \$5.00 per 100.

Cash, please.

E. A. LEWELLYN, Olean, N. Y.

FIELD CARNATIONS.

To close out will sell following large, healthy plants, free from disease. Daybreak and Scott, \$3.00 per 100.

FIELD-GROWN JERUSALEM CHERRY and VINCAS, two varieties, at \$10.00 per 100.

LAMPRECHT BROS., ASHLAND, OHIO.

100,000 CARNATION PLANTS

LARGE, HEALTHY, FIELD-GROWN PLANTS.

	100	1000
WM. SCOTT.....	\$2.50	\$20.00
LIZZIE MCGOWAN.....	2.50	20.00
EVELINA.....	2.50	20.00
ARMAZINDY.....	2.50	20.00
GOLD NUGGET.....	2.50	20.00
VICTOR.....	2.50	20.00
NIVEA.....	2.50	20.00
MRS. BRADT.....	5.00	

PETER REINBERG,

51 Wabash Avenue,

CHICAGO, ILLINOIS.

FIELD-GROWN

CARNATIONS

LARGE, HEALTHY PLANTS, CLEAN AND READY FOR IMMEDIATE PLANTING.

	Per 100	Per 1000		Per 100	Per 1000
Triumph.....	\$5.00	\$40.00	Jubilee.....	\$3.50	\$30.00
Flora Hill.....	5.00	40.00	Bon Ton.....	3.50	30.00
White Cloud.....	5.00	40.00	Lizzie McGowan.....	3.50	30.00
Evelina.....	3.50	30.00	Armazindy.....	3.50	30.00

WIETOR BROS.,

51 WABASH AVE.

.....CHICAGO.

Field-Grown Carnation Plants

This stock is in elegant condition, strong, clean and perfectly healthy; sure to give satisfaction. Money refunded if not just as represented.

	Per 100	Per 1000		Per 100	Per 1000
MCGOWAN.....	\$3.00	\$25.00	NANCY HANKS.....	\$3.00	\$25.00
SCOTT.....	3.00	25.00	FLORA HILL.....	4.00	35.00
EVELINA.....	3.00	25.00	WHITE CLOUD.....	4.00	35.00
PORTIA.....	3.00	25.00	TRIUMPH.....	4.00	35.00

J. A. BUDLONG,

37-39 Randolph Street.

CHICAGO, ILL.

4 Acres Field-Grown Carnation Plants, 120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and are packed light by our improved method of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINCREE	BUTTERCUP	MRS. C. M. BRADT
\$1.50 per dozen.	\$3.00 per hundred.	
CRIMSON SPORT	ARMAZINDY	JUBILEE
DAYBREAK	WHITE CLOUD	MELBA
TRIUMPH	\$1.25 per dozen.	\$6.00 per hundred.
MCGOWAN	L. L. LAMBORN	SWEETBRIER
FLORA HILL	PORTIA	MRS. FISHER
WM. SCOTT	DOROTHY SWEET	C. A. DANA
	\$1.00 per dozen.	\$5.00 per hundred.

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring and freedom of flower by any others grown.

50 cls. per 100 \$4.00 per 1000.

J. L. DILLON, BLOOMSBURG, PA.

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch. MARIE LOUISE VIOLETS, from 2½ and 3-inch pots, \$2.50 to \$3.00 per 100; \$25.00 to \$30.00 per 1000.

A. S. MacBEAN, LAKEWOOD, N. J.

WITTBOLD'S FALL LIST OF EXTRA QUALITY DECORATIVE PLANTS.



We have a very choice stock of NEPHROLEPIS BOSTONIENSIS in sizes as quoted in list.

THE following quotations offer exceptionally good value. There is nothing quoted which we cannot recommend and ship at once, safely by freight, before cold weather. Our stock is larger than ever and particularly clean, healthy and vigorous; we offer it on its merit.

Kentias==Latanias

Varieties	Size Pot	Height Inches	No. Leaves	Each \$	Per Doz.	Per 100
Kentia Belmoreana	2½	8 to 9	3 to 4		\$ 1.50	\$12.00
Kentia Belmoreana	3	10 to 12	4 to 5		2.00	15.00
Kentia Belmoreana	3½	12 to 14	5 to 6	.25	3.00	20.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	30.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00	90.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	125.00
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00
Kentia Belmoreana	8	42 to 48	6	3.25	39.00	300.00
Kentia Forsteriana	2½	8 to 9	3 to 4		1.50	12.00
Kentia Forsteriana	3	10 to 12	4 to 5		2.00	15.00
Kentia Forsteriana	3½	12 to 14	5 to 6	.25	3.00	20.00
Kentia Forsteriana	4	14 to 16	5 to 7	.40	4.00	30.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	60.00
Kentia " strong	5	22 to 25	5 to 6	1.00	12.00	90.00
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	125.00
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00
Latania Borbonica	2½		3		.60	5.00
Latania Borbonica	3	12	5 to 6		1.00	8.00
Latania Borbonica	3½	12 to 15	5 to 6	.15	1.50	12.00
Latania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00
Latania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00
Latania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00
Latania Borbonica	6	24 to 30	6 to 8	.75	9.00	
Areca Lutescens	2½	5 to 6	3 plants in pot		1.00	8.00
Areca Lutescens	3½	12 to 14	3		2.00	15.00
Areca Lutescens	4	15 to 18	3	.25	3.00	25.00

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place - - - - CHICAGO, ILL.

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Adiantum Cuneatum	5-inch	\$2.00	\$15.00
Pteris Cretica Albo-Lineata	2-inch	.50	4.00
Pteris Serrulata Cristata	2-inch	.50	4.00
Pteris Serrulata	2-inch	.50	4.00
Pteris Tremula	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtomium Falcatum	3-inch	1.00	8.00
Cyrtomium Falcatum	4-inch	1.50	10.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Exaltata	6-inch	3.00	20.00
Nephrolepis Bostoniensis	4-inch	2.00	
Nephrolepis Bostoniensis	5-inch	3.00	
Nephrolepis Bostoniensis	6-inch	5.00	

..Asparagus..

Varieties	Size Pot	Doz.	Per 100
Asparagus Plumosus Nanus	2-inch	\$.50	\$ 4.00
Asparagus Plumosus Nanus	3-inch	1.00	8.00
Asparagus Plumosus Nanus	4-inch	1.50	12.00
Asparagus Plumosus Nanus	5-inch	2.00	15.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	6-inch	2.00	15.00
Asparagus Sprengerii	8-inch	5.00	
Asparagus Sprengerii	8-inch	10.00	

The several sizes of Asparagus Sprengerii are especially strong and large value.

Miscellaneous.

Araucaria Excelsa, 3-inch, nice plants		Each \$.50
Araucaria Excelsa, 3½-inch, nice plants		.75
Araucaria Excelsa, 5-inch, nice plants		1.00
Araucaria Excelsa, 5-inch, nice plants		1.25
Cycas Revoluta		.25c to .75
Pot Height	Leaves	Each
Ficus Elastica	6 22 to 23	12 to 14 \$.75
Ficus Elastica	7 24 to 28	14 to 16 10.00
Ficus Elastica	8 28 to 34	16 to 18 12.00
Pandanus Utilis	2½ 6 to 8	10 to 12 1.00
Pandanus Utilis	3 8 to 10	12 to 15 2.00
Pandanus Veitchii	6 extra fine	18.00

Miscellaneous==Continued.

Varieties	Pot	Height	Leaves	Each	Doz.	100
Cocos Weddeliana	3				2.00	15.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50		
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00	
Sansevieria Java Var., 2-inch, strong plants					dozen	69
Sansevieria Java Var., 3-inch, strong plants					"	1.25
Sansevieria Java Var., 4-inch, strong plants					"	2.00



NEPHROLEPIS WITTBOLDII. Strong runners, ready for 3-in. pots, \$1 each; \$10 per doz.

Baltimore.

TRADE VERY QUIET BUT THE SUPPLY OF STOCK IS NOT LARGE.—BOWLERS AND CARNATION MEETING COMMITTEES ARE ACTIVE.

Practically all that is being done in a retail way is funeral work, and that is not very plentiful, for the health of the city is excellent. Growers are busy finishing up fall work about the greenhouses, but are not overworked in cutting or shipping flowers, everything being in rather short supply, even for the limited demand. There are a good many outdoor roses, and some of them are really fine, comparing favorably with indoor stock. Anders Anderson from his little place cuts over 200 Mme. Cochet and Kaiserin daily, of quality and size first-class.

The bowling team is getting together and doing some good work. A member wants to know why the scores made on home alleys are always better than those made abroad, and why the relative scores of members change so greatly when on strange alleys.

The various committees on the carnation meeting are hard at work and Lehman's Hall will, from present indications, boast a really well arranged exhibition. **MACK.**

PORTSMOUTH, N. H.—Robert Capstick, who has been officiating as foreman for the M. E. Hutchinson place for a number of years, has bought out the establishment and will run it on his own account hereafter.

LYNN, MASS.—The annual exhibition of the Houghton Horticultural Society was opened September 27 at Odd Fellows' Hall, continuing three days. It was successful, as usual, and concluded with a banquet on Thursday evening.

PYRAMIDS

Bay Trees

Grand Pyramids,
Dense and Dark Foliage.
Exhibition Plants,
The Finest in Trade.

Height with tub, fifteen feet; diameter at the base, six feet. With packing,

Price per Pair, \$50.

Also Pyramids, height with tub, 12 feet; diameter at the base, 4 feet;

Price Per Pair, With Packing, \$30.

Standard Bay Trees

Height of stem, 4 feet; height of head, 4 feet; diameter of head, 4 ft.

Price Per Pair, With Packing, \$25.

Many pairs of each size of Pyramids and Standards, all alike, to be had. Cash or good references with order required.

DE SMET FRERES,
The Nurseries,
Ghent, (Belgium).

Headquarters for Lorraine Begonias

WE OFFER THE FOLLOWING FOR IMMEDIATE DELIVERY:

BEGONIA GLOIRE DE LORRAINE.

Fine, strong plants from 2 1/4-in. pots, \$15.00 per 100; 3 1/4-in. pots, \$25.00 per 100.

BEGONIA GLOIRE DE LORRAINE NANA COMPACTA.

Fine strong plants from 2 1/4-in. pots, \$15.00 per 100; 3 1/4-in. pots, \$27.50 per 100. We especially recommend the 3 1/4-in. size as being exceptionally well rooted and of strong, healthy growth; almost ready for a shift to a 6-in. pot. These plants should find a ready sale at Christmas as they will be in full flower at that time.

BEGONIA CALEDONIA, the White Lorraine.

Plants from 3 1/4-in. pots, for delivery November 1st., \$5.00 each. We are the only firm in America offering this fine new novelty this year.

R. & J. FARQUHAR & CO., 16 and 19 South Market St., BOSTON, MASS.

JOSEPH HEACOCK,

WYNCOTE, PA.,

OFFERS THE FOLLOWING HOME-GROWN Palms Free from INSECTS and DISEASE of any kind.

They cannot fail to Give Satisfaction. Should be seen to be appreciated. A Trial Order is Solicited.

		ARECA LUTESCENS.		
3 plants, 6-inch pot, 24-inch	.....	\$12.00	per dozen;	\$100.00 per 100
3 " " 8 " 30 "	.....	30.00	"	"
3 " " 8 " 36 "	.....	36.00	"	"
		KENTIA BELMOREANA.		
4-inch pot, 5 to 6 leaves, 15 inches high	.....	\$ 4.50	per dozen;	\$ 35.00 per 100
6 " " 6 " 24 "	.....	15.00	"	125.00 "
6 " " 6 to 7 " 26 "	.....	18.00	"	150.00 "
8 " " 6 to 7 " 30 to 32 inches high	.....		"	\$3.00 each.
8 " " 7 to 8 " 36-inch	.....		"	4.00 "
		KENTIA FORSTERIANA.		
4-inch pot, 4 to 5 leaves, 15 inches high	.....	\$1.50	per dozen;	\$35.00 per 100
6 " " 6 " 36 to 40 inches high	.....	\$3.00	each;	\$36.00 per dozen.
8 " " 6 " 48 to 50-in	.....	4.00	"	48.00 "

All Measurements Are from Top of Pot.

Chinese PRIMROSES

15,000 finest large flowering fringed.....1000, \$15.00; Per 100, \$1.75
 Obconica grand., fimbriata, rosea and Forbesi..... " 2.00
 Asparagus Sprengerii, \$3.00 per 100. Plumosus..... " 4.00
 Pansy Plants October 15, large flowering.....100, 50c; 1000, \$3.00

Cash Please. **JOSEPH H. CUNNINGHAM, Delaware, Ohio.**

McCARTHY'S PLANT AUCTIONS.

Tuesdays and Fridays, 9:30 A. M. In October, Palms, Ferns, Carnations and Miscellaneous Stock. In November, Roses, Evergreens, Nursery Stock and Bulbs.

For Mutual Advantage of Grower and Buyer. 84 Hawley St., BOSTON, MASS.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

BIG CUT

To make room for 25 000 GERANIUM CUTTINGS which must be potted in ten days.

Will fill all orders for RO-E stock at \$2.50 per 100; \$20.00 per 1000; 250 plants for \$5.00. Bear in mind this price only holds good to the 15th of October: Brides, Meteor, Maids, Golden Gate, Perle, Kaiserin and Wootton strong, 3 and 3 1/2-in., 12 to 18 in. high, full of new shoots. Fine stock.

10,000 Strong Field Grown CARNATIONS, X X strong, full of buds, \$3.00 per 100.

ASPARAGUS SPRENGERII, very strong, 2 1/4-in. ready for 4-in., only \$4.00 per 100.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO.
SPRINGFIELD, ILL.

Indianapolis.

ENJOYABLE MEETING OF FLORISTS AT A COLLEAGUE'S.—FALL SHOW IS PLANNED.

The florists' meeting which was held at A. Wiegand & Sons' place, October 2, was one of the most enjoyable we have had. Refreshments had been provided and the Messrs. Wiegand devoted their time to seeing that everybody was well served. Some of those members, even, who have thought of nothing but eel worm and red spider for the last ten years forgot themselves and joined in the amusements. It was the first opportunity of many members to view Mr. Wiegand's store since it has been remodelled. The store, which is furnished richly and tastefully, is joined in the back by a work-room, which can be taken as a model of convenience. The second story contains two rooms, one a billiard room, the other a store-room.

At the meeting it was decided to hold a fall show in connection with the state society's meeting November the 14th. Exhibits are to be in place at the agricultural rooms of the State House at 11 a. m. Premium lists can be obtained of the secretary, Robt. McKeand. H. J.

JAMESTOWN, N. Y.—The Lakeview Rose Gardens are at work upon a range of new glass which will increase their capacity 53,000 square feet. This is one of the most rapidly developing concerns in the country. With this addition they will have more than 350,000 feet of glass.

POUGHKEEPSIE, N. Y.—The annual exhibition of the Dutchess County Horticultural Society will take place at the armory, from November 6 to 8. W. G. Salford has been appointed manager. The usual preponderance of violets is looked for and a special inducement this year is a prize of \$25 which Mayor Shirrell has offered for the best bunch of 200 blooms.



Some Cheap Plants FOR CASH.

- 500 Choice Mixed Ferns, 4-in. \$8.00
- 20,000 Pansy Plants, Giant Fancy Flowering, 1 6 New Ruffled Sorts, per 1000, 4.00
- 5,000 Flowering Begonias, 10 varieties, named, 2½-in. 1.50
- 10,000 Geraniums, 4 varieties mixed, June rooted, 2½ in. 1.50
- 2000 Field-grown Roses, Bride, Bridesmaid and Perle 5.00
- 5000 Field-grown Jerusalem Cherry, hundreds of berries, 2-ft. diam., bushy, fine... 10.00
- 10,000 Chinese Primulas, blue, white, pink and red, separate, Baraard's strain, fine... 1.50
- 1000 Cinerarias, 2½-in. 2.00
- New Geranium De Roo Mitting, yellow foliage, with double scarlet bloom, 2½-in. \$1.50 per doz.
- New Geranium Double Snow Drop, 2½-in. \$1.50 per doz.

THE MORRIS FLORAL CO., MORRIS, ILL.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors; a splendid stock of plants from 2½-in. pots, \$5.00 per 100, \$40.00 per 1000; from 3-in. pots, \$7.00 per 100, \$60.00 per 1000.

BEGONIA REX—(rooted cuttings). I have a most beautiful collection of this justly popular pot plant in 25 very handsome varieties, assorted, \$2.00 per 100; mixed, \$1.50 per 100.

ALL STOCK GUARANTEED A No. 1. PAUL MADER, East Stroudsburg, Pa.

NEPH. WASHINGTONIENSIS.

of its size and durability it is an excellent plant for decorations, for specimens or for cutting fronds. Try one and be convinced. One large plant from 8-in. pot for \$2; smaller ones from bench, 15c and 20c, or 10 small ones for \$1, free by mail. Large, 6 ft. high and broad specimens, from 14-in. pots, \$10 each.

PALMS—Kentia Belmoreana, from 7-inch pots, 6 to 7 leaves; fine specimens, 5 feet high, \$4 each; 3 feet, \$2.50; 2 feet, \$2 each. Lantania Borbonica, 8-inch pots, 2 and 3 feet size, \$1.25 and \$1 each. Scaforthia Elegans, 6 feet high, from 7-inch pots, excellent for decorating, \$1 each; from 6 inch pots, 4 feet high, 60c each. Areca lutescens, from 5-in. pots, 3½ feet high, 50c each. Cocos Weddeliana, from 4-inch pots, 15 to 18 inches high, 30c each. All palms 10 percent less by the doz. or half doz.

FERNS—Bostoniensis and Davallioides furcaus, fine, well established specimens, from 6 and 8-in. pots, \$7 & \$9 per dozen. Exaltata and Philipeis from 6 and 7-inch pots, \$4 and \$6 per dozen.

RUBBERS—Fine plants from 6-inch pots, \$1 per dozen.

The giant of the Nephrolepis Ferns, grows in one season five to six feet in height, fronds 12 to 15 inches broad, of leathery texture and metallic lustre. On account of its size and durability it is an excellent plant for decorations, for specimens or for cutting fronds. Try one and be convinced. One large plant from 8-in. pot for \$2; smaller ones from bench, 15c and 20c, or 10 small ones for \$1, free by mail. Large, 6 ft. high and broad specimens, from 14-in. pots, \$10 each.

DRACAENAS—Lindenii and Masangeana, from 5-inch pots, beautifully colored, \$6 per doz. Fragras, same size, \$3.50 per doz. Terminalis and Fragras from 4½-inch pots, \$2.50 per dozen.

DIFFENBACHIA—4½-inch pots, \$3 per dozen. Maranta Febrina, 3-inch pots, 50c per dozen. Anthurium grande, flue, 4 and 5-inch pots, \$2 and \$3 per dozen. Pandanus Utilis, 4½-inch pots, \$3 per dozen. Well colored Crotons, from 5-inch pots, \$3 per dozen. Begonias, Rex and blooming varieties, 5-inch pots, \$1 per dozen. Jasmynes in variety. Gardenia, Oranges, Allamandas, Cero-dendrons S ephanolis, Hoya Carnosa, 4 and 5-in. pots, \$1 and \$1.50 per dozen. Umbrella Plants, f r 6 and 7-inch pots, \$1.50 per dozen; \$8 per 100. Also bedding plants in variety.

N. STUDER, Anacostia, D. C.

Möller's Deutsche Gärtners-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtners Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt. (GERMANY)

VEGETABLE PLANTS

CABBAGE—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

SIGMUND GELLER

Importer and Mr. of Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

Imported Prepared CYCAS LEAVES

LOWEST PRICES.

RECEIVING REGULAR SHIPMENTS.

Florida Natural Products Co.,

P. O. Box 273, Indianapolis, Ind.

..PURE..



Sheep Manure.

Dry, pulverized, in car lots, \$8.00 per ton. Dry, but not pulverized, \$4.00 per ton. In natural or green state, \$1.50 per ton; l. o. b. cars, Kirkland, Ill.

ADDRESS

MONTANA FERTILIZER CO., Elgin, Ill., U. S. A.



Invalid Appliance Co.,

MANUFACTURERS OF COLUMBIA PLANT TUBS

(PATENTS)

"The kind that never fall apart." If your seedman doesn't handle them, order of us direct.

FACTORY AND OFFICE: 150-160 VEEDER ST., CHICAGO. TELEPHONE NORTH 023.

Smilax Plants. Strong, bushy plants from 2 and 2½-in. pots. Must sell to make room. \$5 a 1000, 75c a 100, cash. Write for sample and price on large lots. R KILBOURN, Clinton, N. Y.



THE KINNEY PUMP.

For applying Liquid Manure it has no equal!

Sent prepaid for \$2.50. Without spraying valve \$2.00.

Ad-dress The HOSE CONNECTION CO. KINGSTON, R. I.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN—SOLD BY SEEDSMEN—CIRCULAR FREE—SKABCURA DIP CO. CHICAGO.

Kill AND SAVE THE BLOOMS the Bugs! QUICKLY DOES IT.

IMP

LIQUID PLANT FOOD

For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY, Chicago Office: 620 Atlantic Ave., Boston. H. K. SNIDER, Suite 423, 260 Clark St.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, clocked, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brassed and nickel-plated, with three clasps for 5 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tube, ¼-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist, 1725 Chestnut St. Philadelphia, Penn

American Florist Advt.

Mean More Business.

WE ARE READY

For the coming season with the most complete and comprehensive line of "Florists' Supplies" to be found in America.

Being one of the LARGEST IMPORTERS AND MANUFACTURERS of

Florists' Supplies

We invite every Florist to step in and see our stock, if at all possible, or write to us for our **HANDSOME NEW ILLUSTRATED CATALOGUE**, which will be found complete and up-to-date. A few of our specialties are

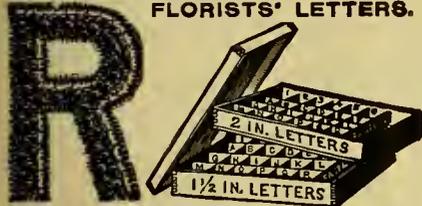
IMPORTED CYCAS LEAVES (dull and glazed), our **FAMOUS WHEAT SHEAVES, IMMORTELLS, CAPE FLOWERS** (all colors), **NOVELTIES IN FANCY AND PLANT BASKETS**, for every occasion; **POT COVERS, PEDESTALS**, and **EVERYTHING** that is needed by the trade will be found at
"HEADQUARTERS."

M. RICE & CO., Importers and Manufacturers,

918 Filbert St., PHILADELPHIA, PA.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$2.00.
 Script Letters, \$4. Fastener with each letter or word.
 Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
 84 Hawley St., BOSTON, MASS.
 Please mention the American Florist when writing.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
 50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.
 Please mention the American Florist when writing

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,
 AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

HEADQUARTERS FOR

COCOA FIBRE, SPHAGNUM and
 SHEEP MANURE, GREEN MOSS,
 BONE all grades, RUSTIC WORK, all kinds,
 IMPORTED SOOT, CLAY'S FERTILIZER.

DUNNE & CO., 54 West New York.
 30th St.
 HORTICULTURAL SUPPLIES.

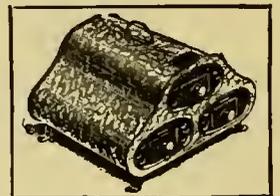
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers,

10 Bond St., NEW YORK.

JAMES W. ERRINGER,

Gen. West. Sales Agent,
 297 Wabash Ave., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

PURE RAW BONE MEAL

Put up especially for our trade. For Roses and Carnations nothing equals it. Use it on Chrysanthemums and you will win the prize at your flower show for the best bloom. 10 pounds, 40c; 25 pounds, 75c; 50 pounds, \$1.25; 100 pounds, \$2.00; 1 Bag, 200 pounds, \$3.75.

THE VAIL SEED CO., Indianapolis, Ind.

SMILAX STRINGING Made Easy by the use of

MEYER Green SILKALINE

JUST THE SHADE OF THE FOLIAGE.
 Samples and prices free.

JOHN C. MEYER & CO.,
 80-84 Kingston St. BOSTON, MASS.
 sale by leading Florists.

REED & KELLER,

Manufacturers of Florists' Designs.

Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

THE Regan Printing House

NURSERY
 SEED
 FLORISTS

CATALOGUES

87-91 Plymouth Place,

CHICAGO.

HAIL!

FOR INSURANCE AGAINST
 DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
 SADDLE RIVER, N. J.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country
 by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

Washington.

MATTERS OF INTEREST IN AND ABOUT THE CAPITAL CITY.—AN ACCIDENT.—TRADE IMPROVING.

F. H. Kramer and wife met with an accident one night last week. They had been visiting some friends in Virginia and, returning home, their horse took fright while crossing the long bridge. They were both thrown from the buggy and painfully injured. They were taken to the Emergency Hospital, but, while they were badly bruised and shaken up, their injuries were not serious.

Trade is showing some signs of life again. Some of the florists are having a few small decorations for some of the fall openings; it gives them something to do if it does not pay very well.

J. H. Small & Sons are having extensive changes made and are renovating their store throughout. P. G.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'Y.

HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE GO., MILWAUKEE, WIS.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capital, write us; we can save you money.

W. H. ERNEST,

281st and M Streets N. E. WASHINGTON, D. C.

...Send For Our...

NEW CATALOGUE No. 47

Just Out. (It is Free).

This Catalogue lists hundreds of lines of merchandise which will save you money. We buy serviceable second-hand material and new stocks in sheriffs' or receivers' hands; in fact anything and everything which we can get at a price which will enable us to save customers money on every item, to undersell the market on every want. Here are some of the many lines which interest every florist:

- | | | |
|-------------------|--------------|-------------|
| BOILERS | CRATE BARS | PAINT |
| BUILDING MATERIAL | HOSE | PAPER |
| CEMENT | HOSE MENDERS | SASH |
| COUPLINGS | IRON PIPE | TOOLS |
| ENGINES | LUMBER | VALVES |
| FLUES | POTS | VENTILATORS |
| GLASS | PUMPS | WIRE |

And a thousand other items of daily necessity. Write today for our new Fall Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,

West 35th and Iron Sts.

CHICAGO.



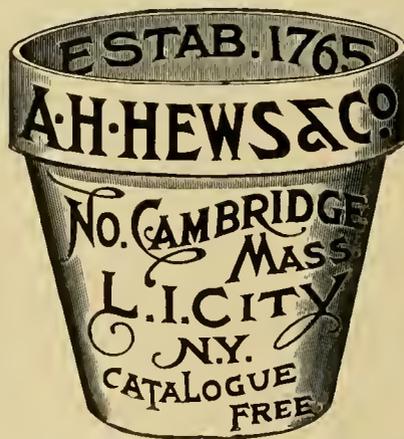
Valley Gutter and Drip Conductor, 54c per foot. Without Drip Conductor, 40c per foot.

Jennings Bros., GREENHOUSE DESIGNERS... & BUILDERS.

Mfrs. of and dealers in Greenhouse Specialties.

Patent Iron Bench Frame Fittings, Improved Cast Iron Gutters and Plates.

Send for Catalogue. Jennings Bros., Olney, Philadelphia, Pa.



Please mention the American Florist when writing.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2-in. pots in crate, \$4.88	120 3-in. pots in crate, \$4.20		
1500 2 1/4 " " " 6.25	60 3 " " " 3.00		
1500 2 3/4 " " " 6.00	48 9 " " " 3.60		
1000 8 " " " 5.00	48 10 " " " 4.80		
800 3 1/4 " " " 5.80	24 11 " " " 3.80		
500 4 " " " 4.60	24 12 " " " 4.80		
320 6 " " " 4.51	12 14 " " " 4.80		
144 6 " " " 3.16	6 16 " " " 4.50		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY, OR.... FORT EDWARD, N. Y.

AUGUST BOLKER & SONS, New York Agents
52 DEY STREET, NEW YORK CITY.

Please mention the American Florist when writing.

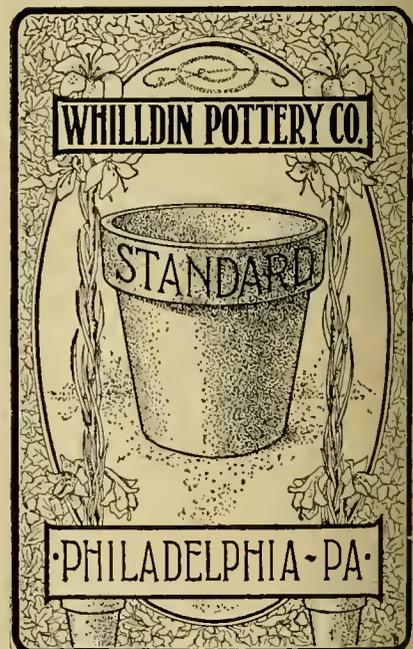
FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWANN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.



GEO. KELLER & SON, MANUFACTURERS OF Flower Pots.

Before buying write for prices.
361-363 Herndon Street
Near Wrightwood Ave., CHICAGO, ILL.

Always mention the.....

American Florist

when writing advertisers.

FOR GLASS AND PAINT LOW PRICES HIGH QUALITY

TRY LUCAS

& Co., JOHN 141 N. 4th St. PHILADELPHIA. New York and Chicago.

GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

LANCASTER, PA., June 17, '99. MR. THERON PARKER, Brooklyn, N. Y.:

Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900. Very Respectfully, ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.,

226 North 9th Street, BROOKLYN, N. Y.

THE MODEL ROSE STAKE Looped and Pointed.

THE MODEL PLANT STAKE for Lilies and all Pct Plants.

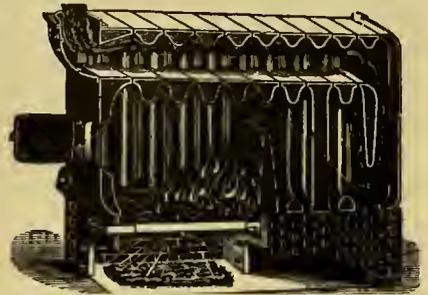


MY PICTURE AS A "KID." (Presenting a rear view of a stern reality)

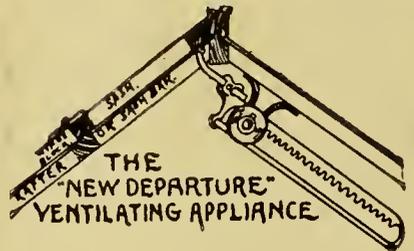
When I was young, you will observe, I was very backward; but I have got over that, and now come to the front claiming to have the best WATER HEATER, VENTILATING APPLIANCE and SASH HINGE for greenhouse purposes, that are in the market.

Furthermore, they are so simple in construction I can afford to sell them much cheaper than other styles.

Now florists, don't be backward in sending for a catalogue. Remember, when you find you NEED a thing, the sooner you get it, the more you will have for your money, again I say "DON'T BE BACKWARD," but "keep up with the band wagon." Let me hear from you AT ONCE. J. D. CARMODY, Evansville, Ind.



AMERICAN CHAMPION BOILER.



THE "NEW DEPARTURE" VENTILATING APPLIANCE

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class. Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO., YOUNGSTOWN, O.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS. HOT-HOUSE GLASS A SPECIALTY.

American Florist Advertisements Work Every Day.

Advertisement for H.M. HOOKER COMPANY, COR. CLINTON and RANDOLPH STS. CHICAGO. GREENHOUSE GLASS OUR SPECIALTY. LARGE STOCK PROMPT SHIPMENT. ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc. WRITE FOR LATEST PRICES.

Advertisement for THE CHAMPION VENTILATING APPARATUS. EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable. COOLIDGE BROS., Florists, So. Sudbury, Mass.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Index to Advertisers.

Advertising Rates.....	318
Allen J K.....	323
Allen S L & Co.....	11
American House Co.....	322
Aming E C.....	325
Beller F A.....	346
Barnard W W & Co.....	1
Baur S Alfred.....	1
Barrow J G.....	330
Basnett & Washburn.....	321
Bayensdorfer H & Co.....	337
Bentley & Co.....	324
Berning H G.....	322
Beaulieu H.....	11
Binoekuna Die.....	11
Blanc A & Co.....	326
Blue Hill Nursery.....	327
Bubba K & Atkins.....	335
Bouham F E.....	327
Boston Letter Co.....	357
Brinton W P.....	326
Brown Peter.....	324
Bualong J A.....	321 332
Burgard H A.....	320
Bryce W A Lee & Co.....	11
Byer Bros.....	327
Caldwell the Wood- man Co.....	321 324
Carlsen Johannes.....	11
Carmony J D.....	339
Chadwick Cass.....	331
Chicago Carriage Co.....	221
Chicago House Wreck- ing Co.....	333
Cincinnati Col Flo Co.....	322
Clark Wm A & Son.....	335
Colpa W W.....	331
Collins Thos.....	324
Conard & Jones Co.....	327
Conley Full Co.....	327
Coolidge Bros.....	339
Cottage Garden.....	1
Craig & Hunter.....	327
Craig Robt & Son.....	331
Cross Ed.....	330
Cummins John H.....	334
Cunningham D O Glass Co.....	339
Davis Bros.....	327
Deamud J B.....	30
De La Mare A T Pk and Pub Co.....	338
De Smet crates.....	334
Detroit Pot Mfy.....	338
Dietsch A & Co.....	341
Dillon J L.....	332
Dorner Fred & Sons Co.....	331
Dress H A.....	334
Dunne & Co.....	337
Eastern Chemical Co.....	335
Eichholz Henry.....	331
Ernest W H.....	338
Farquhar H & J & Co.....	334
Ferguson John.....	322
Fisher Lawn Rake Co.....	323
Florida Nat Prod Co.....	336
Ford Bros.....	323
Foster Lucius H.....	324
Fryer E.....	326
Gardner's Chronicle.....	11
Gardening Co The.....	11
Garland Geo M.....	11
Gelzer Geo R.....	330
Geuer Sigmond.....	336
Ghormley Wm.....	323
Gibbons H W.....	11
Giblin & Co.....	111
Good & Reese Co.....	335
Gullett & Sons W.....	323
Gunter Wm H.....	323
Gurney Heater Co.....	310
Hagenbach & Co.....	335
Hall Ann.....	337
Hancock Geo & Son.....	339
Hancock Joseph.....	334
Hazen J B.....	327
Heller & Co.....	11
Hem ecke C Co.....	338
Herenden Mfg Co.....	11
Herr Albert M.....	326
Herron A A.....	337
Herron Dana R.....	331
Hewes A H & Co.....	338
Hildner Bros.....	338
Hill E G & Co.....	1
Hilledale Floral Park.....	330
Hippard & Co.....	339
Hilchings & Co.....	11
Holton & Hunkel Co.....	320 337
Hosker H M Co.....	339
Horan Edw C.....	323
Hurt Adv.....	11
Hose Connection Co.....	336
Humphel C.....	331
Hunt E H.....	324
Invalid Appliances Co.....	336
Indianapolis Flower and Plant Co.....	327
Jackson & Perkins Co.....	326
Jackson E B.....	327
Jacobs S & Sons.....	322
Jennings E H.....	326
Jennings Bros.....	338
Johnson & Stokes.....	324
Kaating W F.....	322 331
Keller Bros.....	338
Keller Geo & Son.....	338
Kellogg Geo M.....	322
Kennelort Bros Co.....	327
Kift Robert.....	336
Kilbourn H.....	336
Kroeschel Bros Co.....	11
Kroehn C A.....	322

Kuhl Geo A.....	327
Laker & Hurrell.....	334
Lake w Rose Garden.....	331
Lamprecht Bro.....	334
Lark Luitan.....	323
Langjahr A H.....	322
Lee S A.....	322
Lehman Bros.....	337
Ley John H.....	328
Limprecht S J.....	323
Lindsay E A.....	332
Lockland Lum Co.....	333
Long D B.....	324
Lonsdale Edwln.....	327 335
Lord & Burnham Co.....	11
Loven J G.....	321
Lucas J & Co.....	339
Lynch W E.....	321
McCarthy & Co N F.....	322 334
McFadden E C.....	34
McFarland John.....	335
McKellar & Winterson.....	321 329
MacBean A S.....	332
Maeder Paul.....	336
Maizee L E.....	330
Meyer John C & Co.....	337
Millang & Co.....	323
Millang Frank.....	323
Miller J W.....	324
Model Plant Stake Co.....	339
Moller's Gartner Zel- tung.....	336
Moninger J C Co.....	111
Montana Fertilizer Co.....	335
Moore Samuel C.....	326
Moore Wm H.....	324 330
Moore, Hentz & Nasu.....	323
Morris Floral Co.....	336
Moss Geo M.....	322
Murphy Wm.....	330
Myers & Co.....	310
Nissen Leo.....	332
N C & Flower Ex.....	323
N 1 Cut Flower Co.....	323
Pennmore Isaac.....	330
Pennock Saml S.....	322
Phillips & Dodge.....	36
Pierman F K Co.....	321
Plumouth Cut Flo Co.....	330
Plymouth C Co.....	320
Prince A G & Co.....	311 331
Quaker Cl y Meh Wke.....	111
Randall A L.....	321
Rauth Carl.....	333
Rawings E L.....	326
Reed J.....	323
Reed Gas & Paint Co.....	11
Reed & Keller.....	327
Reynolds Printing Co.....	337
Reinberg Peter.....	311 332
Reizer Walter & Co.....	337
Rice M & Co.....	337
Rudgers Alex.....	11
Roedder A.....	324
Roeker A & Co.....	11
Sabransky W.....	330
Saltford Geo.....	323
Sando & Co.....	321
Schneid S C.....	11
Schullo Adam.....	11
Schmidt J C.....	327
Scully John A.....	11
Sheridan W F.....	323
Shreboot & Son.....	310
Sitona's & Wanta.....	336
Skibours C Co.....	336
Smith Na h & son.....	327
Smurthwaite C A.....	11
Spence Co.....	11
Soltan C.....	326
South Park Floral Co.....	334
South and Floral Co.....	334
Stani Chas B.....	323
Stearns Lumber Co.....	111
Stothoff H A & Co.....	11
Storra & Harris Co.....	35
Studer N.....	326
Styer J J.....	322
Styer Geo A.....	322
Sutton E B Jr.....	331
Swann Pottery Mfg Co.....	328
Thorburn J M & Co.....	324
Treadly & Schenck.....	323
Vall Seed Co.....	337
Van Wert Greenhouses.....	330
Vaughan & Seed S Co.....	335
Vick & Sons Jas.....	11
Vincent R Jr & Son.....	336
Vredenburg & Co.....	11
Walker John.....	330
Watson G U.....	11
Weatherby G W.....	330
Weathered's sunn.....	111
Thos W.....	331
Weber H & Sons.....	331
Weeber & Don.....	11
Welland & Binch.....	321
Welch Bros.....	323
Whilldin Pot Co.....	322
Wielter Bros.....	321 334
Witt Jid The Geo Co.....	331
Wood Bros.....	324
Woodroffe & Bern- heimer.....	322
Wood, Stubbs & Co.....	324
Young Jno.....	323
Young & Nugent.....	323
Zirngelbel D.....	326



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

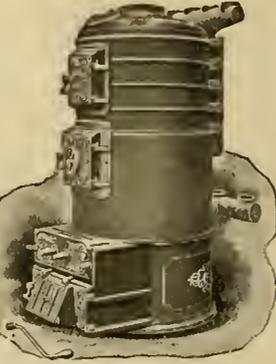
We manufacture Boilers capable of heating any size Greenhouse

RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch, 111 Fifth Ave., cor 18th St. BOSTON, MASS.



GURNEY "400 SERIES" HOT WATER HEATER.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.

Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)



WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.

GREENHOUSE MATERIAL,

Cal. Red Cedar and Louisiana Cypress.

BEST GRADES, PERFECT WORKMANSHIP.

A. DIETSCH & CO. 615-621 Sheffield Ave. CHICAGO, ILL.

THOSE FALLEN LEAVES

CAN BE KEPT OFF THE LAWN WITH LITTLE EFFORT IF YOU HAVE A

FINLEY ROTARY LAWN RAKE.



The Finley Rotary Lawn rake in operation.

It picks them up and holds them until you are ready to deliver them to your burn heap or compost pile. The wind can't blow them about after once raked. It does the work much better than the hand rake, and does it three times as fast. It takes up grass, either long or short, twigs and loose litter of any kind, stones included, that a hand rake would not touch. It will save its

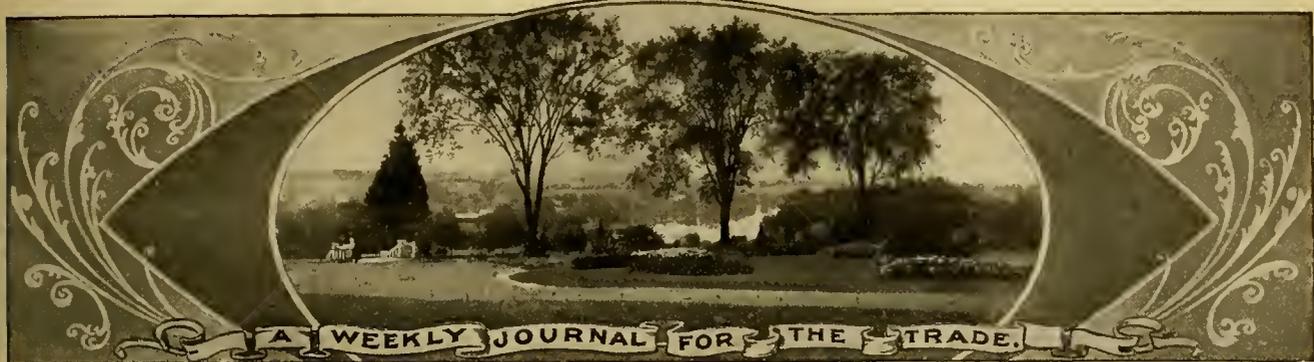
cost in 60 days on any good lawn. Price, \$12.00. It was given a Certificate of Merit by the Society of American Florists at the New York Convention, the judges reporting that they "Believe it to be far superior to anything else in the market."

Send for Illustrated Circular.

FINLEY LAWN RAKE CO., Joliet, Ill.

BRIDGEPORT, CONN.—The boilers, piping and glass in the greenhouses erected by O. H. Nye have been sold to J. N. Champion, of New Haven, Conn., by the Milford Savings Bank. The greenhouses will be entirely removed.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, OCTOBER 13, 1900.

No. 645.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HEER, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

Autumn work of the plantsman.....	341
A noted French rosarian (portrait).....	342
The cultivation of sweet peas (illus.).....	342
Inventories for florists.....	343
Device to hold long-stemmed flowers (illus.).....	344
American Dahlia Society.....	344
In the world of plantsmen.....	344
American Rose Society.....	344
London.....	345
Jardinieres of plants (illus.).....	345
Boston.....	346
New York.....	346
Chicago.....	347
Pressure from water tank.....	348
Greenhouse building.....	348
Memorial day flowering plants.....	348
Returning water to boiler.....	348
Piping greenhouses.....	348
Propagation of Ficus elastica.....	348
Capacity of boiler.....	348
Pyrethrum "The Pearl".....	348
Meetings of florists' clubs.....	349
Obituary.....	349
The seed trade.....	354
The nursery trade.....	356
—Springfield, O.....	356
—Regulations regarding San Jose scale.....	356
St. Paul.....	356
Our pastimes.....	358
Philadelphia.....	358
Denver.....	360
Baltimore.....	362
Fall River, Mass.....	364
Louisville.....	366
New Jersey Floricultural Society.....	370

Autumn Work of the Plantsman.

At this busy season of the year much work has to be crowded into a short time, for though this fall has been a very favorable one in regard to the mildness of the weather, yet we cannot expect to escape frost much longer, and therefore all tender stock should be speedily housed. The extended use of cold frames for the summer culture of decorative stock provides temporary space for a much larger quantity of plants, and in many instances produces a more sturdy growth than is found in those grown in the greenhouses all summer, but unless an early outlet can be found for a considerable amount of these plants there is bound to be a very congested condition in the houses when the outdoor stock is brought in.

Among the plants quite susceptible to injury from over-crowding at this season are cyclamens, Chinese primroses and ericas, all of which are very valuable winter blooming plants when properly grown, and this crowding is especially likely to do harm during the humid days that often occur in October and November. A well grown cyclamen should not only produce an abundance of flowers—I have seen a 6 inch pot plant with eighty perfect flowers open at one time—but the foliage should also be perfect, thick, heavy and well colored, and such a plant cannot be had if unduly crowded. Cyclamens are frequently among the plants that are grown in frames during the summer and during the early portion of the season may need some protection from full sunshine, but as the growth becomes stronger less shading is needed, and ultimately it may be dispensed with altogether unless the weather continues to be extremely hot and dry. But it is wiser to get the cyclamens under cover before the nights become too cold and also to protect them from the heavy fall rains.

Chinese primroses may also be grown in frames but should have heavier shading than cyclamens, for primulas in general are shade-loving subjects and are also somewhat impatient of extremes of moisture and require careful watering during dull weather. And speaking of primroses reminds me of the fact that the Abyssinian primrose, *P. verticillata*, is but seldom seen of late years. This species might be worth considering as a comparative novelty by some of our enterprising growers, its yellow flowers being of good size and produced in two or three whorls on erect spikes. The long and rather narrow leaves of *P.*

verticillata are quite thickly covered with a white, mealy powder, especially on the under surface, this feature adding considerably to the oddity and attractiveness of the plant.

Primula Japonica may also find a place among the spring flowering plants for retail selling. Though various plants of this species vary greatly in color of bloom, yet some of the dark red and crimson forms are very attractive and the plant is quite a strong grower, needing only the same low temperature required for the English primrose to make a satisfactory growth. Both the cyclamens and the primulas should be protected from the attacks of aphids by the use of tobacco, the most convenient method of using this insecticide being by means of the chopped stems spread among the pots on the benches.

Longiflorum lilies for Easter are usually kept in frames for some time after being potted up, this practice usually resulting in a better root action before the top growth is very pronounced. It also gives the tops a more sturdy and short jointed growth. But, while the lilies may remain outdoors in safety later in the season than cyclamens and primulas, yet it is wise to get them under cover before sharp frosts occur, and it is also good practice to adopt the same preventative measures in regard to aphids that have been suggested for the preceding plants. Full exposure to the light will be given to the lilies at all times from now forward, and comparatively light watering and but little syringing will be needed during the winter, over-watering being a contributing cause in many cases of failure with Easter lilies.

English ivy is a very salable plant in many parts of the country and seldom goes begging in the retail store, the chief difficulty in many places being to find nicely grown and well trained specimens; carelessly tied and dirty-looking plants that have just been lifted from the field often fail to attract attention. Though hardy, it is just as well to get the ivies under cover before severe frosts come, or the foliage may be somewhat discolored.

Then there are the early shipments of lily of the valley and Dutch bulbs to be attended to, all of which should be gotten into the earth just as soon as possible after they are received. In the case of lily of the valley, if the ordinary method of forcing by planting the pips on the bench of the forcing house be used, it will only be necessary at this time to bury the bunches of pips out in the frame,

covering them with two or three inches of soil, allowing frost full access to the frame. If the method of forcing in flats is the one adopted, it is best to plant the pips in the flats at once, give them a good watering, place the flats in the open frame and first cover them with a thin covering of straw litter, this to be followed with about two inches of soil. The only object in using the covering of litter over the pips is to facilitate the removal of the soil at the time the pips are to be brought into heat.

Tulips, narcissi and hyacinths should also be kept outdoors until they are needed for forcing, thus securing the root growth that should precede the forcing process in the case of these bulbous plants. But these remarks as to bulb forcing will doubtless be taken as simply being a reminder rather than an instruction, for these facts are already familiar to almost every grower.

Azaleas should also be under cover, else the buds may suffer from a sudden frost, but very free ventilation and an abundance of light should be given to these plants after they are brought in. A night temperature of 45° is quite high enough for azaleas until such time as they may be required to flower, and even a few degrees lower than this will not hurt them. Newly imported azaleas should be potted up at once on their arrival, care being taken that none be potted while dry at the root, for it is difficult to get them moistened through afterwards. These newly arrived azaleas should have some little protection from the sun for a few days after potting, and also be given frequent syringing, the foliage being rather tender after having been boxed up so long.

Still another matter that needs careful attention at this season is the heating of the greenhouses, and in company with this may also be mentioned the matter of ventilation. A little heat is required in most of the houses now, not always on account of the outdoor temperature but to dry up the superfluous moisture due to condensation, and also to give a better circulation of air in the houses. But so long as the weather will permit it is a good practice to keep the ventilators open to some extent, both at night and through the day, and especially so in those houses that have recently been filled with stock brought in from the open air.

W. H. TAPLIN.

A Noted French Rosarian.

Joseph Pernet, the well known rose grower, was born in the vicinity of Lyons in 1853, his father before him having been a noted raiser of some of the best varieties in commerce. Mr. Pernet commenced the raising of seedling roses in 1882, and if one will look over the lists of roses now grown and cultivated, the name of Pernet will be found to shine particularly bright. Mr. Pernet, like all sensible rosarians, fell in love, and won the daughter of Mr. Ducher, who, in his day, stood with Lacharme, Levat and the elder Guillot at the head of the list of successful producers of new roses. Mrs. Pernet is imbued with the same spirit and love for the rose that permeates the mind and heart of her distinguished husband. In France where there is a marriage that brings together two parties from the same line of trade, or business, the new firm generally perpetuates the family name of groom and bride, hence the trade title of Pernet-Ducher. This firm has several little Pernet-Duchers, among them a young man who inherits

his father's love for the rose. A visit to this noted establishment during the past summer was of more than passing interest, for nowhere in Europe are to be seen so many beautiful and interesting novelties in roses.

Stopping at Paris I had the pleasure of seeing Mr. Pernet's new roses displayed at the exposition. The fact that his Soleil d'Or was awarded the first premium on mere sight—the jury was only a few minutes in deciding—led me to wonder what had caused such accelerated haste in such a deliberative body. It was that the candidate was new in color, distinct in character, and withal had such claim on the jury on account of its parentage and the radical composition of its character. Soleil d'Or was very distinct as seen growing at Lyons; and, if I do not miss my prediction, it will prove a valuable and unique garden



JOSEPH PERNET.

rose for our country. It is a cross between Persian Yellow and the hybrid perpetual, Antoine Ducher. When in its young growth it had foliage similar in color to the popular Crimson Rambler, but with no tendency to climb. Mr. Pernet writes that the demand has been so great that he has sold his entire stock of plants. To the credit of this firm, out of the six premium prizes awarded at the rose exhibition, held about the middle of June last, four were bestowed on the varieties of Pernet-Ducher. The other sorts were Joseph Hill, a creamy white with deep apricot shading; Prince of Bulgaria, a distinct hybrid tea of a most peculiar and pleasing shade, silvery flesh shaded with glowing salmon; and Mme. Geo. Didier, in the style and general make-up of President Carnot but with shadings of yellow. Mr. Pernet seems to lean towards the hybrid teas for all, or nearly all, of his finest seedlings are of that race. Joseph Hill and Mme. G. Didier will not be disseminated until 1901 or 1902.

The firm of Pernet-Ducher have only recently moved to a new location, just adjacent but to the east of Lyons proper. The soil is a reddish clay full of small stones, and at first sight one wonders how a rose could grow in a soil that looks only fit to make bricks. But the healthy, sturdy growth attests its suitability

for rose growing. Some of the pleasantest hours of my life were spent in the garden and under the roof of the genial, serious minded gentleman whose kindness is here reproduced. When one recounts the many noted varieties of roses which have emanated from this noted raiser's hand one can use with truth the words of Dean Hole in the opening sentence of his book on roses: "He who would have beautiful roses in his garden must first have beautiful roses in his heart." Surely Joseph Pernet must have had the image of beautiful roses in his mind to have given to the rose world so many beautiful varieties. E. G. H.

The Cultivation of Sweet Peas.

[Read before the Pennsylvania Horticultural Society by Wm. Robertson, gardener for Jno. W. Pepper, Jenkintown, Pa.]

In accordance with the recent resolution adopted by this society, that winners of prizes should give an account of their methods of growing the exhibits, I have prepared a short paper on sweet peas.

It has been my practice to prepare the ground thoroughly in the fall and to sow the seed early in spring. In November I dig a trench ten inches wide and one foot deep; then put four inches of well decomposed horse manure in the bottom of the trench. Tramp it firmly and put in two inches of soil on top of the manure. Then give a liberal dusting of pure bone meal and cover this with soil in rough condition and let the trench remain until spring.

Sowing the seed depends greatly upon the weather and condition of the ground but the seed should be planted not later than the middle of March. Should the soil in the trench be too wet take some dry soil from the shed and put one inch of this in the trench. After sowing the seed cover it with one inch of dry soil. The white varieties are most liable to rot and should not be sown before April 1. These varieties also require dryer soil than the other colors. These two conditions must be strictly observed in order to have success with white sweet peas.

It is a good plan to have a ridge along the side of the trench to prevent surface water from running into it. Do not fill up the trenches with soil while the vines are growing. Allow a slight grade down into the trench and by keeping the ground cultivated the spring rains usually wash all the soil into the trench which is necessary to be about the vines. As warm weather appears use a mulch in the trench and give a good watering as the ground gets dry.

This has been my method of cultivation and its success can be seen from the fact that I have been awarded first prize for three consecutive years, in the competition for the Henry F. Michell prize, for best general display of sweet peas exhibited before this society.

It is advisable to sow named varieties in order to secure a full collection of the grandest blooms. In my opinion the following varieties are the leaders in their different colors:

Pink: Blanche Ferry, Katherine Tracy, Miss Hunt, Princess Beatrice, Apple Blossom.

White: Blanche Burpee, Queen of England.

Red: Cardinal, Firefly, Splendor.

Blue: Navy Blue, Countess of Radnor, Monarch.

Yellow: Primrose, Mrs. Eckford.

Orange Pink: Lady Mary Currie.



SWEET PEAS IN THE GARDEN OF JOHN W. PEPPER, JENKINTOWN, PA.

Inventories for Florists.

ED. AM. FLORIST:—Your letter with request for my views as to the best methods of running greenhouses so that one can determine the profits on different stock growing has been received. You certainly have made a mistake in asking me. You will notice that your correspondent wants the opinions of florists above the average. I do not claim even so much as our friend Rudd, being a very poor average, but if I were to say anything, I would repeat Mr. Rudd's advice and say "Me, too."

In growing general stock it is certainly an impossibility to correctly determine the cost of any one item unless it is grown in large quantities. The idea of taking an inventory in the greenhouse business has never occurred to me and I cannot see how it could be done with any degree of satisfaction. The value of plants is certainly very hard to determine; it could only be estimated. The value of a plant is the same as with any other class of goods, worth just what it would sell for, or what profit you could get out of it, which would be hard to tell.

I think Mr. Rudd's figure of depreciation is full high, if the houses are well taken care of. I have houses that have been built for over twelve years and with care I expect that they will last more than that time to come and have a large salvage left. Certainly the best time to find out what the profits or losses may be is at the end of the business year, which is the first of July. I do not think it is practical to try to determine the expenses of each month separately, but take the year as a whole. How could you well charge all the expense of July

and August to these months? Your houses are giving you no returns and your expenses are very heavy; the results you get later.

In our business, where we are obliged to grow a little of everything, we take the year's business. In expense account we take repairs, depreciation, taxes, water, insurance and everything that could come under the heading of expense, excepting new work, and deduct that from the amount of sales and the difference is either the profits or losses. If there is any more satisfactory way of getting at what you are doing, like your correspondent, I would be glad to learn of it.

O. P. BASSETT.

I believe it to be practically impossible for the average florist to take any inventory that would prove reliable or satisfactory as a basis from which to figure the value of his stock in cash at the time the cutting is made, the seed sown or the bulb planted. From that time on the stock changes so rapidly and the results are so various, even in the hands of the most skilful growers, while prices obtained depend so much upon growth conditions to which the caprices of a constantly changing market contribute an additional element of utter uncertainty, that an inventory value is but little more than the merest guessing. In short, it is unwise to figure your wealth till the money is in your pocket.

Of course there are certain classes of plants, such as palms, azaleas and some others, that in certain sizes have a solid wholesale value that can be figured on, but these things usually constitute a small item in the average florist's stock, the bulk of his goods being, in fact, items

of loss instead of profit if not disposed of at the proper time.

I do not wish to be understood as condemning inventory taking. On the contrary, it is a necessary thing when the object to be attained is the correct one, namely, to ascertain what you have; whether too much or too little of the various things you grow, and in order to do this properly, it seems to me that it should be done several times a year. Exercise your best judgment in having the stock ready at the right time and it seems to me that the money in the bank at the end of the season is about the only reliable valuation of the year's stock.

In regard to allowance for depreciation, this must always vary greatly according to the class of material and workmanship that goes into a greenhouse, as well as according to the uses it is put to and the extent to which repairs are kept up. I think that generally speaking, for a well built wooden structure, ten to twelve per cent should cover depreciation and repairs.

ADAM GRAHAM.

It seems to me that where the books of any establishment are kept in a proper, systematic manner and balanced every month, it is the correct thing to take an inventory each year. I take mine about June 1, each year, because at that time the quantity of stock on hand is much smaller than at any other time during the year. I commence with my establishment and allow five per cent depreciation on the iron frame houses and ten per cent on the wooden frame houses; and in order to be on the safe side I estimate my plants at about half wholesale price, and all supplies at about half cost

price. Surplus bedding stock, doubtful and bad book accounts, etc., I consider very little. I always aim to bring each inventory much below the actual value, in order to avoid estimating above real worth. Of course, not having a partner in my business, I am not as particular in the matter as other concerns would necessarily have to be, where several persons might have interests in the business.

A. N. PIERSON.

Device to Hold Long-Stemmed Flowers.

The accompanying illustration shows a remarkably simple but useful contrivance for holding cut blooms of chrysanthemums, lilies or any other long-stemmed flowers. A butter tub, four laths and a piece of wire is all there is to it. It is cheap, light and is better for the foliage on the stems than a deep vase, as it does not exclude light and air.

American Dahlia Society.

The American Dahlia Society held its annual meeting at the rooms of the American Institute, Wednesday, September 26, Mr. Henshaw presiding. This gentleman was afterward elected as president of the society for the ensuing year; Rev. W. T. Hutchins, vice-president; and James W. Withers secretary and treasurer. A committee on nomenclature was elected as follows: M. S. Higgins, East Bridgewater, Mass; W. W. Wilmore, Denver, Colo.; W. F. Bassett, Hamonton, N. J.; Rev. W. C. Bolton, Pelham, N. Y., and Rev. W. T. Hutchins, Indian Orchard, Mass.

The secretary was authorized to make arrangements with the authorities of the Pan-American Exposition at Buffalo, N. Y., for the holding of a dahlia show in connection with the exposition next fall.

The following new dahlias were brought before the society and passed upon: W. Atlee Burpee, Philadelphia, presented Harlequin, fancy pompon, flowers two and one-half inches in diameter. The plant accompanying the vase of blooms showed its extreme floriferousness and adaptability as bedder. A vote was taken and the variety received a certificate. Magnificent, canary yellow, was offered by the same exhibitor but the committee asked that the variety be brought before them again. Salmon Queen, decorative, from the same exhibitor was certificated. In connection with Salmon Queen the original introducer, L. K. Peacock, withdrew the name Aginaldo, making the statement that only a very few plants had gone out under that name. This was accepted by the committee.

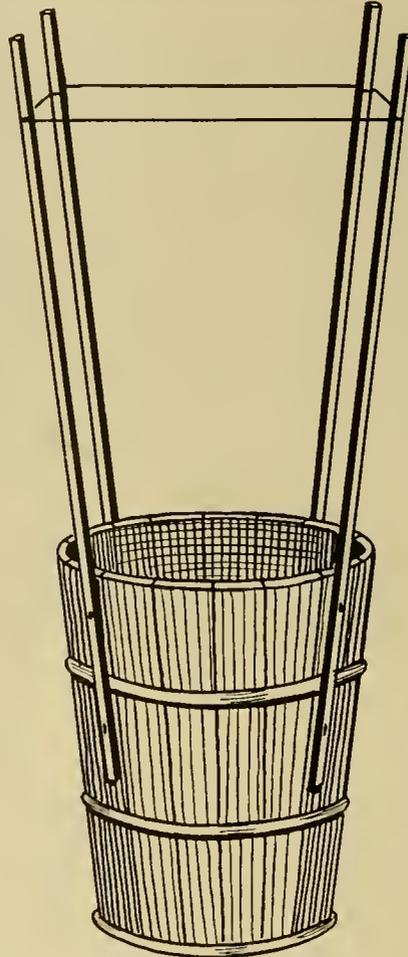
Rowehl & Granz, Hicksville, L. I., presented a fancy, color buff and crimson, under the name of Menheddy Beauty. This received the full number of votes and was certificated. O. B. Coombs, Queens, N. Y., exhibited a number of blooms under the name of Miss Helen Gould. The committee disqualified this exhibit on the grounds that the variety was already known under the name of Uncertainty. It also has the following synonyms: Mary Eustace, Floral Park Jewel and Miss Roth. Their decision was that the variety was simply a light colored form of Uncertainty and that the chances are that the stock will revert back to the deeper color by which Uncertainty is known; hence recognition was refused.

The varieties Salmon Queen and Harlequin were registered with the society by W. Atlee Burpee & Co., Philadelphia.

JAS. W. WITHERS, Sec'y.

In the World of Plantsmen.

To those who have never visited Dreer's nurseries at Riverton this remarkable place will prove a revelation, as it is so unlike any establishment of its kind in America. In looking at the immense quantities of palm seedlings and plants in sizes up to 4-inch pots it would seem as if there was enough stock in sight to supply all America and that the market would be over-stocked. But such is not the case, as larger sizes of palms, from 6-inch up, while largely grown here, are never in such quantity as will supply the demand and thousands are obtained each season to fill orders, from local and European growers. Importations of



CHEAP RECEPTACLE FOR LONG-STEMMED FLOWERS.

palms in large sizes have been arriving by the car-load the past week, one block of Phoenix Canariensis being very fine.

Jacob D. Eisele, who has been spending the summer in Europe, has just reached home. He looks well and says he had a very pleasant trip. He says that growers abroad all seem very prosperous; new establishments are opening and there is great enthusiasm everywhere. Prices are kept well up and stock is held at figures which leave but very small margins for the importer. This applies particularly to desirable stock, such as sells quickly. They do not seem, even in the palm growing centers of Europe, to be able to keep up with the demand. Mr. Eisele says that the phoenix is becoming very scarce, as they seem to be subject to a disease when growing outside in the

south of France, where they are raised until large enough for 8-inch to 10-inch pots. Although grown out of doors they are always kept in pots, as they do not stand lifting. They have to be grown in a greenhouse for a year afterwards to finish them.

Mr. Eisele says that the Belgian growers can keep their stock closer together on the tables and also grow plants on shelves over the others without their drawing or getting spindly as they would in this country. There must be something in their climate that favors them as such a course here would ruin everything.

In England Mr. Eisele found the Rochford establishment growing with all the vigor of a young place. Something like an area of thirty-five acres is covered with glass, which requires the attention of over 400 employees. The cold storage plant here is perfection itself. That there shall be little danger of neglect in this department, the men in charge are relieved every four hours. The temperature is kept at from 26° to 28°. Liliun longiflorum bulbs were seen that had been on the shelves for a whole year and seemed to be plump and in perfect condition. A number of plants, among them Azalea Mollis, also looked very well and none the worse for their long sleep. Eight million lily of the valley pips is now the season's requirement, and millions of tulips, hyacinths and narcissi are also included in a season's forcing.

The stock of palms is more stupendous than ever and all are sold through the medium of Covent Garden market. One of the sights was three large houses of Begonia Gloire de Lorraine in perfect condition. Mr. Eisele brought back with him an importation of the new white Lorraine, which carried very well.

The business at Riverton is growing very fast. An immense quantity of stock has been sold and shipped this fall and "sold" tags are seen in many places. The recent sowing of palm seeds includes seventy-five bushels of kentia seeds and 100,000 young kentias and the same quantity or more of young arecas are in sight. Adiantum Farleyense grows here like a weed and is finer this year than ever. When I asked Mr. Eisele how it is does he said that he had heard the man who has charge of it say that if he followed the directions of some of the fern experts who have written on its culture his success would soon turn to failure.

An immense quantity of all kinds of ferns are to be seen here, all, or nearly all grown outdoors in frames during the summer and housed in the fall. I might enumerate the houses of araucarias and the latanias, a fine lot, for which there is a great demand, because, Mr. Eisele says, they take up more room to grow well than the average small grower can spare and who only buys a limited quantity at a time. Suffice it to say that everything is grown that is at all in demand at the present day. One of the sights is 2,500 tons of Buckwheat coal in one pile. Whether the strike ties up the coal market is a matter of little concern at Riverton just at present.

K.

American Rose Society.

The executive committee of the American Rose Society met in New York city on Friday, October 5, for the purpose of revising the schedule of prizes for the March show, next year, which will be held in New York. This was accomplished as regards the regular classes,

which remain much as last year, but important alterations and additions were made, as will be seen when the schedule appears, in about a week or ten days. Copies will be sent on request to the secretary, Leonard Barron, 136 Liberty street, New York.

A gold challenge medal will be offered for the display of novelties of the four years preceding the date of the show and a handsome challenge piece is instituted for gardeners. Important additions are made in the classes for pot plants and prizes are to be offered for the best individual bloom in several named classes for hybrid perpetual, hybrid teas and teas.

Perhaps the most significant action was in regard to a scale of points by which the judges at the March show shall work. Two distinct scales were adopted as follows for competitive classes:

Size	15
Color	20
Stem	20
Form	15
Substance	15
Foliage	15

Total.....100

For judging novelties entered for certificate:

Size	10
Color	20
Stem	15
Form	15
Substance	10
Foliage	15
Fragrance	5
Distinctiveness	10

Total.....100

Lndon.

TWO VERY GOOD EXHIBITIONS IN THE BRITISH METROPOLIS.—DAHLIAS ON DISPLAY AT THE ROYAL AQUARIUM.—CACTUS VARIETIES ARE IN THE LEAD.—NOTES OF THE EXHIBITS.—SHOW AT THE LATE SEPTEMBER MEETING OF THE ROYAL HORTICULTURAL SOCIETY.—QUITE A VARIETY OF EXHIBITS.—WHAT THE GROWERS OFFERED AND THE AWARDS.

The dahlia show at the Royal Aquarium, September 18 to 20, was a great success, all the available space in the large hall being well filled and the exhibits so arranged as to make a most effective display. All the classes were well represented but the great feature of the show was the cactus varieties, among which were many striking novelties; the new varieties were chiefly confined to this class. They seem to have almost entirely superseded the more formal show varieties.

The competitive classes were all well contested, especially those for cactus and pompon varieties. The single sorts do not appear to be so popular as formerly, although there is considerable improvement in the varieties. We also have some fine single cactus varieties, very regular and perfect in form. Cheal & Son take the lead in the last named. Of trade exhibits, Hobbies, Ltd., (J. Green) made one of the finest, consisting entirely of cactus varieties. Dobbie & Co. made a fine exhibit in which all classes were well represented. Their exhibit also included many other subjects, African and French marigolds being very good.

Cannell & Sons filled a large table with a grand assortment of cactus dahlias and cannas. Burrell & Co. showed cactus dahlias and gladioli in grand form.



JARDINIERS OF PLANTS AT THE EXHIBITION OF FLORAL ARRANGEMENTS, FRANKFURT, GERMANY, JUNE 22-24, 1900.

H. J. Jones had a miscellaneous group in which cannas and begonias were a great feature, the latter consisting of good, single, tuberous varieties and some of the best winter flowering sorts. Moonlight, Gloire de Lorraine and Richardsiana were conspicuous. Gold medals were awarded for each of the five exhibits referred to above.

C. F. Fowle, of Devon, showed a good collection of sweet peas, the blooms being very fine for so late in the season. Begonia blooms from Messrs. Peed & Sons were very good, especially the double yellows and amber varieties. I. S. Ware's group of hardy flowers was very attractive. I should add that the dahlias arranged in vases with foliage were an attractive feature. If we could get more exhibits of this kind the meetings would be far more attractive than the old, formal way of arranging single blooms on boards and would give a much better general idea of the true value of the different types and varieties.

The Royal Horticultural Society's meeting, September 25, was most interesting, the hall being again filled to its utmost capacity. The most prominent exhibit was a large collection of pitcher plants from Veitch & Sons. The most conspicuous were Sir W. T. Dyer, long, broad leaves and pitchers over a foot deep, of a bright green, marbled with

brown. *Chelsoni excellens*, *Burkei*, *Balfouriana*, *Morgania*, *Amesiana*, *Dicksoniana*, *sanguinea*, *Mixta-sanguinea*, *Mastersiana*, *Lineyi* and *Rafflesiana* were all shown as fine specimens. A gold medal was awarded for this exhibit.

Dahlias were again well to the front, J. Green again staging a large bank of cactus varieties. Mr. Stredwick showed some new varieties. Certificates were awarded for Lord Roberts, creamy white, of perfect form; General French, deep apricot, large full flowers; Miss Jewett, apricot, shaded amber, and *Bessie Mitchell*, buff, with a red shade. All were of the cactus type. Other certificated varieties were as follows: From Mr. Mortimer, Prince of Wales, a fine yellow of the cactus type. From Cheal & Son, *Venus*, a pompon cactus, pure white, and *Shamrock*, single, deep crimson with a shaded margin. From M. V. Seale, *Doris*, pompon, mauve with light center, and *Thalia*, pompon, rosy red.

A box of colchicums and sternbergias was very attractive. First-class certificates were awarded for *Sternbergia macrantha* and *Colchicum speciosum album*. A fine collection of bamboos was exhibited by Mr. Russell, of Richmond, many of the specimens being of great size. Michaelmas daisies were well shown by Mr. Davis and by H. J. Jones. Mr. Jones also exhibited a collection of

begonias. H. B. May showed Begonia Mrs. Leopold de Rothschild, a sport from B. Gloire de Lorraine. The flowers were larger than in the type but of a pale, washed-out pink, certainly not so pleasing a shade of color as its parent.

Kniphofias (tritomas) and helianthus were well exhibited by Veitch & Sons, also a good basket of *Hydrangea hortensis* Mariesi. The plants were dwarf and flowers of a deep rose, the outer flowers only having the broad florets. From Mr. Pritchard came two good varieties of *Aster amellus*, Riverslea, deep violet, and Stella, mauve. From A. Perry came *Aster amellus* Beauty, deep violet.

A good collection of sweet peas came from Johnson & Son. Mr. Beckett exhibited a collection of capsicums. These were clean-grown specimens with well developed fruits, which well illustrated their value for decorations. Roses were again shown by W. Paul & Sons. They consisted chiefly of hybrid teas and were staged in large clusters with plenty of foliage.

B. R. Cant exhibited a new hybrid tea rose, Mrs. B. R. Cant, bright rose with a creamy shading at base of petals. The plant shown was of vigorous habit and full of buds, and the bunches of cut blooms were very attractive. This gained an award of merit. Hardy flowers were shown by A. Perry and Barr & Sons, the latter having a good variety of *Helianthus rigidus*, named H. S. Moon, for which an award of merit was given.

H.

Boston.

SURPRISE IS SPRUNG AT THE ANNUAL ELECTION OF OFFICERS FOR THE MASSACHUSETTS HORTICULTURAL SOCIETY.—THE REGULAR NOMINEE DEFEATED WHEN NO OPPOSITION WAS ANTICIPATED.—A LARGE DISPLAY OF DAHLIAS.—GOLD MEDAL FOR SEEDLING ORCHIDS.—STATE OF BUSINESS.—VARIOUS ITEMS OF VARYING INTEREST.

The unexpected happened at Horticultural Hall last Saturday on the occasion of the annual election of officers of the Massachusetts Horticultural Society, the former element electing, as president, O. B. Hadwen, in whose interest they had been secretly working, and defeating Gen. F. H. Appleton, the present incumbent and regular nominee, whose friends were caught anapping. Mr. Appleton's four years of service as president have been years of great and substantial progress in the society but his aggressive efforts have not been always to the liking of the conservative wing, which opposed the plan of removal and rebuilding when that question was under discussion and has been arrayed generally in opposition to President Appleton's policy. Gen. Appleton accepted a renomination this year with extreme reluctance but was induced to do so on the plea that he should remain at the helm until after the completion of the new edifice. His defeat does not, however, affect his position as chairman of the building committee. O. B. Hadwen, the president-elect, has long been an active and honored member of the society and has been prominent in horticultural and arboreal affairs in Worcester, where he has resided since boyhood and where he has for many years been engaged in farming. His age is 76 years. At present he is president of the Worcester County Horticultural Society, a position which he filled once before for a term of twenty years. He is a trustee of the Worcester Agricultural Society and of the Amherst Agricultural College and has for many

years served with much devotion and zeal on the board of park commissioners of the city of Worcester.

A large display of dahlias was made on Saturday last in Horticultural Hall, the absence of frost being taken full advantage of by the dahlia growers. Lothrop & Higgins, C. S. Pratt and W. C. Winter were among the leading exhibitors. G. H. Hazzard was represented by a fine collection of cactus dahlias. E. O. Orpet, gardener to E. V. R. Thayer, was the happy recipient of a gold medal for five seedling cattleyas, all very beautiful flowers. They were C. Thayeriana, C. intermedia × C. Schroderia alba; *Lælia nigrescens*, L. pumilla × L. tenebrosa; *Lælio-Cattleya* Blanchleyense, L. tenebrosa × C. gigas Sanderiana; *Lælia juvenalis* var. *superba*, L. pumilla var. *præstans* × L. Perrinii; and *Lælio-Cattleya* C. G. Roebling, C. Gaskelliana × L. purpurata aurea. There were also handsome orchids from H. A. Wheeler and Oakes Ames.

Business is generally very slow to move, although some of the retailers are getting more or less good work. At the wholesale places the quality of stock received is discouragingly poor. Roses show the effects of the dull weather and find customers but slowly. Carnations are becoming more plentiful and chrysanthemums begin to assert themselves here and there. Violets are coming in but attract no attention as yet and are very dead stock.

Hitchings & Co. have just put in one of their big No. 58 sectional boilers for the Botanic Garden at Cambridge. One of the same size was installed last week, also, at H. H. Hunnewell's.

W. E. Coburn has given up the greenhouses he has been running at Chelsea and will be hereafter associated with his father, I. E. Coburn, at Everett.

John Walsh & Son took first prize for plants at the Reading fair and George Hollis was similarly successful at the So. Weymouth fair.

Otto Ruoge has leased the greenhouses of the late C. R. Tuttle and will conduct the establishment hereafter in his own name.

E. M. Wood & Co. are to plant their three high houses with *Asparagus plumosus*.

H. E. Barrows won first premium for cut flowers at the Brockton fair.

Visitors in town: Winfried Rolker and H. S. DeForest, both of New York.

New York.

UNFAVORABLE WEATHER INFLUENCES THE CUT FLOWER SITUATION.—THE MONTHLY MEETING OF THE CLUB.—PLANS FOR A BIG EXHIBITION NEXT YEAR.—HENSHAW DISSEMINATES ON OUR NEW POSSESSION.—LANTERN PICTURES OF MUCH INTEREST.—MOVEMENTS OF GROWERS, WHOLESALESMEN AND RETAILERS.—VARIOUS ITEMS.

A succession of dismal-visited, foggy or rainy days, accompanied by a temperature abnormally high, has had a most debilitating effect on greenhouse flowers of all kinds, particularly roses. Stems are drawn and slender, buds are soft in substance and pale and washed-out in color and, although cut very close, are hardly started on their way to market before the buds become open blooms of the most disconsolate type. Really good roses are impossible under these conditions, and it will require quite a spell of the clear, frosty weather that all are longing for to restore the product to an acceptable grade. For the same reasons stems are not improving as they

should in carnations, and chrysanthemum and violet growers wear a look of concern that is readily interpreted. Most noticeable in the general flower stock at present is the large number of cattleyas seen in the windows and the superb quality of the blooms. *Cattleya labiata* is easily the queen of commercial orchids and indispensable to the florist who has any ambition to be up-to-date.

The regular monthly meeting of the New York Florists' Club, on Monday, October 8, was well attended for a rainy evening. A number of aftermaths from the convention were disposed of, among them a proposition to assume the cost of transportation of exhibits to the horticultural exhibition, which was settled by a unanimous vote in the affirmative. The books show a considerable amount of money outstanding which is due the club from advertisers in the souvenir book and the trade exhibition and it was voted to call a special meeting for the fourth Monday in October to consider and adopt means for its immediate collection. The matter of another public exhibition for next year was broached and advocated by President O'Mara with much earnestness, there being abundant resources in the neighborhood of New York for an exposition of great magnitude. Mr. Manda spoke enthusiastically in approval and assuring the fullest support from both private and commercial sources, and Mr. Henshaw, in endorsing same, repeated the offer made some time ago of necessary exhibition space and accommodations at the Botanical Garden in Bronx Park.

On the completion of routine business Ex-president Samuel Henshaw entertained the meeting with a series of beautiful stereopticon views of scenes in Trinidad and Porto Rico, with descriptions of life in Ponce, San Juan and other places lately visited by him, much amusement being created by the groups of boys and others dressed "mainly in sunshine." These views were alternated with a large number of lovely colored pictures of flowers and garden scenery painted by Mrs. Van Brunt and loaned to Mr. Henshaw for this occasion. A few similar slides were shown by Dr. Britton in his lecture at the convention, and those who were fortunate enough to see them can imagine the beauty of the larger series exhibited by Mr. Henshaw. On the exhibition table were dahlias exhibited by Bobbink & Atkins, E. C. Miller and H. Beaulieu, which were favorably commented upon. Messrs. Burns, Young, Weathered, Stewart and Troy were appointed a special committee to express to Ex-president Plumb their regret at the loss sustained by his return to England and their good wishes for his future prosperity. Ten new members were added to the roll.

Gerbera Jamesoni, the beautiful vermilion daisy illustrated in the AMERICAN FLORIST a few weeks ago, is blooming freely at Mr. Herrington's, in frames, from seed sown last spring. There can be no question as to the value of this flower commercially; once generally introduced it would become indispensable. Mr. Herrington says it is a continuous bloomer and if sowed at once when gathered the seed germinates in a few days. It is not likely to become very plentiful, however, for a long time, because of the small amount of seed produced. Mr. Herrington has a house 33x200 in which are 4,500 chrysanthemums, each trained to a single bloom.

John Reimels, at Woodhaven, has a house of White Cloud carnations the

appearance of which tends to disprove the theory held by some growers that this variety is not a satisfactory early bloomer. The benches are well whitened with bloom equal in size and finish and superior in color and stem to the average Flora Hill, and the price they bring on the market is at the top notch. Mr. Reimels has a good showing of all the popular varieties of to-day, among which Ethel Crocker stands, as elsewhere, pre-eminent in every feature, and also the invariable bench of seedlings with possible "trotters" showing here and there in the bunch.

A. M. Westwood has opened a spacious store at 489 Columbus avenue, between West Eighty-third and Eighty-fourth streets. Mr. Westwood, who came here from Toronto a few years ago, has been located on Columbus avenue for the past three years, where, in a modest way, he prospered and now looks for an equal success in this larger venture. The store, which is 100 feet in depth, is effectively but not extravagantly decorated and furnished and the undoubted tendency of the period is evidenced in the ample provision made for handling and displaying decorative plants and filling plant dishes and ferneries.

The auction sale by Sander & Co., at Cleary's on Tuesday, October 16, is the subject of much talk about town and the interest displayed indicates that there will be a big demand for the orchids, of which over 2,000 plants will be offered. Paintings of the different varieties will be shown at the time of sale so that their value commercially may be understood by purchasers unfamiliar with their character.

C. W. Ward is engineering an arrangement whereby 30,000 carnations are to be contributed by the florist trade to be worn as boutonnières by the participants in the dry goods trade section of the big McKinley and Roosevelt parade on November 3.

W. H. Gunther, who for many years has confined his business chiefly to the sale of violets, is now handling roses and orchids in quantity, as well, and has facilities for accommodating a full line of all cut flowers during the coming season.

Thomas Gordon, recently in the retail cut flower business down town, has filed a petition in bankruptcy, scheduling liabilities of \$2,523.37; his assets are \$161.05, of which \$111.05 is due on book accounts.

Harry May was taken seriously ill at Painesville, Ohio, two weeks since and his father, John N. May, went west and brought him home to Summit, N. J., where he is now, happily, convalescing.

Alex. McConnell has been in the market for a large number of evergreens to be used in planting an extensive Italian Topiary garden which he is laying out for George Gould at Lakewood, N. J.

Theodore Lang reports business as good on Sixth avenue, where the plant trade, this season, is running far ahead of all past records in his experience.

W. A. Manda reports the demand for hardy herbaceous plants this season as unprecedented. The same is true of fancy conifers.

The number of carnation flowers received at the New York Cut Flower Company's place on Monday last was 14,500.

Frank Millang reports business at his stand in the Thirty-fourth street market as exceedingly good in all lines.

Henri Beaulieu is greatly interested in dahlias and has some promising seedlings at Woodhaven.

In John H. Taylor's mammoth carnation house, recently erected, 7,500 plants are accommodated.

Frank McMahon returned from his European trip on Saturday, October 6.

E. C. Horan is receiving a lot of fine gardenias daily.

Visitors: W. H. Long, Boston; E. M. Wood, Natick; E. O'Brien, Cambridge, Mass.; Benj. Dorrance, Wilkesbarre, Pa., and Geo. Field, Washington, D. C.

Chicago.

BUSINESS BEGINS TO SHOW SOME LIFE.—PRINCIPAL DEMAND STILL FROM OUTSIDE SOURCES AND FOR FINE FLOWERS.—CHRYSANTHEMUM PROSPECTS.—CLUB MEETS AND HORTICULTURAL SOCIETY PLANS FLOWER SHOW.—A FAMOUS CATTLEYA.—A NEW DRACENA.—RINGIER OUT AGAIN.—JOTTINGS HERE AND THERE.

Things have been fairly satisfactory this week, although the period began with a blue Monday, the dulllest on record for some time. Shipping trade has been the reliance all the week, the local buyers not yet having awakened to the fact that the time has arrived for doing business. Qualities are improving in the rose and carnation cut and production is falling off a bit because of cooler weather, so that sales are at a little better prices, but the seconds and still lower grades do not yet bring enough so that the grower will go into ecstasies over his returns. Shipping stock has not stiffened as much as might be expected from the fact that demand is fair and only about ten per cent of the receipts are good enough to be acceptable at the end of a long journey; the result has been to make a market for a few flowers which otherwise would go as seconds. Violets are in abundant supply and are of pretty fair quality, but the sales are not what they should be. Chrysanthemums are from ten to fourteen days late and the supply is decidedly under the demand. One wholesaler was able to get off an order of 500 blooms to Buffalo one day this week, and all the houses are getting in a few each day, but the growers say it will be well into next week before there is anything like a heavy cut. The total number of blooms in course of development for this market this year promises to be about equal to last year's cut, although Weber Brothers, who had 40,000 last season, are confining themselves to other lines at present.

There was a large attendance at the meeting of the Chicago Florists' Club October 5. Andrew McAdams read a paper on the best ferns for pans and baskets, which was very favorably commented upon. August Jurgens gave an interesting talk on the best and most profitable varieties of tulips and hyacinths for commercial purposes, also their method of growth. J. S. Wilson, who was to discuss the Boston fern, was unavoidably absent and this subject was deferred until a later meeting. The Galveston relief committee reported subscriptions amounting to \$147.74. The following candidates were elected to membership: H. N. Bruns, Otto Wittbold, Louis Wittbold, August Jurgens and John Hoeft. Messrs. Hauswirth, Smyth and Samuelson were appointed as a committee to confer with the Horticultural Society of Chicago for the privilege of the cut flower booth at the chrysanthemum show, the proceeds to go to the suffering florists of Galveston. It was suggested that all growers who feel interested in this good work lend a helping hand by donating stock. The matter of the

annual banquet was brought before the club and W. N. Rudd was appointed as a committee of one to perfect the arrangements.

The Horticultural Society of Chicago met at the Sherman House on Tuesday afternoon and, aside from electing a number of new members, passed upon several matters of detail connected with the chrysanthemum show to be held at the Auditorium theater November 6 to 10, under the superintendency of N. P. Miller. The judges are to be Patrick O'Mara, President of the S. A. F.; John N. May, of Summit, N. J., and Emil Buettner, of Park Ridge. It was virtually decided to permit the Chicago Florists' Club to conduct the flower booth for the Galveston sufferers. The society voted to increase its executive committee to eight instead of six and make five constitute a quorum of the committee.

Nathan Smith & Son, of Adrian, have been supplying *Cattleya labiata* to some Chicago houses, and on Wednesday sent J. B. Deamud a spray with six remarkably fine blooms from one sheath. Smith & Son write that many of their plants are producing four and five flowers on one spray, but that this is the only one of six of which they have knowledge. The wholesalers and retailers who saw it were unanimous in pronouncing it unusually beautiful but said it was not so serviceable for cut flower work as if it were three sprays of two blooms each.

Wm. Stoeffers, who has worked for two or three local florists, disappeared about a month ago and is supposed to have had \$2,000 in cash at the time. He came from Germany and recently inherited \$4,000 from his father. The balance is still in the hands of the German consul here. Stoeffers was to have been married last Tuesday and the bride-to-be has fears foul play. A lodge to which he belongs has offered \$50 reward for information as to his whereabouts.

The George Wittbold Company has a plant of *Dracena Cantleyi* which they obtained from Sander & Co., St. Albans, England, some months ago, and of which they have formed so high an opinion as a decorative plant that they propose to work up a stock and offer it to the trade.

Arnold Ringier is again at his desk at W. W. Barnard & Co.'s after a severe tussle with rheumatism. He was discharged from Alexian Brothers' hospital a week ago, after two weeks' treatment there, but is yet far from well.

Brant & Noe are reported to have opened a wholesale cut flower store in Minneapolis, a plan which they have had in mind for some time. They already had a large trade in the northwest.

The Chicago Carnation Company has completed its big iron greenhouse and has it planted. They have taken on some big shipments for the season.

Weiland & Risch have their range of new glass in good working form and are cutting some nice stock. They say trade is good.

Adolph H. Poehlmann is about ready for business at his new wholesale cut flower store at 49 Wabash avenue.

Since the Florists' Club's meeting last week the Galveston subscription list has reached \$200.

C. L. Washburn has been at St. Louis and Kansas City this week.

Visitors: N. J. Burt, Burlington, Ia.; C. E. Finley, Joliet, Ill.; W. L. Wirt, Parsons, Kas.; Herbert Heller, New Castle, Ind.; George Souster, Elgin, Ill.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

SOME growers recommend poor soil
as the best for pompon dahlias.

WELL glazed houses serve to save coal
and give improved quality of stock.

THE growers of decorative plants were
very generally never more busy than at
present.

THERE seem to be inexhaustible sup-
plies of the Boston fern and an insatiable
demand for it.

It is said the republican party will
spend \$20,000 for blooms of Roosevelt
carnations, to be used in parades, etc.

THE keeping quality of a cut flower is
one of its most important attributes and
yet many growers fail to give it atten-
tion.

It is reported that the condition of the
hardy cut fern crop is such as to cause
fears as to the keeping qualities of the
quantities in cold storage.

MEN old in the trade report this a
remarkable autumn in that throughout
the United States frosts have held off to
an unprecedentedly late date.

SMOKE consumption will soon be a
feature of up-to-date boiler rooms, the
greater cleanliness of glass being alone
sufficient to earn interest on the invest-
ment.

Pressure From Water Tank.

ED. AM. FLORIST:—Will a tank of the
capacity of 10,000 to 12,000 gallons, six
feet or eight deep, the bottom of the tank
eighteen feet above the greenhouse floor,
give a pressure of fifty pounds to the
inch? If not, how high must it be to get
that pressure? T. E. B.

The capacity of the tank has nothing
to do with the pressure, which is deter-
mined by the weight of a column of
water one inch square. As the weight of
a cubic foot of water is 1,000 ounces,
or 62.5 pounds, it will be seen that an
elevation of 144 feet will be required to
give 62.5 pounds pressure, or approxi-
mately 115 feet will be required for a
pressure of fifty pounds. When a tank
that is elevated eighteen feet contains
four feet of water there will be but about
nine pounds pressure, and in determining
the pressure at the end of a hose for pur-
poses of syringing, allowance must still
be made for friction in the pipe and hose.
Ordinarily the pressure at the nozzle will
not be more than one-third the vertical
distance between the level of the nozzle
and the surface of the water in the tank.
L. R. T.

Greenhouse Building.

Farmington, N. H.—J. A. Fletcher, one
house.

Nashua, N. H.—Woodlawn Cemetery,
propagating house.

Van Wert, O.—C. W. McConahy, house
20x60.

Reading, Mass.—Ingram & Lynes,
violet house 20x108.

Cotuit, Mass.—E. L. Hoxie, house
12x65.

Leominster, Mass.—Peter Tatro, house
36x150.

Truxton, N. Y.—M. H. Crosby, house
for ginseng.

New Bedford, Mass.—August Jahn,
two carnation houses.

Swansea, Mass.—R. L. Buffinton, house
48x320.

Philadelphia, Pa.—S. Brown, conserv-
atory.

Memorial Day Flowering Plants.

ED. AM. FLORIST:—Please give a list of
of the most desirable flowering plants
for sales around Memorial day. C.

Colorado.—Owing to the danger of
frosts here until the middle of June, the
Memorial day trade in plants has never
reached large proportions, the demand
being mostly for cut flowers. Pansies,
feverfew, marguerites, geraniums, hardy
pinks, hybrid roses and the California
pink, or mesembryanthemum, are all
suitable and are salable in limited quan-
tities. J. A. VALENTINE.

Returning Water to Boiler.

ED. AM. FLORIST:—I have three even-
span houses, north and south with boiler
house across the north end and on low
land. The boiler is on a level with the
houses; have city water connected direct
to boiler, allowing all return water to
escape outside. Is there any way to
return the water into the boiler? I use
low pressure steam, with 1½-inch flow
and 1-inch return pipes. A. L. J.

When the boiler is above the level of
the coils, a low-pressure trap may be
used to raise the return water, but a
better way will be to put in a receiving
tank and a pressure pump which will
automatically return the water. This,
however, will require a somewhat higher
pressure than is ordinarily desirable for
greenhouse heating. L. R. T.

Piping Greenhouses.

ED. AM. FLORIST:—I have two green-
houses 20x62, even-span east and west,
boiler shed being on the west end of
houses. The boiler has four 4-inch taps,
two flows and two returns. Would you
please give me information on piping the
houses? I want a night temperature of
50° to 55° and have either 2-inch or
1½ inch pipe with which to pipe the
buildings. D. E. S.

Indiana.
A 3-inch supply pipe will answer for
each house, and these may be used in the
houses as either overhead or under-bench
flow pipes, or each of them may be broken
up into three 2-inch or two 2½-inch pipes.
For 55° eleven or twelve 1½-inch pipes,
or nine or ten 2-inch will be required.
The returns may be either on the side
walls, or they may be arranged in hori-
zontal coils under the benches. If three
flow pipes are used it may be well to
have one of the coils under the middle
bench if there are three in the houses.
L. R. T.

Propagation of Ficus Elastica.

ED. AM. FLORIST:—How should rubber
plants, Ficus elastica, be grown from
cuttings. I have an old tree with fifty
or sixty fine branches, each of which have
from ten to twelve eyes, and I wish to
know the best way to obtain young
plants from them. H. C. H.

The best way to turn the fifty or sixty
branches of the one tree into plants
would be to cut a tongue or slit half
way through the different branches in
a longitudinal direction, placing a little
piece of wood to keep each incision open.
Then wrap with sphagnum moss one
inch deep and four inches in length,
immediately over and around the cut
branch. Keep this moss continually
moist and in a temperature of 68°. In
three weeks time, if the moss is kept wet,
the branches will have rooted nicely,
when they may be potted off. The prod-
uct should be every branch a young
ficus on a bush so treated. Keep moist
and moderately shaded for a few days
after potting. This is the scientific way
of producing good rubbers. E. G. HILL.

Capacity of Boiler.

ED. AM. FLORIST:—We are building one
house 22x125, twelve feet to ridge, and
one 14x125, eight feet to ridge. The
walls are four feet six inches high and
double boarded, with paper between. We
expect to eventually add another house
22x125. We can get a tubular return
boiler nine feet long, three feet four inches
in diameter, with thirty-eight 3-inch
tubes. Would it heat all three houses by
steam? J. F. F.

Philadelphia.

A boiler such as is described would rate
at least twenty-five horse-power, which
would be sufficient for 2500 square feet
of radiation. The use to which the
houses are to be put is not specified, but
if the average temperature is not more
than 60° they can be heated with 1800
feet of radiation. This leaves a fair mar-
gin, but it is none too much for so small
a boiler, unless there is a fireman on duty
at night, which is seldom the case.
L. R. T.

Pyrethrum "The Pearl."

ED. AM. FLORIST:—We have a nice lot
of Pyrethrum "The Pearl." Can they
be made to bloom indoors during the
winter and when shall we take cuttings
to have large plants well in bloom by
the middle of May, for Memorial day sales?
C.

Pyrethrum roseum, a variety of which
is known as "The Pearl," has not been
satisfactory as a winter bloomer in my
experience, but the plants may be forced
along gently in a cold house or frame to
be in flower for Memorial day, though
even with the best of care the stems may
not be as stiff and wiry as we see them
on outdoor plants. The clumps should
be lifted in fall and planted out in the
frame; give them plenty of time to get
established before frost sets in. Early in
March sash should be put over the frame;
give plenty of air during the day and if
the weather is not too severe, a little air
should be left on at night, also. The
plants will start into growth slowly at
first, still in ordinary seasons buds are
developed by the middle or end of April.
After that the plants can be potted up,
lifting carefully with ball, and they may be
placed in an airy violet or carnation
house, or else left in the frame to bloom

there. The best time to propagate pyrethrum is in spring, taking the young outdoor growth with a heel; treated like carnation cuttings, they root readily. Either potting off singly or planting in flats for a few weeks will put them in condition to go into the field and one summer's growth in fairly good soil will perhaps give you just such clumps as are wanted for your purpose. J. B. K.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Mondays of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. First Tuesday in January, at 8 p. m. W. K. Wood, Sec'y, W. Newton, Mass.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. First and third Friday of each month, at 8 p. m. C. W. McKellar, Sec'y, 45 Wabash avenue, Chicago.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Mondays of each month, at 8 p. m. A. H. Graham, Sec'y, 2349 Euclid avenue, Cleveland.

DES MOINES, IA.—Des Moines Florists' Club, at various florists' establishments. Last Monday in each month, at 8 p. m. J. T. D. Fulmer, Sec'y, 702 Walnut street, Des Moines.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Horticultural rooms, State House, Indianapolis. First Tuesday of each month, at 8 p. m. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House. Thursday evenings, at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-ninth street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg Cut Flower Co., 504 Liberty street. Second Tuesday of each month, at 8 p. m. T. P. Langhans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardener's Club of Rhode Island, 96 Westminster street, Providence. Second Thursday in each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 8 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 433 Spadina avenue.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge, Sec'y, 616 Washington street, Hoboken.

OBITUARY.

P. COSGROVE.

P. Cosgrove, the Madison, N. J., rose grower, who died suddenly two weeks ago, is said to have been the seventh member of his family who has died within the past year. The greenhouses will be conducted by his son.

JOHN A. JEFFREV.

From Torrington, Conn., comes word of the demise of John A. Jeffrey, who had for some months suffered with cancer of the liver. The end came on the morning of October 4. Mr. Jeffrey was a devout Christian and the sympathy of the community goes out to the widow and children.

JAMES HENRY.

James Henry, died October 6, in the Odd Fellows Home at Philadelphia. Mr. Henry was born in Ireland, November 23, 1823, and in 1850 came to this country, locating in Germantown, where he carried on the business of a florist until July, 1898, when he retired, owing to his being stricken with paralysis. One month later his wife died, and having no children or relatives he became a resident of the Home, on October 4 of that year. He was a member since 1871 of Philomathean Lodge, No. 10, I. O. O. F.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 73 E 26th St. Chicago.

SITUATION WANTED—By lady in store or greenhouse. First-class designer and decorator. Life experience. Address C. H. care Am. Florist.

SITUATION WANTED—By a German florist, 27 years old, 4 years in this country; well up in palms, ferns and cut flowers. R. R. 316 Miller Ave., Brooklyn, N. Y.

SITUATION WANTED—By young man with 3½ years experience in cut flower and plant trade. Please state wages when writing. Address E. L. A. care American Florist, Chicago.

SITUATION WANTED—By a sober, industrious man, middle aged, single, an assistant in greenhouse; capable of taking charge of a small place. H. S. W. care American Florist, Chicago.

SITUATION WANTED—By a young man in a private or commercial place; 8 years in last place; open for engagement Nov. 1st. Best of references. State wages with or without board. Address P. O. Box 953, Portsmouth, N. H.

SITUATION WANTED—By German, age 32. First-class florist and nurseryman; hard and soft wood propagator. Best of references. SCHNITZSPAHN, care Mr. Wagner, 514 Weila St., Chicago.

SITUATION WANTED—As working foreman by a good grower and propagator of general stock; can take full charge; lifetime experience. First-class references. Married; English. Please state wages, etc. Address B. H. care American Florist.

SITUATION WANTED—As head gardener either in public park, cemetery or private grounds, by one of many years' experience in Scotland and England as well as America; for several years past head gardener for the Michigan Central R. R. J. L. care American Florist.

WANTED—Florist, single man preferred. J. W. AND E. E. ARNOLD, Omaha, Neb.

WANTED—To know the price of second-hand glass, piping and boilers. Address No. 60, care American Florist.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS. B. BULL, Bakersfield, Cal.

WANTED—Assistant in roses and carnations. Address, stating experience, wages desired, etc. HUNTSMAN & CO., Cincinnati, O.

WANTED—At once, grower of roses, carnations and general stock. State wages and references. Mrs. H. SALVESON, Petersburg, Ill.

WANTED—A small, second-hand hot water boiler, sufficient to heat 1500 ft 1½-inch pipe. Address VAUGHAN'S SEED STORE, Box 688, Chicago.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B. care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Good, reliable, experienced grower of cut flowers and general stock. Good wages to right man. Address with references, A. F. BARRIE, Kansas City, Mo.

WANTED AT ONCE—Grower of roses, carnations, mums and general stock, and a good propagator. \$30.00 per month with board and room. References. C. HUMFELD, Clay Center, Kan.

WANTED—One or two men with small capital to run my greenhouse plant. No competition, good location, best shipping facilities. A fine opportunity. Mrs L. B. care American Florist.

WANTED—At once, young man of good character to take charge of small retail greenhouse. Must be willing to work. \$25 per month with board. Ad. J. W. MARSHALL, JR., 23d Av., Meridian, Miss.

WANTED—Good all-around florist; one who can care for roses, carnations and a general line of plants. A steady position and raise in wages to the right man. Address J. E. YEATS, Champaign, Ill.

WANTED—Young man with some experience to work in greenhouse, roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address R. care American Florist.

WANTED—First-class rose grower, American Benettes, to work under superintendent. Must come well recommended from good parties. The right man can get a first-class position. Address LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

WANTED—Experienced man in office to assist and pack flowers for wholesale market, to wait on customers and do design work. Only reliable, competent man wanted, with first-class references. Address DESIGNER, care Eastern Office Am. Florist, 67 Bromfield St., Boston, Mass.

FOR SALE—An exceptional offer, if taken soon, in good growing town of 18,000, doing a good business. Hot water heat, 4000 feet of glass. Best of reasons for selling. Price and terms right. B. A. B. care American Florist.

WANTED—Two Young Men, for Rose and Carnation Houses. F. BURKI, Bellevue, Pa.

WANTED--FLORIST.

To grow roses, carnations, violets, mums and general greenhouse stock. Send reference of last employer. Steady work for the right man. Address

MRS. P. F. WIGGINS,

1319 N. Michigan Ave. SAGINAW CITY, MICH.

FOREMAN WANTED.

For range of 175,000 square feet of glass. Must be a man of unquestioned ability and character, and an up-to-date grower, accustomed to handling men where Roses, Carnations, Mums, Palms, Ferns, Bulbous and Bedding Stock is grown. Permanent position for right party.

J. F. WILCOX, Council Bluffs, Iowa.

WANTED—Stock clerk and foreman for Wholesale Order Dept.; permanent position to right party; give age, experience, wages, reference and full particulars in reply. Address PLANT SEED CO., St. Louis, Mo.

FOR SALE.

50 H. P. Horizontal Steam Boiler, including all fittings. Cheap for cash.

J. A. BUDLONG,

37 & 39 Randolph St., CHICAGO, ILL.

FOR SALE. GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer Street. NEW YORK

Garnation Blooms
 SHIPPED DIRECT
 FROM GREENHOUSE TO ALL POINTS.
Chicago Carnation Co., JOLIET, ILL.

Southern Wild Smilax.

NEW CROP NOW READY.

Caldwell The Woodsman Co. Inc.

Also J. B. DEAMUD, CHICAGO, ILL.,
 L. J. KRESHOVER, New York, N. Y.,
 M. RICE & CO., Philadelphia, Pa.,
 THE VAIL SEED CO., Indianapolis, Ind

Wholesale Flower Markets

CINCINNATI, Oct. 11.

Roses, Beauty	6 00@25.00
" Bride	3.00@ 4.00
" Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1.50
Chrysanthemums	12.50@15.00
Cosmos	.50
Asters	.50@ 1.00
Lilies—Album and Rubrum	4.00@ 5.00
Lily of the valley	4.00
Smilax	12.50
Adiantum	1.00
Common feros	.15
Asparagus	50.00

St. Louis, Oct. 11.

Roses, Bride, Bridemaide	2.00@ 4.00
" Beauty, 12 to 20 inch stems	8.00@12.50
" loog	15.00@20.00
" Perle	2.00@ 4.00
" Meteor	2.00@ 4.00
" Kaiserio	3.00@ 5.00
Carnations, common	.75@ 1.00
" choice	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Smilax	12.50
Adiantum	.60@ 1.00
Tuberose	3.00@ 4.00
Galax	per 1000 1.00

MILWAUKEE, Oct. 11.

Roses, Beauty, loog, per doz.	2.00@ 3.00
" med	1 00@ 1.50
" short	.50@ .75
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3 00@ 5.00
" Kaiserin	4.00@ 6.00
" Goldeo Gate	4.00@ 6.00
" Perle	3.00@ 4.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00
Adiantum	.75@ 1.00
Common ferus	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, Oct. 11.

Roses, Beauty, fancy	20.00@25.00
" extra	10.00@15.00
" No. 1	5.00@ 8.00
" culls	2.00@ 4.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
" Liberty	4.00@ 6.00
Carnations, ordinary	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Gladioli	2.00@ 3.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00
" Sprengerii	.25@ .35
Dagger ferus	per 1000, 2.00
Asters	.50@ 1.00
Chrysanthemums	18.00

DENVER, Oct. 10.

Roses, Beauty, select	12 50@20.00
" ordinary	3.00@ 7.00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Perle, Wootton	2.00@ 4.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	.75@ 1.00
" double	.50@ .75
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Ferns	.30

J. B. DEAMUD,

51 WABASH AVE.,

CHICAGO.

We are now receiving some very fine Roses and Carnations and shall be pleased to have your orders. Am. Beauties are first-class.

AM. BEAUTIES, ex. long	Per doz. \$3.00	VIOLETS, double	Per 100 \$1.00
" 24-inch	2.50	" single	.75
" 18 "	2.00	ADIANTUM	.50 to .75
" 12 "	1.50	ASPARAGUS	50.00
" short	.50 to 1.00	FANCY FERNS	\$1.50 per M. .20
BRIDES, MAIDS	Per 100 \$2.00 to \$4.00	IVY LEAVES	.50
METEORS, KAISERINS	3.00 to 5.00	CALDWELL'S	No. 1 contains 15 lbs., \$2.50
PERLES	2.00 to 3.00	No. 2 " 20 " 3.25	
CARNATIONS	1.00 to 1.50	No. 3 " 25 " 3.75	
VALLEY	4.00 to 5.00	No. 4 " 35 " 4.50	
SMILAX	12.50	No. 5 " 40 " 5.50	
		No. 6 " 50 " 6.50	

Prices subject to change without notice.
 P. AND D. AT COST.

CATTLEYS, \$6.00 per dozen.

BENTHEY & CO.

F. F. BENTHEY, Manager.

Wholesale and Commission....

FLORISTS,

CONSIGNMENTS SOLICITED.

41 Randolph St., CHICAGO.

ROSES.

Am. Beauties, long	per doz. \$2.00 to \$3.00
" medium	1.00 to 1.50
" short	.75 to 1.00
Brides and Maids	per 100, 3.00 to 4.00
Perles	3.00 to 4.00
Kaiserin	4.00 to 6.00
Meteors	3.00 to 5.00

CARNATIONS, fancy	per 100, \$1.50 to \$2.00
" good quality	1.00
VIOLETS, good single	1.00
ORCHIDS, Cattleyas	per doz. 6.00
VALLEY	per 100, 4.00 to 5.00
SMILAX	" 12.00 to 15.00
ASPARAGUS	per string, .50 to .75
ADIANTUM	per 100, .75 to 1.00
WOOD FERNS	per 1000, 1.50

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.

504

ALL FLOWERS IN SEASON.

PITTSBURG, PA.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.
 FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

Southern Wild Smilax.

New crop now ready for shipment. Write for my descriptive circular and price list. I guarantee that all goods shipped by me will be of best quality, hand picked, and of standard weight. I solicit your standing orders for the above goods. Reduced express rates to all points. Address all orders to, by wire via Georgiana,

J. G. BARROW, RED LEVEL, ALA.

Galax Leaves at Wholesale

ORDERS FILLED PROMPTLY. CORRESPONDENCE SOLICITED.

....J. G. LOVEN....

Montezuma, N. C.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.

LONG DISTANCE TELEPHONE CENTRAL 1977.

CHICAGO, ILL.

BEAUTIFIES			CARNATIONS		
Extra long stem.....	per dozen,	\$3 00	Standard sorts.....	per 100,	1.00— 1.50
Stems, 30 inches.....	"	2.50	Fancy sorts.....	"	2.00— 2.50
" 24 ".....	"	2.00	[Including such varieties as Dorothy, Ethel Crocker, G. H. Crane, The Marquis, Mrs. Lawson, Genevieve Lord, Mrs. Bradt, White Cloud, Jubilee, Triumph, America and Mary Wood.]		
" 20 ".....	"	1.50	DECORATIVE		
" 15 ".....	"	1.25	Asparagus.....	per string,	.35— .50
" 12 ".....	"	1.10	Galax, green.....	per 1000, \$1.00; per 100,	.15
" 8 ".....	"	.75	Ferns, per 1000, \$1.50.....	"	.20
ROSES			Leucothoe sprays.....	"	.75
Brides and Maids.....	per 100,	\$3.00— 5.00	Ivy Leaves.....	"	.50
Meteors and Kaiserin.....	"	4 00— 5.00	Adiantum.....	per dozen,	1.25
Perles.....	"	3 00— 4.00	Smilax.....	per doz.,	.25
Roses, good seconds.....	"	2.00	Wild Smilax, parlor brand.....	per case,	3.25
MISCELLANEOUS			" " medium.....	"	4.25
'Mums.....	per doz.,	1.50— 2.50	" " large.....	"	5 50
Alyssum.....	per 100,	.25			
Valley.....	"	4.00			
Violets.....	"	.50— 1.00			

We can at all times supply everything to be had in Chicago.

WEILAND - AND - RISCH

GROWERS and SHIPPERS,

59 WABASH AVE. CHICAGO.

American Beauty,	Per dozen,	ROSES	Per 100
36-in. stems.....	\$3.00	Liberty.....	\$3 00 to \$5.00
30 ".....	2.50	Golden Gate.....	3.00 to 5.00
24 ".....	2.00	Brides.....	2.00 to 4.00
20 ".....	1.50	Maids.....	2.00 to 4.00
15 ".....	1.25	Meteors.....	3.00 to 4.00
12 ".....	1.00	Kaiserin.....	4.00 to 6.00
short stems.....	.50c to .75	Perles.....	2.00 to 4.00
Carnations.....	per 100, \$1 to 1.50	Seconds.....	2.00
Violets.....	per 100, 1.00	Asparagus.....	per string, 50
Valley.....	per 100, \$4 to 5.00	Smilax.....	per doz., 1.50
Cattleyas.....	per doz., 6.00	Lilies.....	" 1.50
Wild Smilax, Parlor brand, per case, \$3.25; medium, \$4.25; large, \$5 50		Adiantum.....	per 100, .75

WE GROW ALL OUR OWN FLOWERS AND GUARANTEE THEIR FRESHNESS.

WHOLESALE FLORISTS

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.
Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties
We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

It is good business policy to mention the American Florist when you write to an advertiser.

J. A. BUDLONG

WHOLESALE GROWER OF

CUT FLOWERS

ROSES AND CARNATIONS
A SPECIALTY.

37-39 Randolph St., CHICAGO, ILL.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

73 and 78 Wabash Avenue,
CHICAGO.
Telephone Main 3208.

Wholesale Flower Markets

CHICAGO, Oct. 12.

Roses, Beauty, extra long stems	3.00@4.00
" " 30 inch	" 2.50
" " 24 "	" 2.00
" " 20 "	" 1.50
" " 15 "	" 1.25
" " 12 "	" 1.00
" " 8 "	" .75
" Bride, Bridesmaid.....	3.00@ 5.00
" Perle.....	2 00@ 4.00
" Meteor.....	3.00@ 5.00
" La France.....	2.00@ 4.00
" Golden Gate.....	6 00@ 8.00
" Liberty.....	4 00@ 6.00
" Kaiserin.....	4 00@ 6.00
Carnations.....	1.00@ 1.25
" fancy.....	1.50@ 2.00
Chrysanthemums, per doz.	1.50@3.00
Lily of the valley.....	4.00@ 5.00
Adiantum.....	" .75
Common ferns.....	per 1,000 1.50
Smilax.....	per dozen 1.25@ 1.50
Asparagus.....	per dozen 5.00@ 6.00
Ivy leaves, per 100.....	.50
Tuberoses.....	per dozen .50

Lynch

WHOLESALE FLORIST.

64 WABASH AVE
CHICAGO

S. W. Cor. Wabash Ave and Randolph St

Say: "Saw it in the FLORIST."

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2.00 per 100. Script Letters, \$4.00 per 100.

Also New England Agents for S. J. RUSSELL'S FAMOUS Doves. Acknowledged by all florists the best in use. Special prices for dozen lots. THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.



HARDY CUT FERNS

In 1000 lots, 75c per M. Discount on larger orders.

Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

Southern Wild Smilax

\$2.00 per 60 pound Case.
 \$1.25 per 30 pound Case.

Discount to wholesale dealers. Cases lined with a fine quality lining paper to protect from heat or dirt. Thoroughly packed with Extra Selected stock, and weighs 60 and 30 pounds, but are shipped at 50 and 25 pounds. Express Rates 25 per cent less than merchandise rate.

Telegraphic orders given prompt attention.

Address R. A. LEE, Evergreen, Ala.

TERMS: Cash with order, C. O. D. or check on receipt of goods.

Bronze Galax Leaves

\$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.

AMERICAN ROSE CO., Washington, D. C.

Wholesale Florists, **JOBBERS IN**
 Always on Hand: **FLORISTS'**
 CARNATIONS, BRIDESMAIDS, BRIDES.

SUPPLIES
FLORISTS' VASES.
 Horticultural Auctioneers.
 84 HAWLEY STREET, BOSTON.

Geo. A. Sutherland, Boston Flowers.

WHOLESALE DEPOT FOR

All Florists' Supplies,

Price lists mailed. 67 BROMFIELD ST., BOSTON, MASS.

A good adv. in a good paper will bring good returns.

Wholesale Flower Markets

PHILADELPHIA, Oct. 11.

Roses, Tea.....	2.00@	3.00
" " extra.....	4.00@	6.00
" Beauty, extra.....	20.00@	30.00
" " firsts.....	10.00@	15.00
Carnations.....	75@	1.50
" fancy.....	.....	.....
Lily of the valley.....	3.00@	4.00
Tuberose.....	.....	.....
Asters.....	.....	.....
Violets, single.....	25@	.50
" double.....	50@	.75
Asparagus.....	35.00@	50.00
Smilax.....	15.00@	20.00
Adiantum.....	75@	1.00

Boston, Oct. 10.

Roses, Beauty, extra.....	15.00@	25.00
" " medium.....	6.00@	12.00
" " culls.....	2.00@	5.00
" Bride, Bridesmaid, Meteor.....	1.00@	3.00
" " extra.....	4.00@	6.00
" Kaiserin, Carnot.....	4.00@	8.00
Carnations.....	1.00@	2.00
Lily of the valley.....	3.00@	4.00
Asters.....	1.00@	1.00
Violets.....	.50@	.75
Cosmos.....	.50@	1.00
Cattleyas.....	20.00@	25.00
Adiantum.....	.50@	1.00
Smilax.....	8.00@	12.00
Asparagus.....	50.00	.....
Hardy ferns.....	.....	.20

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
ST. LOUIS, MO.

A complete line of Wire Designs.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO...
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,

Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance Phone 1-41-28 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG... Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,

NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited. Special Attention Given to Shipping Orders.

ROSE GROWERS SEEKING A GOOD MARKET

CAN FIND IT BY CONSIGNING TO

A. H. LANGJAHR,

19 Boerum Place, BROOKLYN N. Y.

OVER 150 FLOWER STORES IN BROOKLYN. MONEY SURE.

TEN YEARS ESTABLISHED.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.
SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.
TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,
Wholesale Commission Florist,
57 W. 28th. St., NEW YORK CITY.
Telephone 2200 Madison Square.
Special attention given to Shipping Orders.
CONSIGNMENTS SOLICITED.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR
Violets Carnations.
GROWERS and BUYERS make a note of this. It
will be to your advantage.
WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 551 Madison Square.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cut Flower Exchange.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....
DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.
JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.
Rose, Violet and Carnation Growers.
Consign to
M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

New York, Oct. 10.

Roses, Beauty, select.....	15.00@25.00
" " medium.....	6.00@10.00
" " culls.....	2.00@ 4.00
" Bridesmaid, Bride, Meteor.....	.50@ 2.00
" " select.....	3.00@ 6.00
Carnations.....	.75@ 2.00
Lily of the valley.....	2.00@ 4.00
Cattleyas.....	15.00@25.00
Asters.....	1.00@ 2.00
Smilax.....	8.00@10.00
Asparagus.....	25.00@35.00
" Sprengerii, per doz. bun.....	.75@1.00
Adiantum.....	.50@ .75
Tuberose, spikes.....	1.00@ 1.50
Violets.....	.50@ .75
Gardenias.....	10.00@12.00

BUFFALO, Oct. 11.

Roses, Beauty.....	10.00@25.00
" " Bride, Bridesmaid, Meteor.....	3.00@ 7.00
" " Kaiserin.....	6.00@ 7.00
Carnations.....	1.00@ 1.50
Lily of the valley.....	3.00@ 4.00
Lotus blooms.....	12 1/2¢ each
G.adioli.....	2.00@ 3.00
Asters.....	.50@ 1.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy ferns, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.
Please mention the American Florist when writing.

The New York Cut Flower Co.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
... Wholesale...
Commission Dealer in **Violets**
50 W. 29th St., NEW YORK.
Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.
...Wholesale Florists,
111 West 30th Street, NEW YORK.
READY FOR VIOLETS 'Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street,
Telephone 1433 Madison Square. NEW YORK.
Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates.
M. A. HART,
44 W. 29th St., NEW YORK CITY.

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE

At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities. * * * *
Telephone 197 Madison Square.

EDW. C. HORAN,

47 WEST 28TH ST.,
Tel. 421
Madison Square,NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

THE impression gains ground that the coming season will see better prices on all garden seeds.

LONDON seed trade reports indicate that the price of blue peas has been materially advanced.

POTATOES are reported to be rotting in many sections, probably owing to rains about September 1.

VISITED St. PAUL: J. B. Comont, representing Carter, Dunnett & Beale, and S. B. Dicks, representing Cooper, Taber & Co., London, England.

ONION sets are drying out well under recent favorable weather. The stocks vary so much in size and quality "preparing" will be quite a feature in marketing them.

MANY losses have been experienced this fall by importers, through the arrival of Japanese longiflorum lily bulbs in rotten condition. Lots per steamers Empress of China and Tartar recently delivered at New York were in very bad shape, one large importing house losing about 500 cases out of 900. Embarrassments and uncertainty in filling orders for growers naturally results from this unfortunate state of affairs. Some varieties of tulips, notably Proserpine and other popular forcing sorts are in short supply but, generally speaking, the Dutch bulb market has been unprecedentedly slow this fall, so far. This is probably attributable mainly to the late, warm season, which tempts people to leave their garden flowers undisturbed and to defer bulb planting until Jack Frost does his work. There are indications, however, of an over-supply of Dutch hyacinths.

EAST BRIDGEWATER, MASS.—The dabella farm of Lothrop & Higgins has been at its best in late September and has attracted many visitors.

VAN WERT, O.—C. W. McConahy has gone into business at 328 George street. He has one house 12x40 and another 20x60 under construction.

SOUTH PORTLAND, ME.—Niles Nelson is cutting some good stock, including early violets and chrysanthemums as well as roses and carnations.

SKOWHEGAN, ME.—F. G. Danforth, of Norridgewock, has purchased what is known as the Whittier property here and will erect an extensive range of greenhouses.

PATCHOGUE, N. Y.—Frank Niquet has gone to Warren-on-the-Hudson to take a position on the place of James Speyer. His business has been leased by Eugene Blanjan.

POUGHKEEPSIE, N. Y.—At the quarterly meeting of the Dutchess County Horticultural Society, held on October 2, it was decided that the annual exhibition should take place on November 6, 7 and 8. W. G. Saltford was appointed manager; W. Sloan and John Galvin, press committee; S. Goldring and J. H. Troy, judges of cut flowers; Wm. Turner and G. H. Hale, judges on plants. Donations and premiums this year will exceed those of any former year by \$50.

SEVERAL very large shipments of JAPAN LONGIFLORUM have arrived in very bad condition—more than half of the bulbs having been lost by heating. This large loss will make a scarcity in this article, and probably many dealers will be unable to fill their orders in full. If you do not succeed in getting your full supplies, we have still to offer a fine lot of

BERMUDA-GROWN LONGIFLORUM

These Bulbs are in splendid shape. We can supply them at **\$14 PER CASE**; 350 Bulbs to the case. We also have a fine stock of

LILIUM HARRISII

7-9 inch size is generally scarce, but we have a very fine stock of this size still on hand—a lot of bulbs that were left in the ground and dug late, and in consequence they are in grand shape. Bulbs are plump, bright and clean, and as fine a lot of Harrisii as anyone would want to handle. We can supply them, as long as unsold, as follows:
5-7's, 400 bulbs to the case, only \$16 per case. 7-9's, 200 bulbs to the case, only \$18 per case.

Order at once before we are sold out.

We also offer a very fine stock of

WHITE ROMAN HYACINTHS

Extra quality bulbs, 12-15 ctm., in case lots, 2100 bulbs to the case, \$16.00 per 1000.

Paper White Narcissus Grandiflora

Case lots, about 1300 bulbs to the case, \$7.50 per 1000.

5% discount from above-named prices when cash is remitted with order.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

...SPECIAL BULB OFFER...

FRENCH WHITE ROMAN HYACINTHS—12-15 cent. at \$1.75 per 100; \$16.00 per 1000.
DOUBLE VON SION NARCISSUS—Large Double Nosed Bulbs at \$1.75 per 100; \$16.50 per 1000.
PAPER WHITE GRAND NARCISSUS—75 cts. per 100; \$6.75 per 1000.
FREESIA REFRACTA ALBA—50 cts. per 100; \$4.00 per 1000.
CHINESE SACRED LILIES—Per basket (30 bulbs), \$1.50; per mat (120 bulbs), \$5.50.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market Street, PHILADELPHIA, PA.

BULBS! BULBS! BULBS! White Romans, 12-15, at \$1.60 per 100. Double Nosed Von Sion (large) \$2.00 per 100. Paper Whites, large size, @ \$1.00 per 100. Harrisii, 5-7, at \$5.00 per 100; 7-9 at \$10.00. Liliun Longiflorum, large flowering, 7-9, at \$7.00 per 100. Special prices on Dutch Hyacinths and Tulips.

THE VAIL SEED CO., Indianapolis, Ind.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

We have a surplus of WHITE

CALLA BULBS

of about 1-in. diameter, all bloomers, \$4.00 per 100. A bargain. Sample free.

VAUGHAN'S SEED STORE,

84 Randolph St., ...CHICAGO.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. **CLOVERS**—Red, Sable, Alfalfa, Crimson, White, Alsike, Japan, etc. **WOOD, STUBBS & CO.'S "EVERGREEN"** and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato. Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

Always mention the.....

American Florist

when writing advertisers.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY
ROMAN HYACINTHS
DUTCH HYACINTHS
NARCISSUS TULIPS
Etc., Etc., Etc.

Wholesale Bulb Catalogue Mailed on Application.

J. M. THORBURN & CO.

(Cott of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Holly. Finest Quality. Any Quantity.

Write us for prices delivered at your door.
CALDWELL The WOODSMAN CO Inc. Evergreen, Ala.

BOSTON FERN ...A...
SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

SEASON 1900-1901.

Your Wants are Our Wants.

WE CAN FILL YOUR ORDER, NO MATTER WHAT IT IS. WE HAVE FINE

Bridesmaids, Meteors, Perles, Carnations, Beauties, Violets, Valley, Brides,

The Best; All Varieties in Season.

ALL FLOWERS AT CHICAGO MARKET RATES.

Cut Flower Price List



Per 100

Beauties, long.....	\$20.00 to \$25 00
“ medium	10 00 to 15 00
“ short.....	6.00 to 8 00
Brides, Maids.....	2.00 to 4.00
Perles and Meteors	2.00 to 4.00
Carnations.....	1.00 to 1 50
Violets.....	.50 to .75
Valley.....	4 00
Adiantum.....	.50 to .75
Common Ferns	per 1000, 2.00
Smilax.....	per doz, \$1.25 to 1.50
Asparagus.....	“ 6 00
Leucothoe Sprays.....	.75 1.00
Galax, Green.....	\$1.00 per 1000

One trial order will convince you that our prices and the quality of our goods are right. : : : :

WRITE FOR OUR PRICES ON WIRE WORK. YOU CAN'T DUPLICATE THEM ANYWHERE.

KENNICOTT BROS. CO.,

Wholesale Commission Florists

Store open till 6:30 p. m. week days, till noon Sundays and holidays. ❀

42 and 44 East Randolph St.,
...CHICAGO...

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
THEO. J. SMITH Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

J. E. SMITH, of Ridley Park, Pa., is about to retire from the nursery business.

Missouri apples have thus far taken eight first prizes at the Paris Exposition.

S. D. WILLARD, of Geneva, N. Y., has been tendered appointment as director of the pomological exhibitions at the Pan-American Exposition.

THADDEUS N. YATES has succeeded to the business of his brother, the late David G. Yates, the Mount Airy Nurseries, established 1869, at Philadelphia.

Missouri apples will be represented by counties at the Pan-American Exposition, a space of 1800 square feet having been allotted, to properly fill which will require about 200 barrels of apples. Storage will be provided free by the Armour Packing Co. at Kansas City.

As the result of the efforts of the Eastern Nurserymen's Association the Canadian officials have extended the period of admission of nursery stock from the United States, under the same regulations as prevailed last spring, from October 15 to December 15. The original intention was to withdraw the privilege November 15.

Springfield, O.

The National League of Improvement Associations was organized here October 10 by a convention of prominent ladies and gentlemen from all parts of the country. Prof. Charles Zueblin, of the University of Chicago, was chairman and D. M. Rowe, of Dayton, secretary. The constitution and by-laws adopted provide that all special commercial or religious organizations having as an object the fostering of outdoor art shall be entitled to membership at a cost of \$2 for every 100 or fraction; individual members \$1.

The league will organize village improvement associations everywhere. Springfield will be headquarters, where the disseminating of plans of work will be made. These officers were elected: President, John L. Zimmerman, Springfield; first vice-president, Edwin L. Shuey, Dayton; second vice-president, Mrs. Conde Hamlin, St. Paul, Minn.; recording secretary, E. G. Rouzahn, Dayton; corresponding secretary, D. J. Thomas, Springfield; treasurer, Frank Chapin Bray, Cleveland; organizer, Miss Jessie M. Good, Springfield.

Regulations Regarding San Jose Scale.

The United States Department of Agriculture has collected and published as Circular No. 41, Second Series, the regulations of those foreign countries which have, through fear of the introduction of San Jose Scale, adopted measures prohibiting the importation of American plants and fruits or requiring inspection before admission.

Austro-Hungary prohibits the importation of American plants or fruits or wrappings which have contained same which show presence of the scale. The ports of admission are limited to three.

Belgium permits the importation of American plants and fruits through certain ports if the shipments bear certificates from competent authorities;

otherwise the shipments are held for inspection and destroyed if found infected by scale.

British Columbia requires inspection at wharf or station by her own officials. Infested shipments are ordered disinfected or destroyed.

Canada prohibits importations of nursery stock from the United States, Australia, Japan and Hawaii, requiring the destruction of stock arriving. Greenhouse plants, herbaceous plants, conifers, bulbs and tubers are exempt. Certain periods are named during which prohibited stock may be imported through certain ports after fumigation.

The Cape of Good Hope prohibits the importation of all plants and fruits from the United States.

France prohibits the importation of living plants from the United States and admits fruits only after inspection.

Germany prohibits the importation of plants, also fruits when inspection shows presence of scale. Dried or evaporated fruits are now admitted at certain ports without inspection.

The Netherlands prohibit the importation of American plants unless accompanied by certificate of inspection at port of shipment.

New Zealand admits live plants only at Dunedin, Christ Church, Wellington and Auckland, when accompanied by certificate or after fumigation.

Switzerland prohibits the importation of plants.

Turkey has interdicted the importation of trees, plants and fruit from the United States.

St. Paul.

WEATHER BAD AND TRADE GOOD.—OPENING OF THE SEASON VERY AUSPICIOUS.—STATE OF SUPPLY.—WHAT THE GROWERS ARE PROVIDING.—CHRYSANTHEMUMS LATE.—NOTES.

The weather has been very bad of late but sales have been very good; in fact the volume for September was larger than ever before for the same month. Roses and carnations constitute the main stock in trade in the line of cut flowers. A few late asters are seen and a few early chrysanthemums are coming in, but neither have any influence on the state of the market. Cosmos is seen occasionally and assists in making a store bright and attractive, but it sells slowly. The first crop of early planted roses is on and flowers, as a rule, are of good quality. Golden Gate is coming in quite plentifully. The flowers are large and last a long time, but the variety is not a general favorite with the elite trade. Carnations are coming in quite freely but the supply is inadequate to the demand. G. H. Crane has been planted extensively, quite superseding Jubilee and other red varieties. The plantings of Mrs. Bradt have been larger than heretofore, also of Chicago, its fine red sport. Chrysanthemums appear to be later than usual and but few good blooms will be had before October 25. There are frequent calls for violets but none are yet in the market. Decorative plants are in good demand. Nice specimens of the Boston fern sell on sight. People seem to realize the value of this beautiful variety as never before.

John Nilsen has sold his greenhouses on West Seventh street to Hangen & Swanson and is now working for August S. Swanson. E. F. Lemke is again managing the houses on Hague avenue which he rented to Hangen & Swanson.

Carl Johnson, salesman for several

years in L. L. May & Company's city store, has accepted a similar position with Olsen's department store, Minneapolis. FELIX.

LYNCHBURG, VA.—Harry R. Brown has gone into business with 5,000 feet of glass. Mr. Brown had formerly been with his father, H. W. Brown, at Danville.

SPRINGFIELD, ILL.—The prizes in the floricultural classes at the late state fair were pretty evenly divided among the three firms which exhibited, namely, the South Side Floral Company, Brown & Canfield and Louis Unverzagt. It rained every day of the fair and it is estimated that the deficit will amount to about \$17,000. Trade is fairly good, but the florists look for busy times the coming season.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns; Otaksa, Red Branched, Thos. Hogg, PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc. Our representative, MR. J. AUSTIN SHAW, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

Hedge Plants

Evergreen { HEMLOCK SPRUCE
NORWAY SPRUCE
AMERICAN ARBORVITAE
Deciduous { CALIFORNIA PRIVET
OSAGE ORANGE
BERBERIS THUNBERGII
ALTHEAS, Etc.

Various Sizes at Popular Prices.

THE WM. H. MOGN CO., Morrisville, Pa....

NURSERIES { 30 miles from Philadelphia,
60 miles from New York.
PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.) PA.

CLEMATIS, large flowering, in 20 distinct kinds, 2 yr.; \$2 per doz., \$16 per 100. PAEONIES, in 10 distinct Florists' kinds, from pure white to crimson in all shades, indispensable in their season; \$1.50 per doz., \$10 per 100. Josselyn or Red Jacket GOOSEBERRY, a distinct American variety, a very strong grower, never mildews, a profuse bearer and a sight to see loaded with great crimson berries; strong 2 year plants, \$1.25 per doz., \$7 per 100. 1 yr., 50c per doz., \$4 per 100 F. A. BA. LER, Bloomington, Ill.

SHRUBBERY...

300 Hydrangea P. G.....2½ to 3 feet, @ 8c
50 Golden Elder.....3½ to 4 feet, @ 10c
50 Golden Mock Orange, 2½ to 3 feet, @ 8c
100 Spiraea A. Waterer...2½ to 3 feet, @ 8c
50 Althea Double Red...3 to 4 feet, @ 8c
50 Japan Snowball.....2½ to 3 feet, @ 8c
50 Common ".....3 to 4 feet, @ 10c
All fine young, bushy stock.

W. P. BRINTON, Chriatiana, Pa.

Grape Vines

Descriptive and Price List free. Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true. T. S. HUBBARD CO., FREDONIA, N. Y.

SOUTH PARK FLORAL CO.

.....NEW CASTLE, INDIANA.....

IF YOU COMMENCE NOW to buy our Roses for your winter's supply, you can depend on having good stock the entire season. Regular customers will have the preference during the time that good Roses are always scarce. Roses grown in a place like ours are best for your trade.

Modern equipment, adapted especially to Rose culture; natural gas fuel, growers who do not give a thought to any kind of flowers but Roses, and above all, a place the size of ours, 100,000 feet of glass, all planted in Roses; this places us in a better position to always supply you with good stock than any other place in the West. A visit here would convince you.

Place your regular shipping orders with E. C. Amling, Chicago. He sells nearly our entire out-put.

SOUTH PARK FLORAL CO.

-- CARNATIONS CHEAP FROM THE FIELD --

	Per 100	Per 1000
2000 General Maceo, selected, first size	\$5.00	\$45.00
2000 General Gomez, selected, first size	5 00	45 00
3000 America, selected, first size, fine	5 00	45.00
400 Avondale, new, fine, first size	8.00	
400 Mrs. Bertram Lippincott, extra fine plants.....	8.00	
700 Mrs. Frances Joost, selected, first size	6.00	
2000 Mrs. Frances Joost, second size.....	4.00	\$35 00
700 Melba, very large plants	6 00	
1000 Melba, second size	3.00	25.00

ROBT. CRAIG & SON, Market and 49th Streets, PHILADELPHIA, PA.

GRAND OFFER TO CLOSE.

Fine Plants.
None Better.

We are compelled to move them. We must have room. A grand benefit to anyone desiring good Rose Plants.

Per 100		Per 1000	Per 100		Per 100		
1000 Bridesmaids.....	3 1/2-in. pots, \$1.50	\$12 00	200 Golden Gate.....	2 1/2-in. pots, \$1 50	Asparagus Sprengerii	6-in. pots, \$25.00	
500 "	"	9 00	50 Lady Dorothea.....	2 1/4 "	"	3 "	8.00
3500 Brides	3 "	1 50	700 Maid of Honor	4 "	"	2 "	3.00
1200 "	2 "	1.00	700 "	2 1/2 "	"	7 and 8-in. pots, \$1.50 to \$2.00	each
3000 Meteors.....	3 "	1.50	Latania Borbonica.....	3-in. pots, \$15 00	Boston Perus, 6-in. pans	60c "	
500 Mme. Chatenay	4 "	1.50	Areca Lutescens	4 "	"	7 "	75c "
100 Mme. Cusin	2 "	1.00	Coccos Weddeliaua	3 "	"	8 "	\$1.00 to \$1.50 "
125 "	4 "	1.50					

Plants are vigorous and unusually fine, and will be carefully packed. We guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

CARNATIONS..

Field Grown Plants.

F. DORNER & SONS CO.,
LA FAYETTE, IND.

Send for Price List.

X-Mas Specialties.

- Baby Primrose,
2 1/4-inch, \$2.00 per 100; 3 1/2-inch, \$4.00 per 100.
- Browallia Gigantea.
- 2 1/4-in., \$3 per 100; rooted cuttings, \$1.50 per 100
- Begonia Gloire de Lorraine,
2 1/4-in., \$1.50 per dozen; 3-in., \$2.50 per dozen.

Plants are **AI**, and your money back if not satisfactory.
CASH, PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATION PLANTS.

- WHITE CLOUD.....\$4.00 per 100
- MRS. BRADT..... 5.00 "
- FLORA HILL and EVANSTON..... 4.00 "
- GOLD NUGGET..... 4.00 "
- SCOTT, PORTIA and VICTOR..... 3.00 "

ROSE PLANTS.

- METEORS, 3-inch pots.....\$1.50 per 100
- BRIDE and BRIDESMAID, 3-in. pots 2.00 "

Special price to close out. Strictly first-class and in fine shape.

A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At St. Louis.

The St. Louis Florists' Bowling Club rolled four games Monday night, October 8, when the visitors were C. W. Scott, of Chicago, and Theo. Miller, of this city. The latter will become a member of the club on next Monday. The scores were as follows:

Player	1st	2d	3d	4th	Av
C. A. Kuehn.....	221	143	159	193	179
F. C. Weber.....	156	188	159	123	157
J. J. Beneke.....	157	117	144		140
Wm. Adels.....	135	135	161	138	135
C. C. Sanders.....	101	175	122		132
John Young.....	119	130	104	135	122
C. W. Scott.....	122	81	93		100
Theo. Miller.....	49	121	74		81

M.

At Chicago.

The Chicago Florists' Bowling Club went "up against the real thing" at Anson's alleys, Monday evening, October 3, when they tackled the All Stars, the best team Chicago can afford. Degnan rolled two games and Asmus then took his place. The following score shows how well the florists acquitted themselves.

Florists	1st	2d	3d	Total
E. F. Winterson.....	181	166	178	525
Degnan-Asmus.....	130	171	189	490
P. J. Hauswirth.....	173	170	137	480
Chas. Balluff.....	208	181	154	543
G. Stollery.....	193	158	179	530
Total.....	885	846	837	2568
All Stars.....	836	956	857	2649

The bowlers who represented Chicago at New York last August were entertained at the Bismarck Hotel Thursday evening by a number of their friends.

At Flatbush.

The Flatbush boys rolled their first game on the new bowling alleys Thursday evening, October 4. The attendance was large as befitting the importance of the event, quite a number of ladies viewing the animated scene from the visitors' balcony. The alleys are located in a spacious pavilion, eight on the ground floor and two in the basement and the entire equipment, pins, balls, etc., is new and up-to-date. The bowlers were delighted with the alleys although, as the following table shows, no phenomenal scores were recorded. A nice lunch was served during the evening.

Player	1st	2d	Player	1st	2d
E. Dailledouze.....	143	113	Raynor.....	140	119
Riley.....	176	151	Sohnutz.....	126	123
A. Zeller.....	132	135	Mellis.....	141	130
P. Dailledouze.....	128	103	Woecker.....	88	99
H. Dailledouze.....	165	130	Wagner.....	103	77
C. Zeller.....	63	101	Fairman.....	98	99
Stewart.....	147	130	Ford.....	110	89
Langjahr.....	81	89	Welsing.....	75	87
Butterfield.....	88	120	Thenois.....	120	114

At New York.

The New York Florists' Bowling Club met on the evening of Monday, October 8, for the purpose of electing officers and mapping out the winter's campaign. There were enough members present to fill all the offices and a couple more besides. President O'Mara held down the chair with characteristic dignity and Treasurer Burns awakened appreciative

applause when he announced the possession of a balance, to the good, in cash. After the exchange of mutual compliments, unanimous votes of thanks, the election of officers was proceeded with under difficulties, extreme modesty prompting declinations and soft entreaties until, at last, the list was filled as follows: President, J. M. Theilmann; vice-president, A. L. Marshall; treasurer, A. S. Burns; recording secretary, Theo. Lang; there being seven seconds to each nomination. On the selection of captain there was a tie between Messrs. Traendly and Theilmann but on the second ballot Capt. Traendly triumphed. Messrs. Traendly, Burns and Lang were appointed a committee to select alleys and arrange dates for practice games during the coming season. A vote of thanks was passed to Chairman Roehrs and his assistants in recognition of their effective services in connection with the recent convention tournament. Alfred Zeller, of Flatbush, was present and in extending an informal invitation to the new Flatbush alleys advised that all bring their patent leather shoes with them.

Philadelphia.

STOCK SHOWS CONTINUED IMPROVEMENT.—PRICES HAVE AN UPWARD TREND.—TRADE VERY FAIR.—DOINGS HERE AND THERE AMONG GROWERS AND RETAILERS.—PERSONAL MENTION AND VISITORS.

The stock of flowers now coming in shows great improvement all along the line. Bridesmaids and Brides are larger and the color of the former is much better. Some very fine Kaiserins are seen, the Brides looking very inferior in comparison. Beauties are scarcer; the stems are cut longer, the buds are larger and the price is also swelling rapidly. What a grand rose is the Beauty, with its luxurious foliage, stiff stem, large flowers of good color, its lasting qualities and delightful fragrance. Truly it is the rose of roses. The past week its price has ranged at from 75 cents to \$3 per dozen. Teas sell at from \$2 to \$4 per hundred; Kaiserins, \$3 to \$6. Carnations are waking up; \$1 to \$2 is the price. The varieties most common so far are Scott, Flora Hill, Eldorado, Cartledge, Bradt and Dana. A few Ethel Crocker were sent in by Robt. Craig & Son on October 9 and were fine, although not long in the stem. A few right nice flowers of many varieties have been seen the past week and the stock will soon be offered without apologies. Lily of the valley is in good demand with some days' business using up every available spray. The price is \$3 to \$4. Cosmos is in and sells for about 50 cents per hundred. No chrysanthemums except a few samples are seen as yet; they seem to be a trifle late in opening this season. Peacock, of Atco, is cutting some very fine dahlias; the colors and flowers are fine; in fact, the dahlia as he grows it is almost like a new flower. Greens are plentiful. Asparagus Sprengeri and A. plumosus sell for 25 cents to 35 cents per bunch, with strings of the latter at 35 cents to 50 cents. Smilax ranges from \$12 to \$15. Adiantum is 75 cents to \$1 per hundred. Orchids are seen in most of the store windows, cattleyas selling for 25 cents to 35 cents per flower.

Alexander Scott, of Robert Scott & Son, is erecting a fine dwelling near the nurseries at Sharon Hill, which he will occupy as soon as completed. He is holding back his first large house of Liberty, preferring to get a crop of extra

fine flowers for the holidays rather than bring in a lot of medium stock to compete with the surplus stock of the fall season.

Robert Craig & Son have prepared an immense bed of manure in the center of one of their largest new houses in which to finish off rubbers and crotons that have been growing outside. A little bottom heat induces a quick root action, which is very beneficial to the plants. They have a great stock of branching rubbers that should find ready sale with the best trade.

J. W. Colflesh has just finished a fine greenhouse, with brick walls and brick-lined table spaces inside. This is the way he contends that houses should be built, for then they are there to stay. The house runs east and west, with quite a rise toward the eastern end, so that the sash bars shall cast the least shadow as the sun gets around to the west.

Charles Poryzell will soon have to remove from his Fifteenth street store. The block of buildings in which he is situated is to come down about January 1 to make way for an immense office structure with stores beneath. He has not as yet secured another location.

The auction sale at Stoke Pogis Nurseries was fully up to the expectation of the proprietors and Mr. Cleary was complimented for his able work. There was a large attendance of buyers and good prices were realized, especially on the first day.

Robert Stewart has resumed business at his old location, Thirteenth street near Walnut, but in a new store. He has now one of the neatest, up-to-date shops in the city and will, no doubt, largely increase his business the coming season.

George C. Watson says that it seems as if there will be more mushrooms grown this season than ever; at least the demand for spawn is constantly increasing. He reports the sale of fall bulbs as also being very satisfactory.

H. A. Dreer has received fifty plants of the new fern, Nephrolepis Wittboldii, for trial and stock.

Visitors: Luther Burbank, Santa Rosa, Cal.; A. J. McConnell and J. A. Penman, Jr., New York; E. M. Wood, Natick; W. G. Eisele, Long Branch; Henry Siebrecht, New Rochelle. K.

NEW HAVEN, CONN.—J. N. Champion & Co. have opened a branch store at 856 Chapel street.

PONTIAC, MICH.—Charles Watrous has leased the greenhouse business of the Pontiac Floral Company.

WALTON, N. Y.—The Egleston greenhouse property has been sold on foreclosure. George St. John was the purchaser.

HORTON, KANS.—C. H. Hollid is retired from business, Arthur Hopper continuing the place, which is owned by J. D. Stanley.

NEWARK, N. Y.—The Jackson & Perkins Company has two more houses in course of construction, to be used for propagating roses.

NORTHAMPTON, MASS.—At the meeting of the horticultural society on Tuesday, October 2, G. W. Thorniley, read a paper on the culture of begonias.

BENTON HARBOR, MICH.—Thomas Evans, who has been with the Twin City Floral Co., is starting in business for himself, procuring his stock plants from Crabb & Hunter.

McKellar & Winterson

WHOLESALE DEALERS IN
=== EVERYTHING FOR FLORISTS ===

CUT FLOWERS AND PLANTS.

	Per 100
Beauties, long	\$20.00 to \$25.00
" medium	10.00 to 15.00
" short	6.00 to 8.00
Brides, Maids,	3.00 to 5.00
Perles and Meteors	3.00 to 5.00
Carnations	1.00 to 1.50
Valley	4.00 to 5.00
Lilies	12.00 to 15.00
Adiantum	.75
'Mums, select	per doz., 2.50 to 3.00
" ordinary	1.50 to 2.00
Cattleyas, select	" 5.00 to 6.00
Common Ferns	per 1000, 1.50
Smilax	per doz., \$1.25 to 1.50
Asparagus	" 5.00 to 6.00
Ivy	per 100, .50
Leucothoe Sprays	" .75
Galax, Green	per 1000, 1 50

SEEDS AND BULBS.

Freesia, Bermuda, select	per 1000, \$ 5.50
" extra select	" 6.50
Longiflorum, 7 to 9	per 100, 10.00
Candidum, extra select	" 5.00
Von Siou Narcissus, extra select	per 1000, 11.50
Paper White	" 10.50
Dutch Hyacinths, select, separate colors	per 100, 4.50
Crocus, separate colors	per 1000, 2.50
Tulips, extra fine mixed	" 7.50
Have also fine stock of named Hyacinths and Tulips and all other seasonable bulbs.	
Give us your orders. Our prices are right.	
Trade pkt.	
Pansy Seed, Florists' Best, oz.	\$8.00 .25
Cyclamen, Giant Flowered	.50
Calceolaria, Finest Mixture	.50
Cineraria, Choicest Mixture	.50
Gloxinia Hybrida, Choicest Mixture	.50
Primula Obconica, Choicest Mixture	.50

ALL SEEDS AND BULBS IN SEASON.

SUPPLIES, ETC., ETC.

Sphagnum, hurlap bales, each, #1; 6 for	\$ 5.00
" wire pressed, " 75c; 6 for	4.00
Tobacco Stems, fresh, 200 lbs. for	1.50
Preserved Cycas Leaves, assorted, 24 inches and up, per 100	15.00
Cape Flowers, white, per lb.	1.00
" colored, "	1.50
Tissue Paper, manilla, per ream	.50
" white, "	1.00
Wax " manilla, "	1.40
" white, "	2.00
Doves, first quality, each, \$1.00; per doz	10.00
" second " .85; "	9.00
Rubber Aprons, each, \$1.50; per doz	15.00

Full stock of all Supplies, including Ribbons, Tia Foil, Toothpicks, Baskets, Wheat Sheaves, Bouquet Pins, Immortelles, Flower Vases, Jardinières, Artificial Palms, etc.

SEND FOR COMPLETE CATALOGUE.

Selling Agents for Glass, Building Material, Boilers, Putty, Mastica, Paints, Oil's, Sod Crushers, White Lead, Walker's Fertilizers, Imperial Liquid Fertilizers, Insecticides, Etc.

45,47,49 Wabash Avenue, CHICAGO, ILL.

100,000 FERNS IN FLATS - - -

At One Cent.

Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample 100 Mailed for \$1.25.

Pteris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginella, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
 Orchid Growers and Importers.

Ferns in Variety

	Per 100
2 1/4-inch pots	\$3.00
Cryptomeria Japonica Japan Cedar, 2 1/2-in.	5.00
Cyperus Alternifolius, Umbrella Plant, 2-inch	2.00
" " 3-inch	3.00
" " 4-inch	5.00
Grevillea Robusta, Silk Oak, 4-inch	7.00

LOW EXPRESS RATES.
 J. S. BLOOM, RIEGELSVILLE, PA.

Latania Palms.

Choice stock in fine condition.

5-inch, 35c. 6-inch, 50c. 7-inch, 75c.

ALSO

1000 FIELD-GROWN ROSES 3 ft. high and strong, Brides, Maids and Meteors, La France and Kaiserin 8 cts. Ready Nov. 10.

JOY & SON, NASHVILLE, TENN.

PERLES, MAIDS, 3-INCH.SELECT.

Choice, strong stock, which will largely make up for late planting. They will pay for themselves in a few weeks. Absolutely sure to satisfy.

\$4.00 PER 100

SPECIAL OFFER: We need the room and will pay one-half of express charges on orders of 300 or more to places within 500 mil. s.

W. H. CULLETT & SONS, Lincoln, Ill.



JAPAN
**LILIUM
 LONGIFLORUM**

LILIES

Always

SELL WELL AT GOOD PRICES FOR EASTER. THERE IS NO REAL EASTER WITHOUT THEM.

PLANT NOW,

===Japan===

Lilium Longiflorum.

WE HAVE A LARGE STOCK OF UNUSUALLY

FINE BULBS

IN THE FOLLOWING SIZES:

	Per 100	Per 1000
6 to 8-inch	\$3.75	\$33.00
7 to 9-inch	5.50	50.00
9 to 10-inch	8.75	80.00

VAUGHAN'S SEED STORE,

CHICAGO:
 84-86 Randolph St.

NEW YORK:
 14 Barclay St.

Your Advertisement

will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in

The Best Drummer.

The American Florist.

Denver.

MEETING OF THE CLUB.—PREPARATIONS FOR THE NOVEMBER SHOW.—A COMMITTEE TO PERFECT ALL PLANS.—SCOTT READS AN ESSAY.

Arrangements for the flower show to be given by the Denver Florists' Club are slowly taking form, and within a few days the club hopes to be able to announce the full programme, the nature of the exhibits and the names of the exhibitors. With a view to securing entries from eastern florists the club has been in correspondence with some of the best known men in the country, but no definite replies have yet been received.

Thus far the arranging of details for the show has proceeded slowly, as the members of the club have all been busy with their fall work, but at the meeting October 5 a committee of five was appointed which will take entire charge of the arrangements and the work is expected to proceed rapidly from now on. This committee consists of J. A. Valentine, A. J. Graham, A. E. Mauff, A. M. Lewis and Bernard Behr. The committee will meet during the week, and it is expected that it will be able at the next meeting to give an outline of its plan for the show. E. T. Klein, chairman of the committee on finance, made a report showing the progress the committee had made in soliciting subscriptions. He said that liberal donations had been promised.

Philip Scott read a paper on "The Easterner," showing how florists are trained in the east and the advantages which they have to learn the business. He said that there are great opportunities for the trained florist in the west, owing to the climatic advantages. The club discussed the social features to be given during the winter and then adjourned.

NEWPORT, KY.—Lester Benson, who injured several ribs recently by a fall in his greenhouse, was examined with the X ray and a clot of blood was discovered. The injury was not so serious as was at first feared.

Latania... Borbonica

EXTRA FINE STOCK.

Grown cold and not drawn up or pushed with fertilizers.

7 INCH--9 LEAVES,
\$12.00 per dozen; 25 for \$22.00.

6 INCH--7 LEAVES,
\$8.00 per dozen; 25 for \$15.00.

5 INCH--6 LEAVES,
\$5.00 per dozen; 25 for \$9.00.

This stock must be sold at once. We are crowded for room.

...CASH, PLEASE...

CRITCHELL'S,
CINCINNATI, O.

WANTED:
'MUMS,
METEORS,
ADIANTUM.

WHILE we are able to supply these items in fair quantity and best grades, growers who are producing these specialties in first-class quality can find a ready market here. We solicit correspondence and an inspection of our facilities for handling stock and filling orders. * * * * *

E. C. AMLING,
THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO,
32, 34, 36 Randolph St., CHICAGO, ILL.

4 Acres Field-Grown Carnation Plants, 120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and are packed light by our improved method of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINCREE	CRIMSON SPORT	JUBILEE	ELDORADO
MELBA	MAUD ADAMS	MCGOWAN	L. L. LAMBORN
SWEETBRIER	METEOR	FLORA HILL	PORTIA
MRS. FISHER	ALBERTINI	DOROTHY SWEET	C. A. DANA

\$1.00 per dozen. \$5.00 per hundred.

J. L. DILLON, Bloomsburg, Pa.

McCARTHY'S PLANT AUCTIONS.

Every Tuesday and Friday, 9:30 A. M., for mutual advantage of Grower and Buyer. On Tuesday, October 16, 20,000 assorted Dutch Bulbs. Tulips in finest varieties. Usual line of plants.

84 Hawley St. BOSTON, MASS.

PRIMROSES.

Per 100
Chinese, single mxd. large flowering fringed, \$1.50
Obconica **GRANDIFLORA** and **ROSEA**..... 2.00
ASPARAGUS Sprengerii, 2-inch pots..... 2.50
" Plumosus, 2-inch pots..... 3.50
Pansy Plants, large flowering, 1000, \$2.50..... .50

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

CARNATIONS

600 Crane, 1st size, \$6; 2d size, \$5. 200 Joost, 2d size, \$4. 800 Daybreak, 75 Jas. Dean, \$3.50. 400 Pingree, \$3. 200 White Cloud, \$5. Prices per 100.

CARL RAUTH, Springfield, Ill.

SCOTT, PORTIA, ELDERADO
and **METEOR**, \$2 per 100.

WM. MURPHY, Carnation
Grower,
Station F, Cincinnati, O.

MARQUIS

CARNATIONS, field-grown,
\$10 to close balance of stock.

L. E. MARQUISEE, Syracuse, N. Y.

SURPLUS CARNATIONS.

10,000 FIELD-GROWN

Hardy and first-class. Daybreak, \$3.50; Flora Hill, \$4.50; Scott, \$3.50; Dean, \$4.00; Crane, \$5.00; Joost, \$4.50; J. Young, \$4.00; Mrs. Bradt, \$7.00; Edith Foster, \$5.00.

GEO. O. CALDWELL, Scranton, Pa.

Field-Grown CARNATIONS

Daybreak, Scott, Portia, Silver Spray, Genesee, Cartledge, Jubilee and Triumph, } \$5 per 100,
} \$40 per 1000

FIELD-GROWN VIOLETS,
\$5 per 100, \$40 per 1000.

Pot-Grown Violets,
3-inch, \$3 per 100; 4 inch, \$4 per 100.

WM. F. KASTING, 481 Washington Street,
BUFFALO N. Y.



10,000 Carnations

Flora Hill, \$4 per 100, \$35 per 1000. Wm. Scott, \$3 and \$3.50 per 100, \$25 and \$30 per 1000. L. McGowan, \$2.50 per 100, \$20 per 1000.

C. HUMFELD
Cloy Center, Kas.

Please mention the American Florist when writing.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS.
Send for prices of thirty-five best new and standard varieties.

GEO. HANCOCK & SON,
Grand Haven, Mich.

Daybreak Carnation

2000 fine plants, \$5.00 per 100, or \$75.00 for the lot.

Also 400 **ADIANTUM CUNEATUM** Ferns, from 6-inch pots, \$10 per 100. Cash with order.

E. B. SUTTON, JR., Babylon, L. I.

Field-Grown Carnations Glacier, Evarston, Dana, Meteor, Bride'smaid, Jubilee, Armazindy, all others sold. Fancy stock, \$5; ordinary, \$3. Cash. **DANA R. HERRON, OLEAN, N. Y.**

WITTBOLD'S FALL LIST OF EXTRA QUALITY DECORATIVE PLANTS.



THE following quotations offer exceptionally good value. There is nothing quoted which we cannot recommend and ship at once, safely by freight, before cold weather. Our stock is larger than ever and particularly clean, healthy and vigorous; we offer it on its merit.

We have a nice stock of Asparagus in sizes as quoted in the list.

Kentias--Latanias

Varieties	Size Pot	Height Inches	No. Leaves Each	Per Doz.	Per 100	Per 1000
Kentia Belmoreana	2 1/2	8 to 9	3 to 4	.35	\$ 1.50	\$12.00
Kentia Belmoreana	3	10 to 12	4 to 5	.40	2.00	15.00
Kentia Belmoreana	3 1/2	12 to 11	5 to 6	.25	3.00	20.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	30.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00	90.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	120.00
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00
Kentia Belmoreana	8	42 to 48	6	3.25	39.00	300.00
Kentia Forsteriana	2 1/2	8 to 9	3 to 4	.15	1.50	100.00
Kentia Forsteriana	3	10 to 12	4 to 5	.20	2.00	150.00
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00	180.00
Kentia Forsteriana	4	14 to 16	5 to 7	.40	4.00	300.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	600.00
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00	90.00
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	120.00
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00
Lantana Borbonica	2 1/2	8 to 9	3	.80	5.40	40.00
Lantana Borbonica	3	10 to 12	4 to 5	1.00	8.00	75.00
Lantana Borbonica	3 1/2	12 to 15	5 to 6	.15	1.50	100.00
Lantana Borbonica	4	15 to 18	5 to 7	.25	3.00	200.00
Lantana Borbonica	5	18 to 22	6 to 7	.50	5.00	350.00
Lantana Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00
Lantana Borbonica	6	24 to 30	6 to 8	.75	9.00	
Areca Lutescens	2 1/2	5 to 6	3 plants in pot	1.00	8.00	
Areca Lutescens	3 1/2	12 to 14	3	2.00	15.00	
Areca Lutescens	4	15 to 18	3	.25	3.00	25.00

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Adiantum Cuneatum	5-inch	\$2.00	\$15.00
Pteris Cretica Albo-Lineata	2-inch	.50	4.00
Pteris Serrulata Cristata	2-inch	.50	4.00
Pteris Serrulata	2-inch	.50	4.00
Pteris Tremula	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtomium Falcatum	3-inch	1.00	8.00

Ferns--Cont'd.

	Size	Doz.	Per 100
Cyrtomium Falcatum	4-inch	\$1.50	\$10.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Exaltata	6-inch	3.00	20.00
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Bostoniensis	4-inch	2.00	
Nephrolepis Bostoniensis	5-inch	3.00	
Nephrolepis Bostoniensis	6-inch	5.00	
Nephrolepis Bostoniensis	7-inch pans	9.00	60.00

..Asparagus..

	Size Pot	Doz.	Per 100
Asparagus Plumosus Nanus	2-inch	\$.50	\$ 4.00
Asparagus Plumosus Nanus	3-inch	1.00	8.00
Asparagus Plumosus Nanus	4-inch	1.50	12.00
Asparagus Plumosus Nanus	5-inch	2.00	15.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	6-inch	5.00	
Asparagus Sprengerii	8-inch	10.00	

The several sizes of Asparagus Sprengerii are especially strong and large value.

Miscellaneous.

	Each
Araucaria Excelsa, 3-inch, nice plants	\$.50
Araucaria Excelsa, 3 1/2-inch, nice plants	.75
Araucaria Excelsa, 5-inch, nice plants	1.00
Cycas Revoluta	.25c to .50
Ficus Elastica	Pot Height Leaves Each Doz. Per 100
Ficus Elastica	6 22 to 23 12 to 14 \$.75 \$ 7.20 \$60.00
Ficus Elastica	7 24 to 28 14 to 16 10.00 75.00
Ficus Elastica	8 28 to 34 16 to 18 12.00 100.00
Pandanus Utilis	2 1/2 6 to 8 10 to 12 1.00 8.00
Pandanus Utilis	3 8 to 10 12 to 15 2.00 15.00
Pandanus Veitchii	6 extra fine 18.00
Cocos Weddeliana	3 .25 2.00 15.00
Phenix Reclinata	10 40 to 45 6 to 8 3.50
Aspidistra Lurida	5 15 to 20 8 to 12 .50 6.00
Sansevieria Java Var., 2-inch, strong plants	dozen .60
Sansevieria Java Var., 3-inch, strong plants	" 1.25
Sansevieria Java Var., 4-inch, strong plants	" 2.00

NEPHROLEPIS WITTBOLDII, strong runners, ready for 3-inch pots, \$1.00 each; \$10.00 per dozen.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place

CHICAGO, ILL.

Baltimore.

GARDENERS' CLUB'S DAHLIA SHOW WAS PRONOUNCED A SUCCESS.—MANY GOOD EXHIBITS.—JOTTINGS OF INTEREST.

The dahlia show was a success if judged by the varieties and quality of the blooms staged and, considering the rainy night and the counter attractions in the city, the attendance was as good as could have been expected. The largest display was by R. Vincent, Jr., & Son, of White Marsh, Md., though that of W. P. Peacock, of Atco, N. J., was of superior flowers finely finished and in charming variety of form and color. Other exhibitors of dahlias were F. C. Bauer, of Govanstown, and Henry Fischer. John Cook exhibited roses, Baltimore and Mrs. Robt. Garrett. H. A. Dreer sent a very pretty lot of nymphæas from Philadelphia.

The propagating houses at Druid Hill Park are being enlarged to double their former capacity. Wm. Hamilton, the gardener there, expects to propagate a minimum of 100,000 plants next spring.

The weather is becoming decidedly colder, and the hard freeze which is being hoped for as a stimulant to trade is evidently near at hand. MACK.

MARSHFIELD, WIS.—R. H. Macklin, formerly of Stevens Point, has started in the florist and nursery business here.

EAST MORRIS, CONN.—James Benedict is retiring from business. He has sold his boiler to O. T. Roeske, at Watertown.

80,000

FINE, LARGE, FIELD-GROWN

Carnation Plants

Your money refunded if plants are not satisfactory.

Scott, McGowan, Pingree, Evelina, \$2.50 per 100, \$20.00 per 1000.

White Cloud, \$5.00 per 100.

Argyle, a deep pink, better than Scott, \$2.00 per 100; \$18.00 per 1000.

ROSE PLANTS.

METEOR BRIDESMAID BRIDE } Large, strong plants. Per 100, \$2.50; 1000, \$20.00.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

100,000 CARNATION PLANTS

LARGE, HEALTHY, FIELD-GROWN PLANTS.

WM. SCOTT.....	100	1000
LIZZIE MCGOWAN.....	\$2.50	\$20.00
EVELINA.....	2.50	20.00
ARMAZINDY.....	2.50	20.00
GOLD NUGGET.....	2.50	20.00
VICTOR.....	2.50	20.00
NIVEA.....	2.50	20.00
MRS. BRADT.....	5.00	

PETER REINBERG,

51 Wabash Avenue,

CHICAGO, ILLINOIS.

FIELD-GROWN

CARNATIONS

LARGE, HEALTHY PLANTS, CLEAN AND READY FOR IMMEDIATE PLANTING.

	Per 100	Per 1000		Per 100	Per 1000
Triumph.....	\$5.00	\$40.00	Jubilee.....	\$3.50	\$30.00
Flora Hill.....	5.00	40.00	Bon Ton.....	3.50	30.00
White Cloud.....	5.00	40.00	Lizzie McGowan.....	3.50	30.00
Evelina.....	3.50	30.00	Arnazindy.....	3.50	30.00

WIETOR BROS.,

51 WABASH AVE.

.....CHICAGO.

Carnation Plants

ARE ALL SOLD EXCEPT 4000 FLORA HILL, 500 SCOTT AND 200 PIERSON.

In order to close this lot out at once will sell cheap. Plants are good size and healthy. Write for prices if you want them.

Blooms of leading varieties now ready in small or large quantities. Write for quotations. Standing orders solicited. Also large quantities of Violet Blooms.

Address CHAS. CHADWICK, Grand Rapids, Mich. Lock Box 11

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch. MARIE LOUISE VIOLETS, from 2½ and 3-inch pots, \$2.50 to \$3.00 per 100; \$25.00 to \$30.00 per 1000. A. S. MacBEAN, LAKEWOOD, N. J.

FIELD-GROWN CARNATIONS.

Flora Hill, Scott, McGowan, Portia, Bridesmaid, Nivea, Eldorado, Gold Nugget, Morello, Jubilee, Armazindy, Kitty Clover, Victor, Daybreak, Dana, Evanston, \$3.50 and \$5.00 per 100. Cash, please.

E. A. LLEWELLYN, Olean, N. Y.

CARNATIONS

EXTRA FINE JOOST

\$40.00 per thousand to close out. Others all sold.

Isaac A. Passmore, Route 7, West Chester, Pa.

Mayor Pingree Carnations

I have 1000 strong healthy plants of this fine yellow variety. Will close them out at \$3.90 per 100, or \$25.00 for the 1000.

W. W. COLES, KOKOMO, IND.

Carnation Plants.

Fine field-grown plants: Flora Hill, Scott, Daybreak, Lizzie McGowan, Mrs. Fisher, Victor, New York, Evanston, Albertini, Firefly. Pr ce, \$4.00 per 100.

SMILAX fine, 3-inch stock.....\$2.50 per 100 PLUMOSUS, fine, 3-inch stock.....\$5.00 per 100 CASH WITH ALL ORDERS, PLEASE.

VAN WERT GREENHOUSES, Van Wert, O.

CARNATIONS FIELD-GROWN PLANTS

	Per 100	Per 100
GENEVIEVE LORD, the finest of all commercial pink Carnations, size, size, fine plants.....	1st \$12.00	2d \$10.00
J. Whitcomb Riley.....	12.00	
Daybreak.....	6.00	
Mayor Pingree.....	5.00	
100 Wm. Scott.....	5.00	
Seedling No. 39, fine plants.....	8.00	

No. 39 is a bright pink, very free winter bloomer, stems averaging 2 to 3 feet.

H. WEBER & SON, Oakland, Md. Please mention the American Florist when writing.

AZALEAS.

Special Prices for Immediate Orders.

If you have not yet placed your order for Azaleas it will be to your interest to do so at once, thereby securing the choice of the stock at lowest cost for transportation, as the plants can now be forwarded with perfect safety by fast freight, even to the most distant points.

All of our importations of Azaleas are sent here in bulk, and all are repacked at our own nurseries, so that any plants that may have not carried well are set aside. This insures our customers of securing only first-class stock, which cannot be compared with cheap assorted case lots, which are made up in Belgium and are distributed on this side just as received, frequently not only containing damaged plants, but also, as a rule, many varieties not at all suited to the American trade.

The varieties we supply are only the most popular sorts suited to the American market. Our own representatives make personal inspection of the plants in Belgium previous to shipment, thus enabling us to secure the best stocks grown.

PRICES.

Include duty, packing and delivery in good condition to any Express, Freight or Steamship Line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter.....	per doz.,	\$ 4.50;	per 100,	\$ 35.00
12 to 14 " " " "	"	6.00	"	45.00
14 to 16 " " " "	"	7.50	"	55.00
16 to 18 " " " "	"	12.00	"	90.00
18 to 20 " " " "	"	25.00	"	200.00
20 to 24 " " " "	"	36.00	"	300.00



HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

CANNAS

Dry roots, ready in November; 30 best named sorts, per 1000.....\$15.00

CALADIUMS Fancy leaved, 40 named sorts.
Per 100 Per 1000
Dry bulbs, 1 1/4 to 2 1/4-in.....\$10.00 \$90.00
Dry bulbs, 1 to 1 1/4-in..... 8 00 70 00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful planis, bushy, 15 to 18-in.....\$30.00

PHOENIX CANARIENSIS & TENUIS, Very stocky.
3-4 characterized leaves, 15-18-in..... 15.00
4-5 " " " " 20-24 " " 25.00
5-6 " " " " 24-30 " " 40.00

PHOENIX RECLINATA, 3-4 characterized leaves, 15-18-in., very stocky..... 25.00

LATANIA, 4-5 characterized leaves, 18-20-in..... 25.00

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in..... 12.00

Not less than 50 at above rates.
Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.

ASPARAGUS PLUMOSUS MANUS, Per 100
Strong plants from 2 1/2-in pots, ready for a shift..... \$5.00

BEGONIA REX, Fine stock in 3-in. pots, ready for a shift, in good assortment.... 6.00

CHINESE PRIMROSES, Globosa type, best strain grown. White, pink and red, 3-in. pots, extra strong..... 5.00

BABY PRIMROSE, Extra fine, from 2 1/2-in. pots, ready for a shift..... 4.00

SWEET ALYSIUM, Giant white, extra fine for immediate planting, 3-in. pots.. 3.00

VINCA MAJOR VARIEGATA, Very strong field-grown clumps, with 6 to 10 long growths..... 6.00

NATHAN SMITH & SON, Adrian, Mich.

XXX Stock

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors; a splendid stock of plants from 2 1/2-in. pots, \$5.00 per 100, \$40.00 per 1000; from 3-in. pots, \$7.00 per 100, \$60.00 per 1000.

BEGONIA REX—(rooted cuttings). I have a most beautiful collection of this justly popular pot plant in 25 very handsome varieties, assorted, \$2.00 per 100; mixed, \$1.50 per 100.

ALL STOCK GUARANTEED A No. 1.
PAUL MADER, East Stroudsburg, Pa.

Headquarters for Lorraine Begonias

WE OFFER THE FOLLOWING FOR IMMEDIATE DELIVERY:

BEGONIA GLOIRE DE LORRAINE.

Fine, strong plants from 2 1/4-in. pots, \$15.00 per 100; 3 1/2-in. pots, \$25.00 per 100.

BEGONIA GLOIRE DE LORRAINE NANA COMPACTA.

Fine strong plants from 2 1/4-in. pots, \$15.00 per 100; 3 1/2-in. pots, \$27.50 per 100. We especially recommend the 3 1/2-in. size as being exceptionally well rooted and of strong, healthy growth; almost ready for a shift to a 6-in. pot. These plants should find a ready sale at Christmas as they will be in full flower at that time.

BEGONIA CALEDONIA, the White Lorraine.

Plants from 3 1/4-in. pots, for delivery November 1st., \$5.00 each. We are the only firm in America offering this fine new novelty this year.

R. & J. FARQUHAR & CO., 16 and 19 South Market St., BOSTON, MASS.

WANTED

Swanley White Violet Plants.

Any number up to 1000.
Address, with price,

B, care W. J. Stewart,
67 Bromfield Street, BOSTON, MASS.

SMILAX

FINE PLANTS, out of 2-inch pots.
\$1 50 PER 100, \$12.50 PER 1000.

J. C. Schmidt, Bristol, Pa.

Pansies and Daisies.

Giant Trimardeau and Roemer's Superb Prize strains. 50c per 100 postpaid; \$3 per 1000, \$12.50 for 5000, express. Our large flowering strain, 40c per 100, \$2.50 per 1000, \$10.00 for 5000.
Hardy Daisies, Snowball and Longfellow, 50c per 100, \$3.00 per 1000, \$12.50 per 5000.
Carex Japonica Variegata, 2-in., fine, \$3 per 100.
CASH PLEASE.

BYER BROS., CHAMBERSBURG PA.

Acalypha Sanderi.

Strong 2 1/2-inch plants, \$3.00 per 100.

Boston Fern

2 1/2-inch, \$2.50 per 100; 3-inch, \$5.00 per 100.

The CONARD & JONES COMPANY,
West Grove, Pa.

PÆONIES.

We have 100 named double varieties, selected for florists' use; all good for cut flowers.

1 each of 100 varieties..... \$15.00
1 each of 50 varieties..... 6.00
1 each of 25 varieties..... 3.00
Standard Red, Pink and White, per dozen, \$1.20
INDIANAPOLIS FLOWER & PLANT CO.,
Indianapolis, Ind.

Boston Ferns

FINE PLANTS from bench, ready for 6-in. pots, \$2.50 per dozen; from 2-in. pots, \$2.50 per 100. Rooted plants, strong, \$1.00 per 100.

DAVIS BROS., Morrison, Ill.

Fall River, Mass.

AT THE HOME OF CRESSBROOK.—GOOD METHODS PREVAIL AT THE WARBURTON PLACE.—FAVOR FOR A WINTER MEETING OF FLORISTS.—NOTES.

A cross between Mrs. Bradt and Scott, partaking of the best traits of each and with some excellent traits of its own; such, in brief, is Cressbrook, the seedling which Chatterton Warburton has been growing for the past three years and which he intends exhibiting for the first time at Baltimore, in February. What is especially attractive about it is its color, a rich, deep pink unlike anything in the market at present. A stroll through the Warburton houses, ten in number, and comprising about 30,000 feet of glass, shows as fine a lot of carnation and rose plants as I have seen in my recent travels, neatness and order obtaining throughout. Funeral work has kept Mr. Warburton more than ordinarily busy during the past week. With the advent of the season a decided improvement all along the line is a foregone conclusion.

Appropos of Mr. Craig's suggestion that the S. A. F. hold a meeting and exhibition in February, I have yet to meet the first florist who would protest against a permanent change of the month of meeting. Mr. Craig has unquestionably hit the mark, so to speak. The month of August is generally a busy one with most of the florists, repairing, building and planting all coming in during this month.

F. Buffington's establishment shows that things about it have been kept a'humming during the spring and summer seasons.

Geo. Smith, the Peckham street florist, has recently returned from his vacation, spent in Maine.

NOMIS.

CHENOA, ILL.—Frank Hensler has made a ten years lease on some lots on South Commercial street at Second avenue and has begun to move his greenhouses on to them.

SOMEVILLE, MASS.—Pote & Wallace are a new firm recently starting at Prospect Hill. They are building a commodious office at the entrance to their driveway.

MARIONETTE, WIS.—George Vatter has two houses of chrysanthemums which will be ready in about a week. He is growing the very best sorts, as he is of carnations.

LIBONIA, PA.—Ora E. Huber has resigned his position with G. W. Park because of ill health and returned to his home at Chambersburg. He has been succeeded by Wm. Clugston, who has removed his family from Doylesburg. Miss Maggie Park, who is Mr. Park's private secretary, is quite ill.

SUMMIT, N. J.—Joseph A. Manda reports a prosperous first month of The Manda Co., started on Springfield avenue in this place. The orders for cut flowers have been numerous and several contracts for landscape gardening, which is made a feature of the new business, for next season have already been booked.

ST. JOHN, N. B.—The floral display at the annual fair here in late September was exceedingly good. H. E. Gould made an extensive showing of plants, flowers and bulbs. The special prize offered by Burpee for sweet peas was won by T. L. Hay with a collection comprising over fifty varieties. D. Mackintosh showed a very large and varied collection of decorative plants.

My BRANCHING

.... RUBBERS

Are the talk of the town.

I offer these and a full line of well-grown, stocky, decorative plants.

Handsome PRIMROSES and the sensational novelty PERUVIAN PEPPERS are now in finest condition.

PRICES RIGHT.

LOUIS SCHMUTZ, FLATBUSH, BROOKLYN, N. Y.

HARDY CUT FERNS

75 cts. per 1000.

Natural circumstances seem to indicate this as a hard year to keep cut ferns. If this proves true the price will advance accordingly.

XMAS TREES by car load or less.

JOHN ABBOTT, Hinsdale, Mass.

'MUMS 6-in. pot grown, single stem, with 3 to 4 buds or more, at \$1.50 to \$2.00 per dozen.

ROSES, Meteors, Perles, Maids and Brides; extra fine stock, 3-in., \$3.00 per 100, \$25.00 per 1000. Discount on large lots.

CARNATIONS, a bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for price list.

CRABB & HUNTER, Grand Rapids, Mich.

NOVELTIES IN PLANTS That Can't be Had Elsewhere.

Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Euddeias, New Deutzias, Mr. Peter Barr's New White Lupin, The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vines, New Shamrock Pea. Send for Catalogue of Novelties. Always in quantity—Aparagus Sprengerii, Boston Fern, Baby Primrose, Edelweiss, Fern Balls at lowest prices. A. Blanc & Co., Philadelphia, Pa.

ASPARAGUS

Sprengerii and Plumosus Nanus

Extra strong stock from 2 1/2-in. pots, \$5 per 100, \$40 per 1000. (Ready for 3-inch.)

JACKSON & PERKINS CO., Newark, New York.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz. GERANIUMS, S.A. Nutt and others, 3-in., \$4 per 100. NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.

ASPARAGUS PLUMOSUS, 2 1/2-in., \$5 per 100, \$40 per 1000. ASPARAGUS SPRENGERII, 2 1/2-inch, \$4.00 per 100; \$30.00 per 1000.

SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. Carl Hagenburger, W. Mentor Ohio.

CRYPTIOMERIA JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00. ASPARAGUS SPRENGERII, 2-inch, \$2.50 per 100.

SATISFACTION GUARANTEED. E. I. RAWLINSON, Quakertown, Pa.

ELECTROS... 

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

....324 Dearborn St., CHICAGO.

Herr's == Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment. Plants only, and ready October 1st to January 1st.

FREE BY MAIL,

75c per 100, 250 for \$1.50; 500 for \$2.50.

By Express at Your Expense, \$4 per 1000.

ALBERT M. HERR LANCASTER, PA.

ROEMER'S SUPERB PRIZE Pansies.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa. Grower of the Finest Pansies.

PANSIES WORTH RAISING

SEED, 3-16 oz., \$1.00; 1 oz., \$4.00. PLANTS, 500, \$2.50; 1000, \$4.00.

F. O. B. express here. CASH WITH ORDER. Everything first-class.

CHR. SOLTAU, 199 Grant Av., Jersey City, N. J.

PANSIES THE JENNINGS STRAIN.

Highest standard plants, finest mixed, 60 cts. per 100 by mail; \$1.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

E. B. JENNINGS, The Finest Pansies, Lock Box 254. SOUTHPORT, CONN.

ZIRNGIEBEL'S

GIANT PANSY PLANTS NOW READY.

GIANT MARKET..... \$ 5.00 per 1000 GIANT FANCY..... \$10.00 per 1000 Also seed of the above strains, in trade packets, at \$1 each. DENYS ZIRNGIEBEL, Needham, Mass.

Pansies.

Large Flowering Giant,

In fine mixture, strong plants ready now for planting outside or in.

Price by Mail, 50c per 100; by Express, \$3 per 1000. In lots of three to five thousand at \$2.50 per 1000.

E. FRYER, BATAVIA, ILL.

PANSIES

Only 50,000 nice plants now on hand.

These are grown from the best seed in the world, and sure to please you. 50c per 100, \$3 per 1000.

S. T. DANLEY, Macomb, Ill.

PANSIES. Fine, field-grown plants of the famous DIAMOND STRAIN of large-flowering Pansies. Most perfect form and greatest variety of rich and rare colors. Hundreds of testimonials from florists who have used them. Pansies a specialty for 25 years. Over 60 distinct sorts and an endless variety of shades and markings, all mixed, by mail, post-paid; 75 cts. per 100; by express, 1000 \$4.00; 500 \$2.25. Cash with order.

L. W. GOODELL, PANSY PARK, Dwight, Mass.

American Florist Advt's.



Reach all the Trade.

HEACOCK'S PREMIUM ARECAS

I have grown on some specimen Arecas plants that last year showed exceptional vigor. These are now in 14-inch pots, stand 8 to 9 feet high and very bushy. Each plant is perfect from all sides and great value for the price, \$25 to \$30 each. I also offer the following list of assorted Palms, all in perfect form and entirely free from insects or blemishes of any kind:



Areca Lutescens.

3 plants, 6 inch pot, 24 to 28-inches..... \$12 per Doz., \$100 per 100
 3 " 8 " 36 inch, fine.....\$3 each.
 Specimen, 14 " 8 to 9 feet, very fine and bushy.....\$25 to \$30

Cocos Weddeliana.

1 plant, 2 1/4 inch pot, 8 to 10 inches high.....\$15 per 100
 1 " 3 " 10 to 12 " 20 "
 1 " 4 " 18 inches high..... \$.50 each
 3 " 5 " 18 " 1 00 "

Kentia Belmoreana.

4 inch, 5 to 6 leaves, 15 inches high.....\$ 4.50 per doz., \$ 35 per 100
 6 " 6 " 24 " 15.00 " 125 "
 8 " 6 to 7 " 30 to 32 inches high..... \$3 each.

Kentia Forsteriana.

4-inch pot, 4 to 5 leaves, 15-in. high.....\$4 50 per doz., \$35 per 100
 6 " 5 " 24 to 28-in.....\$1.00 each, 12 per doz.
 6 " 5 to 6 " 30 " 1 25 " 15 "
 8 " 6 " 36 to 40 " 3.00 " 36 "
 8 " 6 " 48 to 50 " 4.00 " 48 "

JOSEPH HEACOCK, - Wyncote, Pa.

MONEY IN VIOLETS.

Practice the methods of culture and marketing explained in Professor Galloway's book

Commercial Violet Culture,

224 pages, elegantly printed and illustrated.
 Price, postpaid, \$1.50.

COMMERCIAL PLANTS, G. W. OLIVER.....\$1.00
 WATER GARDEN, WM. TRICKER..... 2.00
 RESIDENTIAL SITES and ENVIRONMENTS,
 J. P. JOHNSON..... 2.50

Send for catalogue of other trade books.

A. T. DE LA MARE PRINTING & PUB. CO. Ltd.,
 P. O. Box 1697, NEW YORK.

1/2 MILLION 1/2

Flowering Shrubs.

Leading varieties, ranging from 1 to 3 feet in height and 1 to 4 years in age. Adapted to all locations.

50,000 LARGE FLOWERING SHRUBS, from 4 to 7-ft., bushy, symmetrical, fine and thrifty. Excellent for new places where immediate effect is desired.

BARGAINS in these by the quantity, as land must be cleared.

Morrisville,
THE WM. H. MOON CO., Pa.
 NURSERIES—30 miles from Philadelphia.

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,
 CHICAGO.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Jardinere Ferns,

ELEGANT STOCK,
 \$3.00 a Hundred - - \$25 00 a Thousand

Roses for the South,

Varieties most adapted for southern planting. Just the thing you want. Stock A1. Write for prices.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

15,000 EXTRA FINE BOSTON FERNS

2 1/2, 3, 4, 5, 6 and 7-inch pots, now ready for shipment. Some very fine plants of *Asparagus Plumosus Nanus* out of 2 1/2-inch pots. A few thousand mixed *Roses* on hand for planting. Write for prices.....

GEO. A. KUHL, PEKIN, ILL.

Edward B. Jackson, WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

SPECIALTIES IN BEST ...VARIETIES

ROSES, from 3-inch pots.
 CARNATIONS, for all delivery.
 CHRYSANTHEMUMS.
 SMILAX.

Prices low. Send for list. VIOLETS,
 WOOD BROTHERS, FISHKILL, N. Y.

BIG CUT

To make room for 25 000 GERANIUM CUTTINGS which must be potted in ten days,

Will fill all orders for ROSE stock at \$2.50 per 100; \$20.00 per 1000; 250 plants for \$5.00. Bear in mind this price only holds good to the 15th of October: Brides, Meteor, Maids, Golden Gate, Perle, strong, 3 and 3 1/2-inch, 12 to 18 in. high, full of new shoots. Fine stock.

10,000 Strong Field-Grown CARNATIONS, X X strong, full of buds, \$3.00 per 100. 10,000 standards, Wm. Scott, McGowan, Evelina, Armazindy, Gold Nugget, Victor, Nivea, \$2.50 per 100. Mrs. Bradt, at \$5.00.

1000 Bruantii GERANIUMS, strong 3 and 2 1/2-inch, \$1.50 per 100. Mme. Sallerot, strong 2 1/2-in., \$1 50 per 100; strong 2-in., \$1.00 per 100.

AGERATUM Princess Pauline, rooted cuttings, 60c per 100. Louise Bounnet, latest novelty in white, \$1.00 per 100 R. C.

SALVIA SPLENDENS, \$1.00 per 100 R. C.
 ALTERNANHERA, 3 vars., dwarf, 60c per 100; \$5.00 per 1000.

ASPARAGUS SPRENGERII, very strong, 2 1/2-in. ready for 4-in., only \$4.00 per 100.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.
 Please mention the American Florist when writing.

Hardy Herbaceous AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.
 The Blue Hill Nursery, So. Braintree, Mass.
 CORRESPONDENCE SOLICITED.

Cyclamen Giganteum in all the colors.

Fine plants, well set with buds. They will make a fine size for Christmas. } in 3-in. pots, ready buds. They will make a } for 5-in. pots, useful size for Christmas. } \$8 PER 100.

EDWIN LONSDALE,
 WYNDMOOR,
 (Near Phila.) PA.

Mouey Order Office
 Sta. H, Philadelphia.

Louisville.

NOTINGS HERE AND THERE AMONG THE CRAFT IN THE BLUE GRASS METROPOLIS. —WHAT THE GROWERS ARE DOING.

Chas. Raynor, of the Anchorage Rose Co., Anchorage, Ky., has purchased twenty acres of beautiful, rolling blue-glass land adjoining his new plant. He has the largest plant in Kentucky now devoted exclusively to the wholesale growing of cut flowers. His roses are in magnificent condition and his cut now, although some houses are off crop, is very large. He has one house of carnations, 20x300, in which the plants are looking fine.

Wm. Walker has moved to a larger store and one remodeled to suit his business. It has a conservatory in the rear and his new ice box is fitted with large plate glass ends and sliding doors and is so light that the flowers can be seen from the street nearly as well as if they were in the show window. The bottom of the box is Tennessee marble and the shelves are plate glass.

H. Kunzman, Coenen & Co., and Wm. Mann have all grown some magnificent specimens of Boston ferns and as there is a nice premium offered at the chrysanthemum show the competition will be lively.

Mrs. Chas. Reimer had a fine display of white chrysanthemums in her window last week; they were the first on the market here.

Louis Kirch, the carnation specialist, has removed his greenhouses to a larger tract of land so that he can spread out.

Violets have begun to come in but they are small and do not sell well as yet.

Business is reviving and all the florists anticipate a good season.

Nanz & Neuner are cutting a good many Beauties now.

George Schultz has completed his new rose house. H. G. W.



Some Cheap Plants FOR CASH.

- 500 Choice Mixed Ferns, 4-in. \$8.00
- 30,000 Pansy Plants, Giant Fancy Flowering, 16 New Ruffled Sorts, per 1000, 4.00
- 5,000 Flowering Begonias, 10 varieties, named, 2½-in. 1.50
- 10,000 Geraniums, 40 varieties mixed, June rooted, 2½ in. 1.50
- 3000 Field-grown Roses, Bride, Bridesmaid and Perle. 5.00
- 5000 Field-grown Jerusalem Cherry, hundreds of berries, 2-ft. diam., bushy, fine. 10.00
- 10,000 Chinese Primulas, blue, white, pink and red, separate, Barnard's strain, fine. 1.50
- 1000 Cinerarias, 2¼-in. 2.00
- New Geranium De Roo Mitting, yellow foliage, with double scarlet bloom, 2½-in. \$1.50 per doz.
- New Geranium Double Snow Drop, 2½-in. \$1.50 per doz.

THE MORRIS FLORAL CO., MORRIS, ILL.

VEGETABLE PLANTS

CABBAGE—II. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

POINTS ARE PRICES-QUALITY



SAGO LEAVES.

Per 10		Per 10	
6-12 inch.	\$.40	24-30-inch	\$.85
12-18 " .....	.55	30-36 "	1.20
18-24 " .....	.70	36-42 "	1.50
42 inch and over, per 10, \$2.40.			



No. 7200 PALMS.

Lvs.	Hgt.	Doz.
7204.....3.....	21-in.	\$2.10
7204a.....3.....	36 "	3.60
7200.....5.....	36 "	5.49
7201.....6.....	40 "	7.20
7201a.....10.....	40 "	ea. 1.80



Metal Wreaths, From 25 cents up.

PALM TREES.

Lvs.	Hgt.	Pa.	Natural Prepared
7206.....9... 7-ft.		\$3 50	Palm Leaves, 100
7208.....15 "	9 "	4.50	Medium size. \$ 6.00
7209.....24. 10 "		6.09	Large size. 10.00

Frank Netschert,

CHICAGO: 187 S. Clark St. NEW YORK: 7 Barclay St.

Ask for Catalogue No. 23.



Please mention the American Florist when writing.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20		
1500 2½ " " " 5.25	60 8 " " " 3.00		
1500 3 " " " 6.00	48 9 " " " 3.60		
1000 3 " " " 5.00	48 10 " " " 4.80		
800 3½ " " " 5.00	24 11 " " " 3.60		
600 4 " " " 4.50	24 12 " " " 4.80		
320 5 " " " 4.50	12 14 " " " 4.80		
144 6 " " " 3.18	6 16 " " " 4.60		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

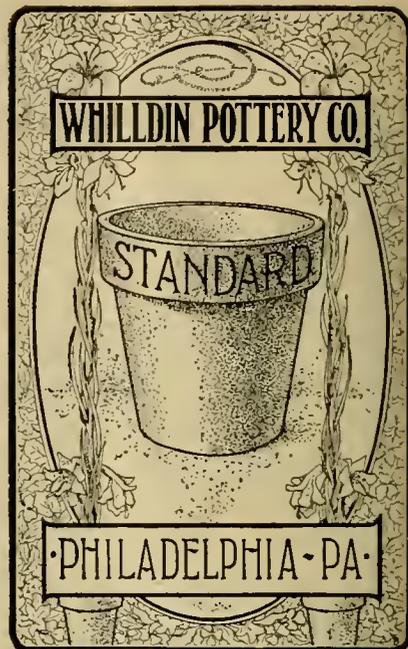
HILFINGER BROS. POTTERY, OR.... FORT EDWARD, N. Y. AUGUST BOLKER & SONS, New York Agents 52 DRY STREET, NEW YORK CITY.

Please mention the American Florist when writing.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.



GEO. KELLER & SON,

MANUFACTURERS OF

Flower Pots.

Before buying write for prices. 361-363 Herndon Street near Wrightwood Ave., CHICAGO, ILL.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'FY,

HARRY BALSLEY, DETROIT, MICH. Rep. 490 Howard St.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market, are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.

Standard FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWANN'S POTTERY MFG CO., P. O. Box 78, Minneapolis, Minn.

ORCHIDS! ORCHIDS! ORCHIDS!



Cleary & Co., Auctioneers, 60 Vesey St., New York, will sell on **TUESDAY, OCT. 16, 1900**, promptly at 12 noon, the largest collection ever offered, consisting of many showy and useful varieties, suitable for cutting purposes and all kinds of decorative work. In the best possible condition. ❀ ❀ ❀

...BY ORDER OF...

F. SANDER & CO., ST. ALBANS, ENGLAND, and BRUGES, BELGIUM.

Illustrated Catalogue now ready. _____

BOSTON FERNS,

Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$20.00-\$25.00 per 100. Also fine plants in 5-6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100. \$4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, \$8.00 per 100.
Asparagus Sprengerii, 2-in., \$6.00 per 100.
Kentia Belmoreana, 2½-in. pots, \$10.00 per 100; 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00.

Send for Particulars.

BOBBINK & ATKINS
 RUTHERFORD, N. J.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2¼-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early From

Money Order Office,
 Sta H, Philadelphia.

EDWIN LONSDALE,
 Wyndmoor,
 (Near Phila.), Pa.

N B We have not changed our location, but the P O authorities have changed our P. O. facilities.

STRONG FIELD-GROWN PLANTS OF

Farquhar Violets.

Free from disease of any kind.
 \$5.00 per 100; \$50.00 per 1000.

JOHN MCFARLAND, North Easton, Mass.

Field-Grown VINGA VAR. VINES

Per 100
 First size, from 4 to 6 long vines to plant..... \$4.00
 Large size, " 7 to 10 " " " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

Smilax Plants. Strong, bushy plants from 2 and 2½-in. pots. Must sell to make room. \$5 a 1000, 75c a 100, cash. Write for sample and price on large lots.

R. KILBOURN, Clinton, N. Y.

40,000

Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—\$35, \$50, \$75 and \$100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....\$35 per 100 14 to 16 inches in diameter.....\$50 per 100
 12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...\$5 per 100 Strong 3 in. pots...\$8 per 100
Asparagus Sprengerii—2½ in...\$5 per 100 **Asparagus Sprengerii**—3 in...\$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....\$40 per 1000 Strong 4 in. pot plants.....\$15 per 100
 Strong 5 in. pot plants..... \$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....\$12 per 100
 \$100 per 1000.

Hybrid Perpetual—Large assortment of best forcing varieties.....\$10 per 100
 \$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

NEPH. WASHINGTONIENSIS.

of its size and durability it is an excellent plant for decorations, for specimens or for cutting fronds. Try one and be convinced. One large plant from 8-in. pot for \$2; smaller ones from bench, 15c and 20c, or 10 small ones for \$1, free by mail. Large, 6 ft. high and broad specimens, from 14-in. pots, \$10 each.

PALMS—**Kentia Belmoreana**, from 7-inch pots, 6 to 7 leaves; fine specimens, 5 feet high, \$4 each; 3 feet, \$2.50; 2 feet, \$2 each. **Lantana Borbonica**, 8-inch pots, 2 and 3 feet size, \$1.25 and \$1 each. **Scaevola Elegans**, 6 feet high, from 7-inch pots, excellent for decorating, \$1 each; from 6 inch pots, 4 feet high, 60c each. **Areca lutescens**, from 5-in. pots, 3½ feet high, 50c each. **Areca**, 2 feet size, 30c each. **Cocos Weddeliana**, from 4-inch pots, 15 to 18 inches high, 30c each.

All palms 10 percent less by the doz. or half doz.
FERNS—**Bostoniensis** and **Davallioides furcans**, fine, well established specimens, from 6 and 8-in. pots, \$7 & \$9 per dozen. **Exaltata** and **Philippensis** from 6 and 7-inch pots, \$4 and \$6 per dozen.

RUBBERS—Fine plants from 6-inch pots, \$4 per dozen 10 percent in plants added to every cash order of \$10 and over.

The giant of the **Nephrolepis Ferns**, grows in one season five to six feet in height, fronds 12 to 15 inches broad, of leathery texture and metallic lustre. On account of its size and durability it is an excellent plant for decorations, for specimens or for cutting fronds. Try one and be convinced. One large plant from 8-in. pot for \$2; smaller ones from bench, 15c and 20c, or 10 small ones for \$1, free by mail. Large, 6 ft. high and broad specimens, from 14-in. pots, \$10 each.

DRACAENAS—**Lindenii** and **Masangeana**, from 5 inch pots, beautifully colored, \$6 per doz. **Fragrans**, same size, \$3.50 per doz. **Terminalis** and **Fragrans** from 4½-inch pots, \$2.50 per dozen.
DIEFFENBACHIA—4½-inch pots, \$3 per dozen. **Maranta Febrina**, 3-inch pots, 50c per dozen. **Anthurium grande**, fine, 4 and 5-inch pots, \$2 and \$3 per dozen. **Pandanus Utilis**, 4½-inch pots, \$3 per dozen. Well colored **Crotons**, from 5-inch pots, \$3 per dozen. **Begonias**, **Rex** and blooming varieties, 5-inch pots, \$1 per dozen. **Jasmines** in variety. **Gardenia**, **Oranges**, **Allamandas**, **Clerodendrons** **S ephanotis**, **Hoya Carnosa**, 4 and 5 in. pots, \$1 and \$1.50 per dozen. **Umbrella Plants**, for 6 and 7-inch pots, \$1.50 per dozen; \$8 per 100. Also bedding plants in variety.

N. STUDER, Anacostia, D. C.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

...The American Florist.

Give It a trial.

Connersville, Ind.

C. A. Rieman now has a very fine range of glass, having recently completed a rose house 18x120, giving him a total glass area of 15,000 square feet. The new house is planted with Bride and Bridesmaid and the growth is very vigorous. Mr. Rieman has about 1500 chrysanthemum plants in good condition, the single stem plants being from three to six feet high, with fine foliage. He also has about 3,000 plants of the leading varieties of carnations, promising a fine cut in the near future. It is Mr. Rieman's constant endeavor to keep things up to date. This year, besides enlarging and repairing his glass, he put in a new thirty-five horse-power steam boiler and built a store, in connection with his greenhouses, at a cost of \$350, in which everything is conveniently arranged, including a dumbwaiter for cut flowers. Trade is already brisk. Mr. Rieman is also superintendent of City Cemetery.

LOCKLAND, O.—W. K. Partridge has completed a range of four new houses 200 feet long which are thoroughly modern in every respect and among the finest in the vicinity of Cincinnati.

ORANGE, N. J.—Popken & Collins have housed an unusual number of chrysanthemums in anticipation of increased interest in this flower from the prospective exhibition of school children's work. Their carnations are in good shape.

RUSTIC WORK FOR ALL PURPOSES
MADE TO ORDER..

In stock, the most extensive variety in the country. of Baskets, Window Boxes, Stands, Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO.,
19 Fulton Street, NEW YORK CITY.

SIGMUND GELLER

Importer and Mr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

Imported Prepared

CYCAS LEAVES

LOWEST PRICES.

RECEIVING REGULAR SHIPMENTS.

Florida Natural Products Co.,

P. O. Box 273, Indianapolis, Ind.

..PURE..

Sheep Manure.



Dry, pulverized, in car lots, \$8.00 per ton. Dry, but not pulverized, \$4.00 per ton. In natural or green state, \$1.50 per ton; f. n. b. cars, Kirkland, Ill.

ADDRESS

MONTANA FERTILIZER CO., Elgin, Ill., U. S. A.



Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)

"The kind that never fall apart."
If your seedman doesn't handle them,
order of us direct.

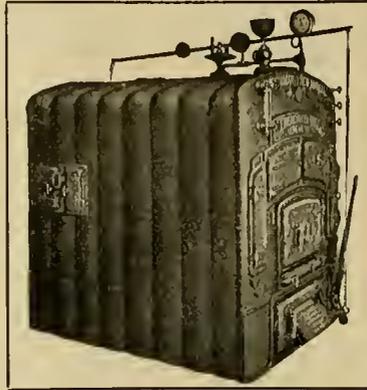
FACTORY AND OFFICE:
150-160 VEDDER ST., CHICAGO.
TELEPHONE NORTH 853.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for \$2.50. Without spraying valve, \$2.00.

The Hoss Connection Co., Klageton, R. I.

THE CONVENTION WINNER



The FURMAN BOILER
(NEW MODEL.)

Awarded the Certificate of Merit

— AT THE —

NEW YORK S. A. F. CONVENTION.

SUPERIORITY FOR

GREENHOUSE HEATING.

We make a specialty of Greenhouse Heating and invite your investigation of our system. Special Florists' Catalogue sent free upon request.

Heat your houses evenly and with economy. USE FURMAN BOILERS.

ADDRESS **THE HERENDEN MFG. CO.,**

20 Vine St., GENEVA, N. Y.

**IMPROVED GREENHOUSE
GLAZING • POINTS.**

A sure preventive of glass slipping, effective on large or small glass. ZINC WILL NOT RUST. LAST FOREVER. Easy to drive and easy to extract. Two sizes, 5/8 and 7/8-in. 40c a pound, by mail 16c extra. 1440 5/8 and 1040 7/8 in a pound; 7 pounds for \$2.50 by express.

FOR SALE BY

- HENRY F. MICHELL, Philadelphia, Pa.
- SCHEGEL & FOTTLER, Boston, Mass.
- Wm. C. BECKERT, Allegheny, Pa.
- INGLIS BROS., Brooklyn, N. Y.
- PITTSBURG CUT FLOWER CO., Pittsburg, Pa.
- VAUGHAN'S SEED STORE, Chicago, Ill.
- VAUGHAN'S SEED STORE, New York.
- VONNEGUT HDW. CO., Indianapolis, Ind.
- CARNEAL & DAVIS, Richmond, Va.
- ST. LOUIS, MO.

KIND WORDS NEVER DIE.

CHAS. T. SIEBERT: The 5 lbs. of zinc points you sent me are excellent; they are just the kind of a point we want. Very respectfully,
WM. BRUECKER, Florist.

CHAS. T. SIEBERT: In our 25 years' experience in glazing points of all kinds, I can say your zinc points are the best to date. CHAS. H. WILSON, Mgr. for Ella Grant Wilson, Florist.

CHAS. T. SIEBERT: Enclosed find M. O. for one lb. more zinc points the same as others sent. They are decidedly the best points we ever used. Respt. JOHN A. SMITHERS & SON, Florists.

CHAS. T. SIEBERT: Please find inclosed check for \$3.50, for which send me 10 lbs. more of your zinc points. To my way of thinking, too much can not be said in their favor.

Yours truly, E. HIPPARD.

CHAS. T. SIEBERT, MFGR.,
Stanton Ave. Station B, PITTSBURG, PA.
Please mention the American Florist when writing.



CYCLONE SPRAY PUMP
THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c; all polished copper, \$1.00. Cash with Order. Weighs, boxed, about 5 pounds. Buyer pays express.
STEVENS & CO., 107 Chambers St., N. Y. City.
Please mention the American Florist when writing.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, noked, 4 feet long, 6 clasps to each rod. Price complete (with green or white cornucopia vase) \$2.50. No. 2.—Heavy 4 ft. rod brassed and noked, with three clasps for 5 to 6-in. pots, each, \$1.75.
Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
1725 Chestnut St. Philadelphia, Penn

Nikoteen
Aphis Punk
It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabeura Dip Co.
St. Louis — Chicago.

IMP

LIQUID PLANT FOOD
For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

Möller's
Deutsche Gärtner Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Frfurt.
(GERMANY)

WE ARE READY

For the coming season with the most complete and comprehensive line of "Florists' Supplies" to be found in America.

Being one of the LARGEST IMPORTERS AND MANUFACTURERS of

Florists' Supplies

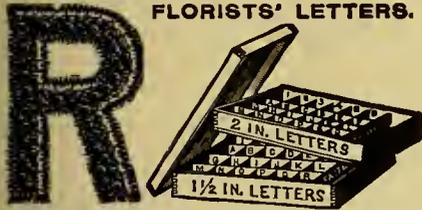
We invite every Florist to step in and see our stock, if at all possible, or write to us for our HANDSOME NEW ILLUSTRATED CATALOGUE, which will be found complete and up-to-date. A few of our specialties are

IMPORTED CYCAS LEAVES (dull and glazed), our FAMOUS WHEAT SHEAVES, IMMORTELLS, CAPE FLOWERS (all colors), NOVELTIES IN FANCY AND PLANT BASKETS, for every occasion; POT COVERS, PEDESTALS, and EVERYTHING that is needed by the trade will be found at "HEADQUARTERS."

M. RICE & CO., Importers and Manufacturers,
918 Filbert St., PHILADELPHIA, PA.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.
Please mention the American Florist when writing.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinières, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.
Please mention the American Florist when writing

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

HEADQUARTERS FOR

COCOA FIBRE, SPHAGNUM and
SHEEP MANURE, GREEN MOSS,
BONE all grades, RUSTIC WORK, all kinds,
IMPORTED SOOT, CLAY'S FERTILIZER.

DUNNE & CO., 54 West New York,
30th St.
HORTICULTURAL SUPPLIES.

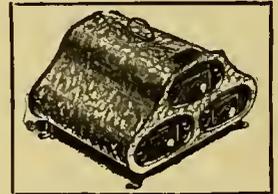
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAMES W. ERRINGER,
Gen. West. Sales Agent,
297 Wabash Ave., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

ESTABLISHED 1866

EMIL STEFFENS

SUCC.^{TO} N. STEFFENS.
AND STEFFENS BROS.



SMILAX STRINGING Made Easy by the use of
MEYER Green SILKALINE
JUST THE SHADE OF THE FOLIAE.
Samples and prices free.

JOHN C. MEYER & CO.,
80-84 Kingston St. BOSTON, MASS.
sale by leading Florists.

THE Regan Printing House

NURSERY SEED FLORISTS
CATALOGUES

87-91 Plymouth Place,
CHICAGO.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER And TOBACCO EXTRACTS.

Made for any sized steam pipe.
Write for price, also circular.
JENNINGS BROS., Olney, Philadelphia, Pa.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

New Jersey Floricultural Society.

At the regular meeting of the New Jersey Floricultural Society, October 3, Vice-president J. B. Davis occupied the chair because of the absence of President Peter Duff in Philadelphia. The essay committee had failed to provide a programme, so a question box was proposed and resulted in so much interest that it was voted to make it a permanent feature of each meeting. Resolutions were adopted expressive of the sympathy of the society in the death of President Duff's father. The matter of the forthcoming show and exhibition of school children's work was left to the executive committee to meet at the call of the chairman. An invitation was received and accepted to visit the H. A. Dreer nurseries at Riverton.

J. B. D.

MENOMINEE, MICH.—L. Zechetto, who was supposed to be doing a successful business, has departed, leaving letters to his creditors telling them that he expects to pay them eventually. F. C. Nowack has taken possession of the greenhouses and W. E. Kuhnle the store in the Odd Fellows block.

MINNEOLA, N. Y.—The horticultural display at the Queens-Nassau Fair the last week in September eclipsed all efforts of the kind ever made on Long Island. The principal exhibitors were John Lewis Childs, Wm. L. Swan, proprietor of the Seawanhaka Greenhouses; R. P. Jeffrey & Son, Ferd. Boulon, M. E. Titus and Wm. Rogers.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.
HOT-HOUSE GLASS A SPECIALTY.

INDEPENDENT OF ALL TRUSTS.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.



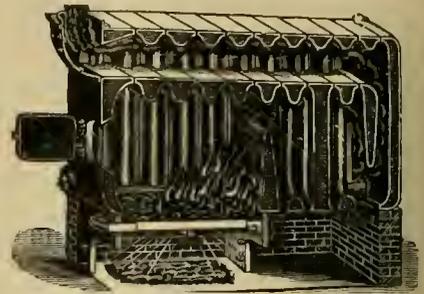
MY PICTURE AS A "KID."
(Presenting a rear view of a stern reality.)

When I was young, you will observe, I was very backward; but I have got over that, and now come to the front claiming to have the best WATER HEATER, VENTILATING APPLIANCE and SASH HINGE for greenhouse purposes, that are in the market.

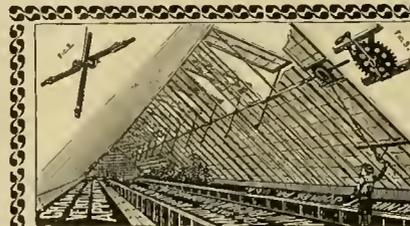
Furthermore, they are so simple in construction I can afford to sell them much cheaper than other styles.

Now florists, don't be backward in sending for a catalogue. Remember, when you find you NEED a thing, the sooner you get it, the more you will have for your money, again I say "DON'T BE BACKWARD," but "keep up with the band wagon." Let me hear from you AT ONCE.

J. D. CARMODY, Evansville, Ind.



AMERICAN CHAMPION BOILER.



EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....

THE CHAMPION VENTILATING APPARATUS

Catalogue is free. A postal with your name and address secures it. Address

COOLIDGE BROS., Florists,
So. Sudbury, Mass.



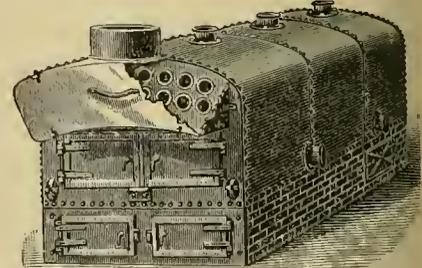
THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO.,
YOUNGSTOWN, O.

KROESCHELL BROS. CO. IMPROVED Greenhouse Boiler, 29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

THE SCOLLAY BOILER

"INVINCIBLE"

FOR GREENHOUSE HEATING.

Steam or Hot Water.

SEND STAMP FOR CATALOGUE.

JOHN A. SCOLLAY,
74-76 Myrtle Ave., BROOKLYN, N. Y.
Please mention the American Florist when writing.

24 harmonious combinations of 72 colors on our sample card. Send for one. It will help you to select colors that will beautify as well as preserve. They are practical. JOHN LUCAS & CO., Philadelphia, New York and Chicago.

Please mention the American Florist to our advertisers.

For Fall Trade



IF you wish to put your fall printed matter direct to the live names in the Florist, Nursery and Seed trades you should mail to the complete lists in the American Florist Company's Directory for 1900, fully revised to the day of publication and containing as new features lists of Private Gardeners, Landscape Architects, Experiment Station Horticulturists, etc. * * * * *

387 Pages. Postpaid, \$2.00.

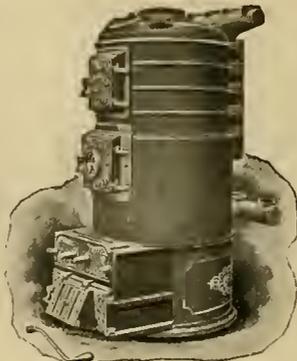


The American Florist Co.

324 Dearborn Street, Chicago, U. S. A.

Index to Advertisers.

Abbott John.....	364	Kift Robert.....	368
advertising rates.....	348	Kilbourn R.....	367
Allen J K.....	353	Kroenel Bros Co.....	370
Allen S L & Co.....	11	Kuenn C A.....	352
American Rose Co.....	352 11	Kuhl Geo A.....	365
Amling E C.....	351 390	Lager & Hurrell.....	359
Baller F A.....	356	Laekw Rose Garden.....	357
Barnard W W & Co.....	1	Lang Julian.....	353
Bar S Alfred.....	1	Langjahr A H.....	352
Barrow J G.....	350	Lee K & A.....	352
Bassett & Washburn.....	361	Lehman Bros.....	359
Bayersdorfer H & Co.....	359	Ley John H.....	359
Bentley & Co.....	359	Limprecht S J.....	353
Berkmans P J Co.....	353	Llewellyn E A.....	362
Berning H G.....	352	Lockland Lum Co.....	370
Beulleu H.....	11	Long D B.....	11
Binkunst Die.....	11	Lonsdale Edwin.....	365 367
Blanc A & Co.....	364	Lord & Burnham Co.....	1V
Bloom J S.....	359	Loven J G.....	350
Blue Hill Nursery.....	365	Lucas J & Co.....	370
Bobbit k & Atkins.....	367	Lynch W E.....	351
Boston Letter Co.....	369	McCarthy & Co N F.....	352 360
Brague L B.....	352	McFadden E C.....	354
Brinton W P.....	356	McFarland John.....	367
Brown Peter.....	364	McKellar & Winteron.....	359
Budlong J A.....	351	MacBean A S.....	362
Bunyard H A.....	350	Mader Paul.....	363
Burpee W Allee & Co.....	11	Marques L E.....	360
Byer Bros.....	363	Meyer John C & Co.....	359
Caldwell Geo O.....	360	Millang & Co.....	353
Caldwell the Woods- man Co.....	350 354	Millang Frank.....	353
Carmody J D.....	370	Moller's Gartner Zei tung.....	368
Chadwick Chas.....	362	Moninger J C Co.....	11V
Chicago Carnation Co.....	350	Montana Fertilizer Co.....	368
Chicago Home Wreck- ing Co.....	111	Moon Samuel C.....	365
Cincinnati Cut Flo Co.....	352	Moon Wm H Co.....	356 365
Clark Wm A & Son.....	367	Moore, Hentz & Nash.....	353
Cleary & Co.....	367	Morris Floral Co.....	366
Colee W W.....	362	Moss Geo M.....	352
Conard & Jones Co.....	365	Murphy Wm.....	360
Conlay Fol Co.....	363	Myers & Co.....	372
Coolidge Bros.....	370	Netschert Frank.....	356
Cottage Gardens.....	1	Niessen Leo.....	352
Crabi & Hunter.....	364	N Y Cut Flower Ex.....	353
Craig Robt & Son.....	357	N Y Cut Flower Co.....	353
Critchell's.....	360	Nesmore Isaac.....	362
Cunningham Jos H.....	360	Penock Sam'l S.....	352
Cunningham D O Glass Co.....	370	Pleason K B Co.....	354
Danley S T.....	364	Pittsburg Cut Flo Co.....	350
Davis Bros.....	363	Pollworth C C Co.....	350
Deamud I B.....	360	Prinne A G & Co.....	351 357
De La Mare A T Ptz and Pub Co.....	365	Quaker City Meh Wks.....	111
Detroit Flor Pot Mfy.....	366	Randall A L.....	351
Dietsch A & Co.....	372	Rauth Carl & Co.....	360
Dillon J L.....	369	Rawlings E I.....	364
Dorner Fred & Sons Co.....	357	Raynor J t.....	353
Dreer H A.....	363 111	Reed G asa & Paint Co.....	370
Dunne & Co.....	369	Regan Printing Hous.....	369
Eastern Chas.....	369	Reinberg Geo.....	351 362
Eichholz Henry.....	357	Reinberg Peter.....	351 362
Ernest W H.....	366	Reiser Walter & Co.....	1
Farquhar R & J & Co.....	366	Rice M & Co.....	359
Ferguson John B.....	352	Rodgers Alex.....	11
Finley Lawn Rake Co.....	372	Roiker A & Sons.....	11
Florida Nat Prod Co.....	368	Rustic Mfg & Con Co.....	368
Ford Bros.....	353	Salford Geo.....	353
Foster Lucius H.....	354	Sander & Co.....	365 367
Fryer E.....	364	Schenck S C.....	1V
Gardeners Chronicle.....	11	Schillo Adam.....	1V
Gardening Co The.....	11	Schmidt J C.....	363
Garland Geo M.....	111	Schmutz Louis.....	364
Geller Elmer.....	368	Scolay John A.....	370
Ghormley Wm.....	353	Sheridan W F.....	353
Gibbons H W.....	1V	Sibert Chas T.....	368
Giffin & Co.....	111	Shurecht & Son.....	1
Goodell L W.....	364	Situations & Wants.....	349
Gullett & Sons W H.....	359	Skabura Ltp Co.....	368
Gunter Wm H.....	353	Smith Nath & Non.....	363
Gurney Heater Co.....	372	Smurthwalte C A.....	11
Hasenburger Carl.....	364	Produce Co.....	111
Hall Ass'n.....	379	Soltan C.....	364
Hancock Geo & Son.....	360	South Park Floral Co.....	365
Hart M A.....	353	South side Flural Co.....	365
Heacock Joseph.....	365	Stani Chas B.....	352
Hels J B.....	365	Stearns Lumber Co.....	111
Heller & Co.....	11	Steffens Emil.....	369
Hennecke C Co.....	366	Stevens & Co.....	368
Herendeen Mfg Co.....	368	Stoolth H A & Co.....	11
Herr Albert M.....	364	Storrs & Harrison Co.....	367
Herrmann A.....	369	Studer N.....	367
Herron Dada R.....	360	Styer J J.....	11
Hews A H & Co.....	364	Sutherland Geo A.....	352
Hillbrger Bros.....	366	Sutton E B Jr.....	360
Hill E G & Co.....	1	Swahn Flor Mfg Co.....	368
Hippard E Co.....	370	Thorburn J M & Co.....	354
Hitchings & Co.....	1V	Traendly & Schenck.....	353
Holton & Hunkel Co.....	350 369	Vall Seed Co.....	354
Hooker H M Co.....	1V	Van Wert Green'ea.....	362
Horan Edw C.....	353	Vaughan's Seed Store.....	354 359
Hort Adv.....	11	Vick's Sons Jas.....	11
Hose Connection Co.....	368	Vincent R Jr & Son.....	365
Hubbard T S Co.....	356	Vredenburg & Co.....	11
Humfeld C.....	361	Watson G C.....	11
Hunt E H.....	371	Weathered's Sons Thos W.....	111
Invalid Appointee Co.....	368	Weber H & Sons.....	362
Indianapolis Flower and Plant Co.....	363	Weber & Don.....	11
Jackson & Perkins Co.....	356 364	Welland & Klach.....	351
Jackson E B.....	365	Welch Bros.....	352
Jacobs S & Sons.....	364	Whildin Pot Co.....	366
Jennings E B.....	364	Wietor Bros.....	351 362
Jennings Bros.....	369	Wilke S Mfg Co.....	1V
Johnson & Stokes.....	354	Withid The Geo Co.....	361
Joy & Son.....	359	Wood Bros.....	355
Kastig W F.....	352 369	Woodroffe & Bern- helmer.....	352
Keller Bros.....	366	Wood, Stubbs & Co.....	354
Keller Geo & Nod.....	363	Young Jno.....	353
Kellogg Geo M.....	352	Yong & Nugent.....	353
Kennfoot(H) Os Co.....	356	Zirngiebel D.....	364



Gurney

BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse

RELIABLE-DURABLE-ECONOMICAL.

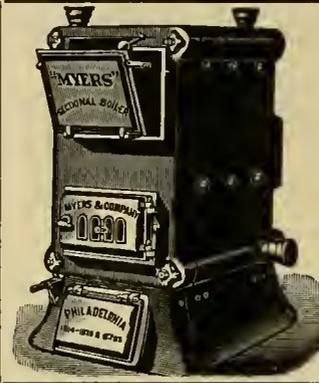
SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

GURNEY "400 SERIES" HOT WATER HEATER.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.

GREENHOUSE MATERIAL,

Cal. Red Cedar and Louisiana Cypress.

BEST GRADES, PERFECT WORKMANSHIP.

A. DIETSCH & CO., 615-621 Sheffield Ave. CHICAGO, ILL.

THOSE FALLEN LEAVES

CAN BE KEPT OFF THE LAWN WITH LITTLE EFFORT IF YOU HAVE A

FINLEY ROTARY LAWN RAKE.



The Finley Rotary Lawn Rake in Operation.

It picks them up and holds them until you are ready to deliver them to your burn heap or compost pile.

The wind can't blow them about after once raked. It does the work much better than the hand rake, and does it three times as fast. It takes up grass, either long or short, twigs and loose litter of any kind, stones included, that a hand rake would not touch. It will save its

cost in 60 days on any good lawn. Price, \$12.00. It was given a Certificate of Merit by the Society of American Florists at the New York Convention, the judges reporting that they "Believe it to be far superior to anything else in the market."

Send for Illustrated Circular.

FINLEY LAWN RAKE CO., Joliet, Ill.

SYCAMORE, ILL.—Elmer E. Boynton has very recently completed his season's additions and improvements to his glass. He now has seven houses with sixty-five horse-power boilers for heat. Most of his cut goes to Chicago.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI. CHICAGO AND NEW YORK, OCTOBER 20, 1900. No. 646

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.
PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.
Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BRATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.
OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.
Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.
Annual convention at Baltimore, February 21-23, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.
Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

Inventories for florists.....	373
And her Lonsdale wrinkle (illus.).....	374
Carnations up to date.....	374
Rose Soleil d'Or (illus.).....	375
Carnations—Present treatment for the plants.....	375
Keeping dahlias dwarf.....	375
Deceptive preparations.....	376
Variegated Asparagus Sprengerii.....	376
The use of shrubs in cemeteries (illus.).....	376
Heating with a flue.....	378
New York.....	378
Boston.....	379
Philadelphia.....	379
Chicago.....	380
St. Louis.....	381
Bradford, Pa.....	381
Utica, N. Y.....	381
Society of American Florists.....	382
American Carnation Society.....	382
Syringing with nicotine.....	382
Greenhouse building.....	382
Regulating a rose crop.....	382
The Galveston subscription.....	382
Boiler and piping.....	382
Coming exhibitions.....	383
Quincy, Ill.....	384
The seed trade.....	388
The nursery trade.....	390
Bridgeport, Conn.....	390
Our pastimes.....	392
Jacksonville, Ills.....	394
Denver.....	396
Washington.....	398
Cleveland.....	400
Buffalo.....	402

Inventories for Florists.

I have found the best time in which to take an inventory is at the close of our business year, which is June 30, at which time our stock has been almost all planted in the field. We prefer to take our inventory after our stock has been planted out, as at the time of planting out we go through our annual cutting down and discarding of varieties which have been out-classed and fallen behind as commercial sorts. In setting out plants for stock purposes we also cull the stock thoroughly, discarding those plants which we do not consider in sufficiently good health for propagating purposes. An inventory can be taken at any season of the year, and it will show the comparative conditions of the business, provided it is taken upon the same date each year. We find it advantageous to take it after our spring rush is over, and also after the heavy labor of planting out our stock is done.

Mr. Rudd's statement that stock should be inventoried at the exact amount which it cost to produce up to the day the inventory is taken is correct, although this is a difficult matter to determine. Our method in inventorying is to take into consideration the selling value of the plant to some extent in determining the price at which it should be inventoried. Where we are producing new seedling plants, sometimes cultivating an acre of seedlings out of which we get perhaps two hundred varieties to carry on for trial, and the second year cutting these two hundred varieties down to four or five, it is quite difficult to determine closely what the stock of that seedling has cost to produce. Naturally the stock of a new seedling carnation which is considered sufficiently good to be introduced should be inventoried at a considerably higher figure than the stock of a common variety, such as Scott and McGowan. In order to show the value of stock in an inventory some regard should be paid to its selling value as well as to its cost of production; in many instances manufacturers are compelled to inventory large lots of goods at very much less than what they cost to produce, for the simple reason that the stock will not sell for the cost of production.

I would also agree with Mr. Rudd in estimating the depreciation on greenhouse buildings, even of the better class, as five per cent per annum. The depreciation on the average factory building and machinery is frequently computed at ten per cent per annum. I do not believe

any factory computes at much less than five per cent, and I would consider a greenhouse nothing more nor less than a plant manufacturing establishment. Of course houses built very cheaply and which are not calculated to last more than seven or eight or ten years should be charged up with a depreciation of not less than twenty to twenty-five per cent per annum. I think that Mr. Rudd's method of finding what it costs to maintain a square foot of bench space during each month is a good method, as, having the said cost, by charging up to any plant produced the space occupied by that plant during its period of production, at the price which it costs to maintain said bench space, would give the approximate cost of the plant after the items of general expense had been added to that cost. Probably the best and shortest way to secure a fair estimate of the cost of producing plants is to ascertain the cost of maintaining the square foot of bench space during the winter months—that is to say, November, December, January, February, March and April—and then to charge up the average price per month against said space. It will, of course, be assumed that it costs more to carry plants during the months of December, January and February than it does during the months of November and April, but if the cost is averaged through the six months one will get near enough to the actual cost for all practical purposes. The same thing could be done for crops produced during the summer months, as at that period everything would be grown practically without the use of fuel, excepting stove and other tropical plants, and in these the cost of fuel would be so light that averaging it throughout the six summer months would bring a result sufficiently accurate for all practical purposes.

Many of the smaller florists who are assisted in their greenhouse work by members of their own families are liable to underestimate the cost of production seeming to think that if their sons George or Henry, and their daughters and wives do a certain quantity of work in the greenhouses, that work is clear profit. This is a false method of reckoning. Every bit of work performed in the greenhouses by the florist himself, as well as by the members of his own family, should be charged against the cost of producing the plants at fair wages for the services performed. Any florist who deprives his children of a portion of their educational advantages in order to get the benefit of their services in the greenhouse is cor-

ducting his business at a loss if he does not compute these services at a fair ratio in estimating the cost of producing the commodity which he sells, and who is not able to sell his produce at a fair profit above the cost thus computed. The fact that his family works in the greenhouses and that he is saved thereby from hiring a man does not benefit him in the least unless he sells his product at a price sufficient to cover the value of the services of his family, but on the contrary he is depriving his own family of advantages to which it is entitled, and is actually making a present of the products of his own family's labor to his customers.

There is another item entering into the cost of producing and selling plants which is frequently overlooked, and that is, unsold stock at the end of the season, which must be destroyed or lost. If a florist produces 50,000 plants, sells only 40,000 of them and is obliged to lose the remaining 10,000, the entire amount which it cost to produce the 50,000 plants should be charged up as the cost of producing the 40,000.

C. W. WARD.

Another Lonsdale Wrinkle.

Edwin Lonsdale uses a little contrivance for holding up his steam radiator pipes that seems destined to become universal. The usual cast iron fixture has the objection that if not put up perfectly true the pipes, in expanding and contracting, are apt to grip the rest and gradually loosen the fixture from its fastening. Mr. Lonsdale's appliance consists of a six-inch wire nail and a piece of a 1/4-inch iron pipe two inches in length slipped over the nail from the point. The spikes are then driven into the wall posts at an angle, so as to prevent the steam pipes from slipping off. The small pipes fit loosely on the spikes and act as rollers, turning readily as the steam pipes expand or contract. With these spikes it is easy to get the pipes to a perfect grade. They are also very cheap. Altogether it is a handy and useful device.

K.

Carnations Up-to-Date.

[Read by Wm. Gammage, of London, Ont., at the Montreal convention of the Canadian Horticultural Association.]

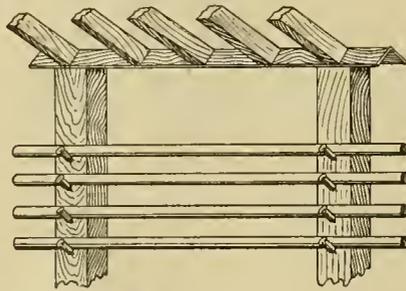
Carnations have been divided into several distinct classifications and to describe each would require volumes. It was not until the nineteenth century that particular attention was paid to growing carnations, although in the early part of the sixteenth century the development began to attract the attention of historians, and the gardeners of that date contributed numerous improved varieties. It is said that in the early part of the nineteenth century the artificial means of developing the flowers, as then practiced, by what is known among English gardeners as dressing, removing all imperfect and superfluous petals with a forceps and arranging the remainder in a formal manner, had much to do with its downfall, as from about the middle of the century little is heard of it until within a comparatively recent date.

To come down to the present times and the varieties which will interest you most, the work of improving the carnation has gone steadily forward. It was about the year 1840 that Delmais, a French gardener, produced the variety from which was developed the carnation as grown to-day. Its improvement was followed up by M. Alphonse Algatiere,

who, by his skillful crossing, obtained a number of fine varieties with stiff stems. These received the name of tree carnations.

In 1866 a number of varieties were imported from Europe by Messrs. Card, Zeller and Dailedouze. The varieties were La Purite, Pres. Degraw, Edwardsii and a variegated La Purite. These were grown for a number of years as pot plants for summer and winter flowering. At what date the bench system of growing was adopted, I am not prepared to say, but, from personal recollections, I would estimate that it has not exceeded twenty years. At about that date we find such varieties as Grace Wilder, Buttercup, Peter Henderson, Hinze's White, Morocco, Hinsdale, La Purite, Degraw, Edwardsii and Snowden were the principal ones grown. Disbudding had not been practiced to any extent and carnations with stems from two to four inches long were, with few exceptions, the only ones to be had.

We have but little conception of the interest which was created in the work of improving the carnation by the discussions and essays published in the early days of our present trade papers. It was through their influence and the



LONSDALE'S PIPE SUPPORT.

practical lessons taught that many who had but indifferent success took up the work and became not only successful growers, but have contributed many new and meritorious varieties.

It was not until the year 1891, when Daybreak was sent out, that Grace Wilder found its first real rival in a light pink. Until the present year, although it has had many competitors for honors, Daybreak has been able to hold its own. But now, with the advent of so many light pink varieties with improved flowers and better constitutions, it, too, will have to stand aside. At the present, with so many meritorious varieties, one is somewhat puzzled to know what to grow. While there will always be a demand for ordinary stock, for comparison, say Scott and McGowan, the demand for a higher grade and better quality will also have to be met. However, each individual grower will have to govern himself according to his market and conditions for growing. To try to grow varieties that do not succeed well in some localities, or to try and grow high grade flowers in rickety, ill ventilated, poorly lighted, old houses is, to say the least, working at a disadvantage.

The advance in the methods of cultivation has kept pace with the improvement in varieties. To-day we find whole ranges of houses built in the most substantial manner, devoted entirely to the production of the carnation. There are thousands of people employed in this industry and the value as a commercial product is of no inconsiderable amount.

To mention even the varieties that have proved of greatest commercial value during the last ten years would take up too much time. Certain it is that some varieties do better in some localities than in others, but where a variety is not successfully grown it more often happens that the grower does not understand the requirements of that variety, as the surroundings are not congenial; in such cases the value of experimenting cannot be too strongly urged.

With the advanced methods and constant experimenting, the system of growing has undergone an almost complete evolution in the past five years. With the permanent and substantial structures, the raised bench system is gradually giving way to the solid, or where the site will not permit of the natural soil, the tile bed. The advantages of this system and indoor summer cultivation are easily seen when we compare the quality of the high grade flowers produced now, and those of five years ago with the same varieties.

The substance and keeping qualities of carnations are governed almost wholly by cultural methods. Those grown in a high temperature and liberally fed with liquid manure will invariably have large flowers with weak stems and go to sleep as soon as you place them on the counter, while those grown in a lower temperature, the manure incorporated in the soil, not over-watered, are of a quality that it is a pleasure to offer a customer.

Again, the keeping qualities of carnations are very much affected by the treatment they receive immediately after picking. We have found that the best place to, so to speak, cure them in, is a light, dry room, a few degrees cooler than the temperature in which they were grown. When so placed for twenty-four hours before shipping or taking to the store, they will keep from five to ten days and give good satisfaction to customers where the same flowers put immediately after picking into an ice box or taken to a warm room will not last over two days.

The varieties are now so numerous that to make a selection and say what is the best or most profitable to grow would be next to an impossibility, for what we consider the best one season, is very often completely eclipsed the next. However, to the grower who retails his own flowers, I would suggest the following varieties: For white, Mary Wood, White Cloud, Flora Hill and McGowan; for red, G. H. Crane, America and Jubilee; for pink, Victor, Melba, Scott, Mrs. Joost, Lady Van Horn and Daybreak; for crimson, Gen. Gomez; for yellow, Mayor Pingree and Eldorado, with Mrs. Bradt for a variegated. The above will give a good collection and with skillful growing can be had in bloom from September to September.

How many of the introductions of 1900 will prove to have all the merits claimed for them by their introducers it is, at this early date, premature to say, but a few notes on their present appearance will not be out of place. Lady Van Horn, field grown, has an ideal growth, it has made the best plants of any we are growing this year. Next to it Ethel Crocker has made a very satisfactory plant. Genevieve Lord, too, is doing nicely. Olympia has not made as large plants as I would have expected, considering the strength of the young stock. The Marquis and Mrs. Lippincott were indoor grown; they have made good,

strong plants and will no doubt give us some very fine flowers later in the season.

With us this season has been a favorable one for field cultivation. Ordinarily plants would not be as large a month later as they were at mid-August, so that a comparison between indoor and field cultivation this season would be no criterion to go by. This season we are experimenting on indoor cultivation, with some twenty varieties, planting at different dates, but it is yet too early to pass an opinion, and I hope at some near future date, when this association holds a winter carnation meeting, to be able to give you a more practical paper, embracing the results of our experiments.

Rose Soleil d'Or.

The accompanying illustration has been prepared from a colored plate which appeared in the *Journal des Roses* of last June. For description, etc., see the article entitled "A Noted French Rosarian," page 342 of our issue of October 13.

CARNATIONS.

PRESENT TREATMENT FOR THE PLANTS.

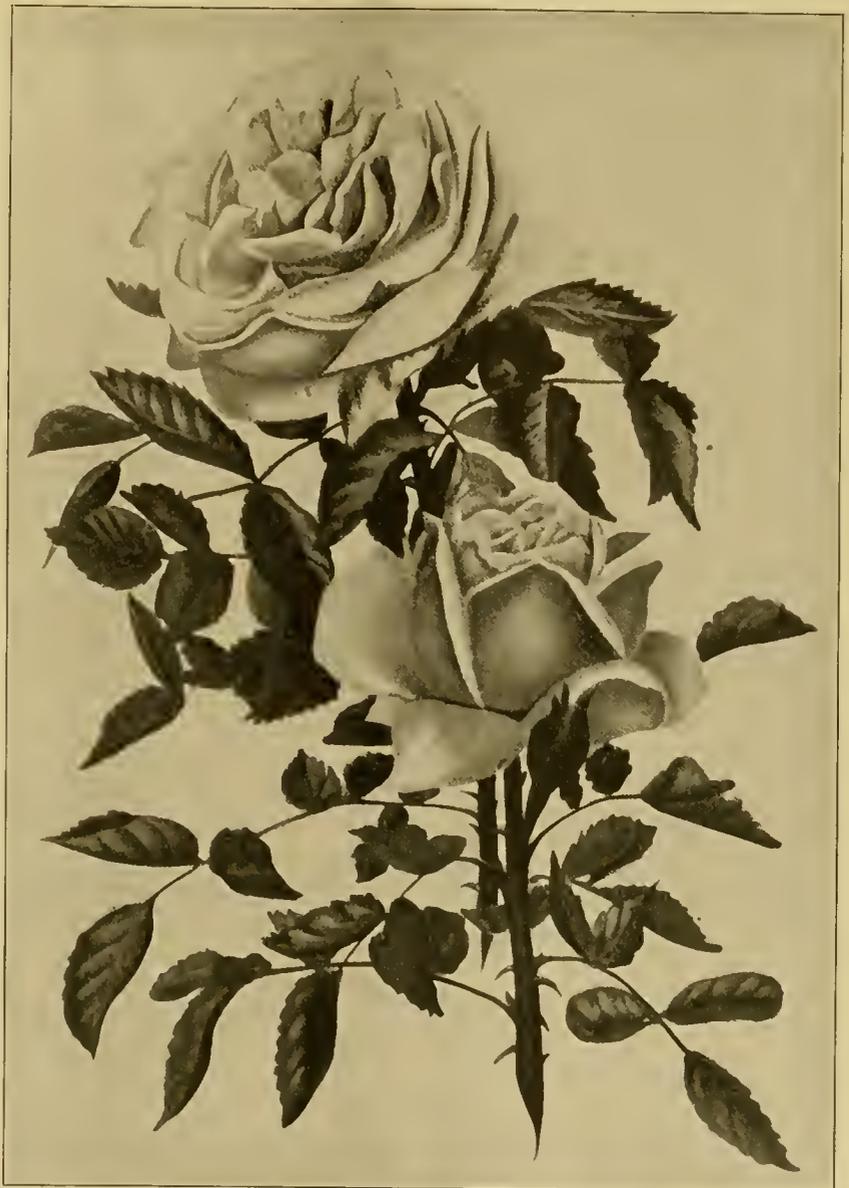
There is no time so suitable as the next four weeks in which to get your carnations into good shape for the holidays. Chrysanthemums have the call and there is no use in crowding the market with second-class carnation stock. Plants housed between August 10 and September 10 ought, if they have been properly treated, to now be in good health and well established. Such plants can stand a little trimming up and be all the better for it, but if from any cause your plants are not in good growing condition do not cut any wood from them.

Go over the houses carefully to see that every shoot intended for flowering is growing straight, to make a good stem, and cut all weak shoots out to give the stronger ones the advantage of additional light and air.

If the plants are heavily set with buds that will open during the chrysanthemum season, thin them out fully one-half. By this I do not mean disbudding; all good growers do that. What I mean is that where a plant has ten long-stemmed buds that will open during chrysanthemum season, five of them should be cut out, and where a plant has five such buds two or three of them should be cut out, leaving those which promise to produce the best flowers. This gives better flowers and flowers that will sell in competition with any other flower that grows. Moreover, if the half crop does not bring in as much money as the full crop would have done, you are storing up strength in your plants for their winter's work and that is better than a few extra dollars now.

Do not let any "Tom, Dick or Harry" do this trimming up. Do it yourself or have it done by someone who understands the habits and requirements of carnations. Too often carnation houses are turned over to employes who do not understand plant life and who consequently do not note the gradual retrogression of the plants until they have gone so far as to be beyond getting them back into a state of vigor that will enable them to produce first-class flowers before the end of the season.

The successful carnation grower will look after his carnations as carefully as an engineer will look after the steam in his boilers. Constant examination of the plants now will enable you to learn the



NEW ROSE SOLEIL D'OR.

requirements of the different varieties and you can govern their winter culture accordingly.

Some growers put heat into their houses too early; others delay it too long. There is no iron-clad rule to adopt, but a pretty safe one to follow is to leave ventilation on both day and night so long as the temperature outside does not fall below 40° and to keep heat out of the houses so long as the temperature in the houses does not fall below 35°. Of course a continued temperature of 35° would be injurious, but where it lasts only for one or two nights and then turns in warm again it is better to keep the heat out of the houses altogether rather than fire up one night and not fire the next. This treatment may give you a few hursted calyxes but that is better than to soften up your plants with heat and force them into bloom when flowers are not wanted. ALBERT M. HERR.

Keeping Dahlias Dwarf.

There are several methods of keeping dahlias dwarf without checking their growth and we follow a number of

plans, one in conjunction with the other. In the first place, we do not make our ground too rich in the beginning. Secondly, as soon as the shoots appear, we pinch them out, which is known as the single pruning system. Of course we remove all but the strongest. Then we stir or cultivate the soil very deeply, in many cases from four to six inches. This is really root pruning, and while it does not check the growth of the plants it checks the rapid growth. As soon as the plants commence blooming we cultivate lightly, only one to one and one half inches deep. This gives the full strength of the soil to the plant and the flowers are consequently large and are produced in quantities. When the flowers commence to get smaller we top-dress the soil with pure bone meal, four parts of the meal to one part nitrate of soda. This top-dressing we renew as often as the flowers show that it is needed.

In regard to pruning the plants, I would say that all we do is to remove all the shoots but the one strongest in the beginning. You then have but one strong, sturdy stem. All the pruning we do after that is to cut the flowers and, as

we keep cutting out the tops of the plants in cutting the blooms on good stems, the lower shoots develop and bloom. This materially keeps the plants low and dwarf. This, of course, is in open ground or field culture.

If plants are grown in a garden or anywhere where they cannot get plenty of pure air and sunlight, I doubt if this system would be satisfactory. In other words, without plenty of air and sunlight the plants would grow tall and would have to be staked.

L. K. PEACOCK.

Deceptive Preparations.

A recent mail brought from Fort Worth, Tex., the letter reprinted below, which was submitted to L. H. Bailey, Professor of Horticulture at Cornell University, and to Prof. Albert F. Woods, of the U. S. Department of Agriculture, Division of Vegetable Physiology and Pathology, whose opinions are subjoined:

Probably the greatest obstacle to the success of those who are engaged in horticultural pursuits throughout this country is the damage inflicted on trees and plants by the almost countless number and variety of insect pests, against which they have to wage eternal warfare. Hardly a plant or tree but that is susceptible to the ravages of some insect enemy. The most effective remedy now in common use is a mixture or emulsion of one kind or other which must be administered by spraying. While this method is useful and has been the means of saving many crops of fruit and vegetables that would otherwise have been lost, it must be admitted that the process is somewhat slow, cumbersome and troublesome.

The writer, like many others, has long felt the need of something not only more effective, but more easy of application than spraying, and now after five years of constant study and over three years of experimenting, believes that something has been found, which is destined in the near future to supersede spraying and fumigating to a great extent, if not altogether. This preparation or antitoxin, as it might be called, will destroy all sorts of insect pests, especially scales that infest maple, box elder, different varieties of palm, pandanus and many other plants. As for the San Jose scale, we have never seen a tree infested with it, but presume it is about the same as the scale that infests the above mentioned, and if so, the antitoxin spoken of will certainly destroy it.

The preparation referred to is not only a perfect insecticide, but is also a plant food, and will show its effects on the growth very soon after application. This antitoxin is prepared in powdered form, a small quantity of which is inserted into an incision in the bark of the tree. It is also prepared in liquid form for application to the

roots of cabbages, tomatoes and other vegetables. In each case the antitoxin, so called, is absorbed by the tree or plant, and insects attacking same, after it becomes inoculated with the preparation, are soon destroyed.

The writer realizes that the assertions above are pretty broad, but they are made in full confidence of his ability to demonstrate their correctness. We have thoroughly tested this preparation in our nursery and orchard grounds here until we are fully satisfied and in addition have testimony of local vegetable and fruit growers, and other citizens engaged in horticultural pursuits, who will testify to its merits.

We expect in the very near future to put this preparation on the market and advertise it through the proper mediums. Before doing so, however, we desire further tests from fruit and vegetable growers and horticulturists throughout the country, in order that these tests may be made under as many different conditions, climatic and otherwise, as possible. To this end, we will be pleased to furnish any of said parties who will send their address and a couple of stamps to defray postage, with sufficient of our antitoxin to treat five trees, together with full directions for use. We want to hear from earnest, practical men who will test the remedy fairly and according to directions. Furthermore, would say that we should be glad to have a few specimens of small branches of trees infested with this San Jose scale, and if a limited number of your readers will kindly mail us a branch, we will, in return, mail them enough antitoxin to treat five trees.

Holding ourselves at your disposal for any further information on this subject, which is of the most vital importance to all who are engaged in orchard and garden enterprises, and thanking you in advance for the courtesy of publishing this letter, we are, etc.,

Albert F. Woods

ED. AM. FLORIST:—Every now and then some one devises a process of putting some kind of poison or preparation in the trunk of a tree, expecting that the sap will take it up and kill all the insects and diseases which infest the plant. There is no recorded scientific experiment, however, to show that this is possible without killing the plant at the same time. As a matter of fact, plants will rarely take up any injurious compound in sufficient quantity to destroy the pests. If it did, it would probably destroy itself. For myself, I should have no faith in such recommendations. L. H. BAILEY.

ED. AM. FLORIST:—I will say in regard to the document which you submitted, that all remedies of the kind mentioned

have proved worthless. A few years ago a great many people were taken in by a similar remedy for the elm-leaf beetle. Any substance which inoculated into a plant would kill an insect would kill the plant also. In our opinion, therefore, there is absolutely nothing in the so-called "antitoxin."

ALBERT F. WOODS.

Variegated Asparagus Sprengerii.

"Among the sowings I make yearly of Asparagus Sprengerii there are always several seedlings with more or less variegated foliage," writes R. Koemann in *Moller's Deutsche Gartner-Zeitung*. "I have always made it a practice to save these variegated seedlings, but I soon found that they never thrived, no matter how well treated, and never attained the growth and vigor of the green stock. Among the seedlings of last June's sowing appeared a colored plant that soon demonstrated right after it was potted that it possessed as much vigor as the green plants. I therefore took particular pains with it, by frequent repotting into rich soil and with an occasional application of liquid manure. The coloring of the leaves having rather increased than decreased since then, I presume it will remain constant. The greater part of the foliage is green and white, only a few of the shoots being entirely white. The plant is as healthy and vigorous as any plant of the green type. For the present this new plant is hardly of great value, since propagation by cuttings is impossible, and so the only means of increase would be by division or from seed. It is very doubtful whether the percentage of variegated plants from seed is very large. The plant is at present in full bloom on nearly all the branches."

The Use of Shrubs in Cemeteries.

[Read by O. C. Simonds, of Graceland Cemetery, Chicago, before the fourteenth annual convention of the Association of American Cemetery Superintendents, Cleveland, O., September 11-13, 1900.]

The reports of our meetings show that during recent years the subject of shrubbery has been neglected. In fact, judging from many of the cemeteries which our association has visited, one would think that the shrubs themselves were very little appreciated. Undoubtedly the removal of fences, hedges and railings and the substitution of grass walks for those of other materials is a movement in the right direction, but in confining the features of a cemetery to grass, trees, roads and monuments is there not danger of producing an effect of baldness and monotony? We have been in some burial places where the whole area included within the boundaries could be seen at a glance and a multitude of stones would obtrude themselves on our attention, and then the naked trunks of trees would fill the view with vertical lines. Some low foliage, hiding portions of the roadway and at least nine-tenths of the monuments, would have made a wonderful improvement in the appearance of the grounds. We come here to learn how to make cemeteries beautiful. Nothing will help us more than an abundance of good, healthy-looking green leaves. Foliage adds as much to the beauty of a landscape as plumage does to the beauty of a bird.

To make a cemetery attractive and interesting in appearance the attention must be confined to one object at a time by shutting other objects out of view. By so doing the changing of one's position brings new features into sight. In



WILD VIOLETS UNDER MAPLE AT GRACELAND CEMETERY, CHICAGO.



A VIEW IN GRACELAND CEMETERY, CHICAGO.

this way we are attracted from one object to another and our interest in what we are looking at is maintained. It follows, therefore, that masses of shrubbery covered with foliage reaching from the ground to points above the eye are exceedingly useful in producing the desired effect. It sometimes happens that trees with foliage coming to the ground serve the same purpose as masses of shrubs, but in too many cases the lower branches of the trees have been cut away.

The hiding of certain objects, however, is not the most useful purpose served by shrubs. They are beautiful in themselves. What is more pleasing to the sense of sight and the sense of smell than a great mass of lilacs when in bloom? How delicate in color and fragrance are the pink and white flowers of the Tartarian honeysuckles! How graceful are the curving branches of some of the spiræas when weighted down with a profusion of clusters of white flowers. But I think the beauty of the various shrubs, although surpassing one's powers of description, yields in importance to the part which they serve in making artistic compositions. They make the most pleasing boundaries of lawns, forming a background in one place, carrying a point of foliage forward in another, so as to give a prominent point of light in contrast with deep shade, and everywhere varying the outline so that it is as beautiful as the margin of a summer's cloud. The effect of shrubs as seen in moonlight, when their color is for the most part lost, shows their fundamental value, but a

strong light, which brings out the variety of color, helps to complete the picture.

I have spoken of masses of shrubs, but we sometimes see them dotted about upon the lawn in a way to weaken the general effect. And even in masses, too great a variety is frequently used. A large group of one kind of shrub is generally very satisfactory and if two kinds are used they should not be mixed so as to produce a spotted appearance, but each kind should predominate in its own part of the group. Only such shrubs should be planted as prove hardy in the locality in which they are used. I have read that there is no country more abundantly supplied with shrubs than the United States, and none where the climate is more favorable to their growth. We certainly have enough native shrubs to make any locality as beautiful as the fairest park. I have seen prairie roses make a ravine in which they were at home more beautiful even than the "wooded island." How attractively the elderberries fill out the corners of a rail fence, and how beautiful are the viburnums and dogwoods, to say nothing of the evergreen shrubs of New England and the Alleghenies. All shrubs which make the country so beautiful are certainly appropriate in a cemetery.

It is sometimes said that there is not space enough for shrubs in a cemetery and I have even known rules to be adopted prohibiting their use, but there is room enough for anything that people like. People wish to place their dead among most beautiful surroundings and, with those who can choose, the general

effect is the first consideration rather than a given amount of space. The people who spend fortunes in erecting ugly stone tombs would not hesitate in securing all the space required for any tree or shrub or any combination of such beautiful objects if they could fully appreciate them. Shrubs can usually be placed along the boundaries of cemeteries, the margins of ponds and in acute angles of lots or sections without taking any space that is valuable for other purposes. Sometimes they can be placed about the trunks of trees with good effect. I know of no reason why they should not occasionally be allowed to grow directly over a grave. We might think of them as reaching out their branches to protect a spot that is sacred. They would form a place of refuge for the birds whose music would continue to bring cheerfulness each spring for a period longer than a granite monument will last.

A group of shrubs should form a complete ground covering; that is, the foliage should meet the lawn and no attempt should be made to grow grass underneath the branches. Usually no trimming should be done after the plants are once established. It is a mistake to trim up shrubs. If they get too high or too broad, the longest branches should be cut at the ground. If this treatment produces a bush that is too straggling perhaps the whole shrub should be cut to the ground and allowed to sprout again.

It is also a mistake to rake the leaves from underneath a group of shrubs. The fallen leaves always look better than the

bare ground during the late fall, winter and early spring, and in summer they are not seen. They conserve moisture and furnish plant food. They will also protect certain early spring flowers which naturally find a home near shrubs, out of reach of chilling winds, such as snow-drops, crocuses, bloodroots, erythroniums, trilliums and hepaticas.

Frequently the greater portion of the shrubs needed for boundaries and margins of ponds can be taken from the surrounding country. The panicked dog-wood with its rich foliage and white berries on little red stems, the red-branched dogwood, the witch hazel, the viburnums of different kinds, the common hazel, the elderberries, both the red and the black-berried species; the spiræas of different kinds, the chokeberry, the different sumachs, varying in size from the small, aromatic form to the staghorn which is almost a tree; the prairie, swamp and meadow roses, and the New Jersey tea are examples of attractive shrubs that are found almost everywhere in the northern states. In favored localities the evergreen shrubs, including the rhododendrons and laurels, make a beautiful addition to the list. But, of course, we should take advantage of the beautiful shrubs that come to us from other countries. The forsythias, covered in spring with a profusion of yellow flowers, the Japanese quince following with bright red flowers, the honeysuckles, lilacs, syringas, spiræas, viburnums, roses, barberries, etc., that fill our nurseries are all delightful and should be used in abundance.

If I should make but one suggestion for beautifying our cemeteries, it would be to use more of these smaller, woody plants which clothe the ground so attractively and feast the eye with a profusion of flowers, leaves and fruit, and which even in wintertime soften the outlines of a landscape and often catch and hold the snow in a delightful way. They are as important in the real pictures which we try to form as children are in the family. Let us use them with boldness, creating broad, quiet effects, and by so doing make the cemeteries more truly resting places.

Heating With a Flue.

ED. AM. FLORIST:—I would like you to tell me the best way to build a brick flue to be heated with soft coal. I have a house 16x60 feet, three-quarter-span-to-the-south, fifteen feet to the ridge, and will devote it to carnations and general stock. I intend to add two more houses next spring and will then put in steam heat.

SUBSCRIBER.

In building a flue for greenhouse heating the arch or furnace should be placed at one end of the house, with the doors opening into the coal shed. For a house 16x60 feet the grate should be about two feet square, and the fire pot and ash pit should be constructed much the same as the fire box and ash pit for a horizontal tubular boiler, except that the roof will have to be arched over or supported by iron bars. The first twenty-five feet of the flue should be of fire brick, and about twelve by eight inches inside, except that the upper courses should be slightly drawn in so that it will not be over six inches wide at the top. The furnace should be sunk, with the top about level with the surface, and the flue should connect, at the rear end, with its upper surface even with the top of the heater, so that there will be no chance for the gas to pocket. The furnace should

be located at the center of the end of the house and the flue should be carried with a rise of one-inch in five feet, and at an angle of forty-five degrees, under the walk, to a point beneath the center of the side bench, when it should run parallel with the wall around the house to a point six feet from the end where it started, when it should turn and run to the chimney, which should rest upon the side wall of the furnace with an opening into the fire pot. A slide should be provided so that the direct draft can be closed after the fire has been well started. All except the first twenty-five feet of the flue may be of 10-inch glazed sewer pipe, but care should be taken that the joints

approved specimens of approved varieties. The first flowers to suffer from the effects of the incoming chrysanthemums are the carnations, which have dropped in value considerably, and top grade American Beauties, for which the outside price is \$20 to \$25 per hundred, and that obtained only with more or less of a struggle. Violets are still moving very slowly, with no indications of any immediate promotion. Cattleyas are entirely too plentiful and have this week touched \$10 a hundred in quantity, an unprecedentedly low figure. Nobody looks for any permanent improvement in business until after election.

Politics, for once, seems to have done



AVENUE AND PLANTATIONS IN GRACELAND CEMETERY, CHICAGO.

are properly cemented and well-supported. There should be no wood-work in contact with the furnace or flue.

L. R. T.

New York,

MARKET DEMORALIZED AND NO PROSPECT OF BETTER CONDITIONS UNTIL AFTER ELECTION. — CHRYSANTHEMUMS TAKE POSSESSION. — POLITICS A GOOD THING FOR THE CARNATION. — PERSONAL JOTTINGS.

Up to Friday of last week business was generally satisfactory, everything considered, but about that time shipments of flowers to this market increased greatly in volume and, a rainy Sunday intervening, conditions were such that considerable loss of stock was inevitable and so prices were wrecked. Another cause of the broken and unsatisfactory market existing at present writing is the appearance, in full ranks, of the chrysanthemum host, and so it is reasonable to look for a continuance of this demoralizing influence for at least a month to come. Bergmann, Montmort and such premature varieties are already back numbers and not worth the price of asters since Polly Rose, Glory of Pacific, Yellow Monarch and White Monarch have taken possession. As to prices they range from \$6 to \$25 a hundred for

a service for the flower trade, the booming of the carnation as a campaign emblem having given that flower a boost that will undoubtedly affect favorably its fortunes throughout the entire season. Absurd stories as to the expenditure of many thousands of dollars for carnations for the coming demonstration in this city have been circulated and accepted without question by people in the trade and out of it, but the truth of the matter is that the carnations for that affair, some 30,000 to 35,000 are to be contributed, as stated in our New York notes last week, by the florists, to be donated to the dry goods division of the parade. Those of dark color, regardless of actual name of variety, will be known as Roosevelts and the lighter pink in like manner will be called McKinley, it being manifestly impracticable to provide that number of any one of the newly introduced varieties. C. W. Ward is "the man behind the gun" in this movement and is putting it through with characteristic thoroughness and enterprise.

The Fernery, Miss C. Tucker proprietor, which has been located for two years on Lexington avenue, is to be reopened in a fine store on West Thirty-third street, opposite the Waldorf-Astoria.

Carnation plant dealers are highly elated over the business of the present

fall. In fact, some have found the demand far greater than their resources and have been obliged to draw upon the neighbors for stock to fill orders. There is practically nothing salable left in the hands of any good grower who has properly advertised his stock.

Henry Butler, who has been critically ill for several weeks, died Thursday evening, October 18. He has been located for many years at 918 Broadway, and was one of the leading retailers of the city.

Mrs. R. W. Lucas has just returned from Europe on the S. S. Germania.

Visitors: J. F. Sullivan, Detroit, Mich.; H. L. Crandall, Glen Falls.

Boston.

RECEIPTS ARE HEAVY AND BUSINESS NOT ACTIVE.—FAKIRS DOMINATE THE MARKET.—ALL CLASSES OF MATERIAL SUFFER.—VIOLETS IN THE DUMPS.—FLOWER GROWERS' ASSOCIATION ELECTS OFFICERS AND DECLARES A DIVIDEND.—PERSONAL JOTTINGS OF WIDELY VARYING IMPORT.—VISITORS AND OTHER NOTES.

Extreme dullness continues in the flower business. Heavy receipts of flowers add to the embarrassment of the situation for all sections of the trade excepting the street fakirs, who are never so happy as at such times and who have been taking full advantage of the opportunity for the past week to call attention to their importance by jostling along the sidewalks loaded down with burdens of roses and carnations, selecting for their parade the most crowded thoroughfares. All kinds and classes of roses are found in the vast accumulation thus reaching the street buyer, the lordly, long-stemmed Beauty and the petted Liberty being companions in misfortune with rag-time Brides and bleached and frowsy Bridesmaids with whom the fog-laden atmosphere has dealt most unkindly. Splendid Carnots with faultless stems and foliage stand in the ice-boxes waiting for the buyer who never comes, until, wide-expanded and over-mature, their heads are snapped off, toothpicked and stuffed into the crazy quilt border surrounding the "at rest" on a two-dollar pillow for some "elderly person."

Violets languish in the public estimation this season and, although both double and single varieties are of excellent quality and low in price, they find but few takers. Possibly the long-lingering garden splendor with its still uninterrupted display of salvias, asters, canas, geraniums, dahlias and heliotropes is responsible for the violet's plight; or maybe the selection of the carnation as the standard of the dominant political party has something to do with it, but the best lesson the violet grower can learn from the situation is the unprofitableness of any effort for an "early crop" of this winter and spring favorite.

The annual distribution of prizes for ornamental gardening about the stations of the Boston & Maine railroad gives South Lancaster the first prize of \$50 and Waltham second, \$40. Three hundred and fifty station agents competed and there were 171 prizes bestowed.

The eighth annual meeting of the shareholders of the Boston Co-operative Flower Growers' Association was held on Saturday evening, October 13, forty-five members being present. Officers were elected as follows: President, W. C. Stickle; vice-president, Wm. Nicholson; secretary and treasurer, Geo. Cartwright; directors, W. W. Edgar, John Walsh, E.

Sutermeister, L. W. Mann, Peter Fisher and E. N. Pierce. A twenty per cent dividend on the capital stock of \$1500 was declared and the treasurer reported a surplus of several thousand dollars.

Edmund M. Wood, President of the S. A. F., has received the democratic nomination for the legislature from his home district at Natick. Party lines will not be very closely drawn in Mr. Wood's case and Natick will honor herself in giving him a big endorsement.

The committee having in charge the matter of the testimonial to F. L. Harris completed its labors by a visit to that gentleman on Monday, October 15, when they presented him with a beautifully engrossed and framed list of the contributors to the loving cup.

One of the finest white carnations ever seen here is a seedling which an out-of-town grower is sending to Welch Bros., this being its third season in the market. Its owner claims there is more profit in growing it exclusively than in disseminating the plants.

James Warburton, of Fall River, who has in later years developed into an indefatigable "globe trotter" has returned from the Paris Exposition on the S. S. Commonwealth which arrived on her first trip Monday, October 15.

H. S. DeForest, representing Hitchings & Co., has been in town for several days. He reports business as unprecedentedly good, with orders booked ahead sufficient to keep the whole force busy for a long time to come.

C. W. Farmer, brother of Mrs. W. W. Edgar, has just returned from South Africa, where he has been serving in the British army and participated in thirteen battles with the Boers, being wounded at Korn Spruit.

A letter recently received by a Boston wholesaler from a customer bemoans the scarcity of funeral work. He says: "Nobody cares to die until they know whether or not Bryan is going to be elected."

Sutherland's sheaf, basket and wire-design annex is none too large for the heavy New England trade that is coming in.

Mrs. Thos. Holland, wife of the foreman at the greenhouses of J. Newman & Sons, at Winchester, died on September 27.

J. M. Cohen's window shows at all times an array of the best violets to be found anywhere in this section.

Welch Bros. have been receiving fine specimen blooms of Glory of Pacific chrysanthemums since October 10.

Chas. Ingram is bringing in Mme. Bergmann blooms of remarkable size and perfection.

Mrs. Fred. Williams, of Waltham, died Thursday, October 18.

Visitors in town: Winfried Rolker, New York; Walter Mott, representing H. A. Dreer, Philadelphia; Jas. Harris, Halifax, N. S.; M. H. Walsh, Wood's Holl; Mrs. J. A. Dirwanger, Jos. A. Dirwanger, Jr., Portland, Me.; J. Behbington, Fredericton, N. B.

SHARON, PA.—John Murchie is on the sick list.

ALEXANDRIA, IND.—J. S. Suethen is adding materially to his equipment by the erection of a thoroughly modern greenhouse.

KENNETT SQUARE, PA.—Wm. Swayne, who is at work on two new houses at his place on Marshall street, will build a third one before cold weather.

Philadelphia.

CHRYSANTHEMUMS COME FROM DISTANT SOURCES.—LOCAL CROP ALL LATE.—LIBERTY SCARCE AS YET.—CONDITION OF OTHER SUPPLIES.—CARNATION BELT EXPANDING—ALL ABOUT THE PRICES—A NEW SWINDLER—MEETING OF HORTICULTURISTS.—A NEW PARTNERSHIP IS ANNOUNCED.

The question of the hour is as to where the chrysanthemums are. There have been some about, but very few, and all cut too soon. Some had to be procured for the early weddings, nearly all of which came from a distance, for the home supply is still in the bud. Some say there is a knack in getting in the early ones and that it is easy to have them a week or so ahead of the full supply. There may be something in this but I am inclined to doubt it; at any rate the little knack or kink is out of order this fall and the chrysanthemums are all late. After October 20 they are promised, for sure. The few offered so far have brought \$3 per dozen. Cosmos is now in full flower and sells for 25 cents to 75 cents per hundred. Dahlias bring from \$1 to \$4 for the same quantity. Roses are improving despite the unfavorable weather and prices are a little stiffer, \$5 to \$6 being asked for the special teas. The Liberty is being called for but nobody seems to have any worth mentioning except a few from R. Scott & Son. It seems as if the plants have to be a good size before flowers can be furnished with any length of the stem. They seem to throw so many buds that one is kept busy cutting them off so as to get the plants up to my size. It will not belong, however, before it will be added to the dealers' daily stock. Carnations are looking up. Scott and Hill are the two leaders, with a few of the many new kinds coming occasionally. This will be a great year for the carnation. The Chester county community, or carnation belt, is rapidly increasing in glass area, many new places and additions to old ones having been made the past season. How best to keep the blooms when in the florists' stock is a problem. They will stand for a week in a country packing shed and still look well, but go to sleep in the florists' ice box over night. And, again, some wholesale men can keep them for three or four days in an ice box and say they improve if not too old when they get them. The blooms now in the market bring \$1 to \$2. Violets are plentiful at 25 cents to 35 cents for the single sorts and 50 cents to 75 cents for the doubles, a few of which are now seen.

A mean trick was recently played on Mrs. Eaton, of Twelfth street and Girard avenue. She received a large funeral order from a bright looking young woman, to be sent to a certain address c. o. d. The designs were made up as ordered but upon delivering no such street number was found. The usual funeral notice was not in any of the papers and the whole transaction was done with evident intent to defraud, although, as in similar cases, no check was presented for change. The same woman, it seems, tried to leave a similar order at two other places but as she was a stranger and as no deposit was forthcoming the order was not accepted. It is well for the craft generally to be upon their guard for this swindler. She is very lady-like in appearance, apparently about 20 years of age and a very plausible talker. How she would profit by such a transaction was not developed but she

possibly had the check ready for the easy ones.

The October meeting of the Pennsylvania Horticultural Society, held last Tuesday evening, was very interesting. There were several tables of exhibits, mostly cosmos and dahlias. These were fine and made a good showing. There were also a few orchids, among them a seedling cypripedium for which Alphonse Pericat, gardener to Mrs. G. B. Wilson, received the society's silver medal. Some one proposed a reduction in the price of admission to the fall show, making the admission 25 cents, but he was overwhelmingly voted down.

We are sorry to have to say goodbye to genial George McClain, who has been for the past twenty-five years the foreman for George Craig. He is now one of the firm of Walker & McClain, of Youngstown, Ohio. We wish these gentlemen all the luck possible. They are both, from their long experience in the two branches of the trade, just suited for the partnership they have now formed and they will no doubt build up a successful business.

We had the pleasure of a visit from William Scott, of Buffalo, who spent several days in our city last week in the interest of the Pan-American Exposition, the horticultural department of which he says will be the greatest the country has ever seen. He spent a few hours among the growers with Henry Pennock and his automobile and says that while frightened half to death most of the time he had a most glorious ride and got over more ground than he believed possible in one afternoon. K.

Chicago.

TRADE GOOD BUT STOCK IS SOFT AND PRICES LOW.—CONDITIONS NOT WHAT GROWERS OR WHOLESALERS WOULD LIKE THEM TO BE.—COOL WEATHER BRINGS SOME IMPROVEMENT.—GRAND RAPIDS HAS STOCK TO SEND TO MARKET.—AN AUCTION SALE OF PALMS IS ANNOUNCED.—MINNEAPOLIS BRANCH STARTS OFF WELL.—VARIOUS DOINGS AND ITEMS OF INTEREST.

Wholesale trade has been good this week, but wholesalers themselves are far from satisfied with the state of the market and the growers have equal cause for complaint. While shipping orders have been more numerous, if anything, than a year ago at this time, the orders have been very small and prices have been comparatively low. Mr. Pieser, who is something of a statistician and thorough student of the trend of trade, says that commission men are selling as many flowers in value as in last October, when trade was particularly good, but that it is necessary to handle about twice the amount of stock to take in the same money. There is very little satisfaction in such a market, particularly when the stock is soft and it is difficult to send a shipping order to any distance and to have the material carry well. With regard to the market condition, an instance is pointed out wherein a country buyer last year sent in his first order on September 18 and by October 10 had bought \$173 worth of cut flowers; this year his first order, dated October 10, was for 500 ferns, and he says that he has thus far had no call to go outside his garden and greenhouses for cut flowers. The last few days of cool weather have had a very perceptible effect upon the qualities of roses and carnations. For the past month stock has been steadily

improving but it has been very soft and of poor keeping quality because of the weather conditions, but now some very fine Beauties and tea roses are obtainable and there is life in the carnations. Violets, too, are becoming more plentiful and are fair in quality. The brisk autumn demand for them has not yet developed but returns in general are good enough to make them profitable. There is beginning to be more variety in chrysanthemums, although many growers will hardly begin to cut before the middle of next week. Fair blooms in white, pink and yellow early varieties are now obtainable and are selling at satisfactory prices, considering the fact that the stock is hardly up to the grade of last year. Better qualities are promised in the near future.

There was a large attendance at the annual meeting of the Chicago Florists' Club at Handel Hall, Friday evening, October 19, when the following officers were elected: President, Andrew McAdams; vice-president, George Woodward; recording secretary, Charles Hunt; financial secretary, Edgar F. Winterson; treasurer, Edgar Sanders; trustees, E. Wienhoeber, G. L. Grant, John Reardon, W. N. Rudd and John Degnan. It was voted to hold the annual banquet on the evening of November 8 and the club appropriated \$50 for the purchase of flower show tickets for its members in good standing. A motion to change the evening of meeting from the first and third Fridays to the first and third Tuesdays was referred to the trustees.

The Harms Park Floral Co. is to have a big auction sale of decorative plants at McKellar & Winterson's next week, Wednesday and Thursday. This is a new concern composed of A. B. Everett, E. R. Tauch and Louis Gregor, the two former having been with Walter Retzer & Co., Mr. Everett as partner and Mr. Tauch as foreman. They started in business on Berteau avenue, September 1, and propose to grow cut flowers for the wholesale market, making carnations a specialty. They have two and one-half acres of land and ten greenhouses, two of them, each 22x125, being now in the course of erection, the Moninger Company supplying the material. They report business as starting in well.

Chas. Chadwick and Henry Smith were down from Grand Rapids the early part of this week and report things in good shape in their town. Grand Rapids has nearly twice as much glass this year as it had last and is coming to be a floricultural center of the first magnitude. Mr. Smith says that it is probable that there are 100,000 violet plants in his town and Mr. Chadwick has himself benched 65,000 carnation plants, including all the best varieties, which is more than the largest Chicago grower had under glass last winter, and is about as much as all except the largest of them have this year.

Interest in the approaching flower show seems to indicate an increased number and variety of exhibits. The information that one or two of the exhibitors who have been accustomed to cut a large figure in the plant and cut flower classes for chrysanthemums will be absent this year, has led a great many smaller growers to determine to go into the contest. If the rose market doesn't brace up within the next three weeks the big growers will probably be largely in evidence, something heretofore unknown.

D. W. Brant, of Brant & Noe, has returned from Minneapolis, where he has

been for the last two weeks, engaged in starting their new wholesale cut flower house. They have a location on Sixth street, N., in the wholesale market, and one of the decided advantages of the place is that they have artificial refrigeration. Mr. Brant says that they feel very much encouraged by the way their venture has been received by the retailers of the Twin Cities. The store is in charge of a young man who came to them from the Van Bochove Brothers, at Kalamazoo.

The Geo. Wittbold Company has just completed the installation of two new boilers, one for steam and one for hot water. Last season they were rather short for heat but they will have no difficulty in this direction this year. During the summer they put up the tallest smokestack in their neighborhood and it gives them a draft that is almost sufficient to draw the fire up the chimney.

J. A. Budlong has a big crop of Brides and Bridesmaids on just now and is cutting some very fine stock. On Monday his cut was 11,000 roses. His Beauties are also good but his houses are not yet in full crop. He has made arrangements for a big supply of chrysanthemums again this year, one grower alone consigning 25,000 blooms to him.

E. C. Amling is receiving some very fine blooms of Dorothy, the pink seedling carnation which originated with Mrs. E. T. Graves, at Richmond. Mrs. Graves has made such a success of carnation growing that she has this season increased her range of glass to 30,000 square feet.

P. Broadbeck, of White Daybreak carnation fame, who as a prognosticator can give points to the forecast officials of the weather office in the Auditorium, says that autumn will last until Christmas and that this is to be a remarkably mild winter.

The funeral of Mr. Fargo, who has figured largely in the express business for many years, created a large demand for designs on Tuesday. One "creation" was a miniature floral express wagon built for the employes of Mr. Fargo's company.

N. J. Wietor is getting busy. Doubling the size of one's range of glass in a single season gives the selling department something to do to handle the largely increased output. They have 65,000 American Beauty plants on the benches this year.

Adolph Poehlmann has his new Wabash avenue wholesale store, fitted up in modern style, all ready for opening under the management of Chas. S. Stewart. They will shortly have a very large cut of roses, which will be their specialty.

Between H. Bauske, of Bowmanville, and Emil Buettner, of Park Ridge, A. L. Randall does not take a back seat for anybody when it comes to American Beauties. He says that business is all that he could reasonably expect.

Bassett & Washburn are so well pleased with the work of the two boilers which they recently equipped with smoke consumers that they have commissioned the Under Feed Stoker Company to fit out the remaining nine boilers.

Wm. J. Smyth has an attractive addition to his establishment in the form of a conservatory which is nearing completion. The structure is about 30x36 feet. He has also constructed a new up-to-date ice box.

Thomas W. Lawson, who has recently been supplementing his carnation notoriety by large winnings on the turf, will be in Chicago with a string of fancy equines for the horse show.

Mrs. G. W. Scott, who was associated with her husband in the undertaking and retail florist business on West Madison street, died last week and was buried on Monday.

Gov. Roosevelt carnations, all the way from the Cottage Gardens, have been on exhibition this week in the windows of A. Lange and the Central Floral Co.

Weiland & Risch are cutting some very good blooms of the newer carnations. Mr. Risch says he expects Mrs. Lawson to be the belle of the season.

Herbert Heller, of the South Park Floral Co., has been up from New Castle again this week, called by the death of his grandmother.

J. W. Kunz, of St. Louis, has entered the employ of C. A. Samuelson. He is widely experienced and very capable in his department.

J. B. Deamnd is receiving some very fine chrysanthemums notwithstanding the fact that these are unusually late this season.

The many friends of Mrs. Edgar F. Winterson will be pleased to learn that she is convalescing from her recent illness.

Robt. Georke, well known around town, is now with W. E. Lynch.

Visitor: G. Fleischer, of Pueblo, Col., returning from Europe.

St. Louis.

MEETING OF THE CLUB.—AID FOR GALVESTON FLORISTS.—PROGRAMME OF ESSAYS FOR THE WINTER.—PREMIUM WINNERS AT THE FAIR.—A TRIP TO CHICAGO IS PLANNED.

At the October meeting of the St. Louis Florists' Club applications for membership were received from C. L. Eichhorn, Theo. Miller and Philip Goebel. H. G. Berning and C. A. Kuehn were appointed to secure subscriptions for the Galveston florists. During the session two essays were read, one on profitable winter blooming plants by Emil Schray, and one on roses by F. J. Fillmore. At the November meeting H. G. Ude will speak on "Successful Violet Culture," and C. C. Sanders on "Hardy Flowers for Florists' Use." At the December meeting F. W. Ude will relate "The Latest Facts About Carnations" and A. L. Halstedt will discuss "Carnations from a Commercial Standpoint." In January F. J. Ammann will tell "How to Grow Good Perle Roses." F. C. Weber will discuss "Cut Flowers for Retailers' Uses." At the February meeting H. G. Berning will tell what he knows about "The Best Methods of Wholesaling Cut Flowers" and J. J. Beneke will dissertate upon "The Methods to be Adopted to Elevate our Business." At the March meeting Robt. F. Tesson will contrast "The Cultivation of the Rose To-day and Ten Years Ago." At the April session E. W. Guy will talk on "Bulb Stock and How to Make It Pay." At the same session Carl Beyer will tell "How to Grow Pot Plants Profitably." In May Rudolph J. Mohr will talk of "Orchids from a Commercial Viewpoint" and Max Herzog will tell what he knows about "Sweet Peas and How They Should Be Grown."

The fortieth annual fair at St. Louis was the best on record and the floral section was particularly strong. The collection of 1500 cacti exhibited by A. Greiver was a most remarkable feature and the cut flower, plant and floral design classes were all well filled and meritorious. Emil Schray took nine first premiums worth \$119 and four seconds worth \$23. C. Young & Sons Company

took seven firsts worth \$81 and ten seconds worth \$70. Ellison & Tesson won three firsts worth \$34 and four seconds worth \$20. Mr. Greiver's first was only \$20 but the Schisler-Cornelli Seed Company took a prize with the same amount on a display of seeds.

There is a prospect that the bowling team will go to Chicago sometime during November, and it is likely that it will be accompanied by a large party, who will stay a couple of days to visit the big growers and other points of interest.

MAAS.

Bradford, Pa.

A VOYAGER ON THE SEA OF TRADE CHATS WITH SOME LIVE MEN.—NOTES OF A EUROPEAN TOUR.

George L. Graham has returned from his European tour brimful of new ideas, new impressions, an enhanced enthusiasm and renewed energies. What he saw abroad would fill a book. While in Belfast, Ireland, he visited the Hugh Dickson rose gardens, where hybrid perpetual roses and tuberous-rooted begonias are grown to perfection indoors. At the time of his visit Mr. Dickson's roses made a clean sweep of all the first prizes at Carlsh, Scotland. The Manchester Botanical Gardens next claimed his attention. There he saw ferns the like of which he had never seen before. One house, about 75x300, is given to woodbine. These are grown downward; that is, the strings are suspended from the roof and grow to within about five feet from the floor. Mr. Paull, the superintendent of the establishment, extended every courtesy to Mr. Graham and Mr. Weathers, the proprietor, was in no wise behind in extending a welcome to his American visitor. The Kew Gardens, of London, were worthy of a visit, and there, among other things, Mr. Graham saw the finest calceolarias that he has ever beheld. During his nine weeks' trip Mr. Graham visited Ireland, England, Scotland and France. The Paris exhibition, as a matter of course, claimed his attention and proved a revelation. Mr. Graham's own place underwent some overhauling during his absence and his general stock is all that could be desired.

Although the S. A. F. convention has long since passed into the realm of bygone events, it is by no means forgotten, and still furnishes interesting material for discussion. In my recent travels I have met a number of the "stay-at-homes" still regretting their missed opportunity and promising to do better next time. W. C. Rockwell is one of the number. With him, however, it was a question of choosing "between love and duty." Time was precious and work plentiful. Mr. Rockwell naturally decided that "business before pleasure" was a golden rule to be followed at all times and under all circumstances. Having given his greenhouses a thorough overhauling, and with stocks of roses and carnations, both standards and of recent introduction, that are in the best of condition, there is no wonder that Mr. Rockwell is inclined to view things from the standpoint of the optimist. His violets, both double and single, look vigorous and promising. He never made a failure of growing violets.

G. R. Oliver believes that whatever is worth doing at all is worth doing well, and accordingly, while overhauling his houses, he did it in a thorough manner, cementing the walks, putting in the very best benches that money could purchase

and ingenuity devise. Mr. Oliver's is a model establishment, while Mr. Oliver himself is a successful all-around grower.

NOMIS.

Utica, N. Y.

WHAT THE CRAFTSMEN ARE DOING.—EVERY ESTABLISHMENT IS IN ORDER FOR A BUSY SEASON.—MUCH GOOD STOCK.—STEM ROT PREVALENT.

Baker's is one of the busiest places in town; they are shipping their fine ferns all over the country. They report, also, a good demand for cut flowers and funeral work. They have some very good seedling carnations in their second year. Everything about the place is in good shape under the supervision of Frank J. Baker, and we bowlers are proud of our Captain Baker, as we know he will lead us to victory. Syracuse bowlers please take notice.

Wm. Mathews, the veteran orchid grower, has his violets promising a good crop soon. He has a very fine house of chrysanthemums just right, planted late but they have made fine growth and fine foliage. His carnations are of extra quality and all doing well excepting The Marquis. He put in the finest of this variety in this section, but he says he is throwing them out every day on account of stem rot.

Peter Crowe's place looks well. He is our prize rose-grower and is having a large cut, but every flower goes and he could use more, and we expect to see splendid roses from his place this winter. We also see for him more gold medals, more cups, more prizes, and then each member of the Florists' Bowling Club will expect a new pair of white bowling shoes.

J. C. Spencer has thoroughly overhauled his place and painted it throughout. He has some seedling carnations, one of which he thinks will more than crowd the Lawson, and that is saying a great deal. There was no stem rot on The Marquis here.

At Wm. Pfeiffer's carnations are good but they are also having the prevailing trouble with The Marquis, stem rot, and they have taken the greatest care of them, too. Violets here are healthy. They are in good shape for the winter trade.

C. F. Seitzer, whose place always looks clean, has the finest bench of Daybreak carnations in the city; other carnations are also good here. He has just finished cutting a big bed of smilax. Mr. Seitzer has promised to bowl with us soon.

F. E. Shaw's place never looked better. Carnations are good, especially a bed of Joost. Roses are also healthy. He has some early chrysanthemums in flower. One also sees here a fine lot of Boston ferns.

QUIS.

DANVILLE, ILL.—A greenhouse, with complete heating apparatus, is to be erected at the National Soldiers' Home here.

WHITMAN, MASS.—Robert E. Moir is making extensive improvements on his range of houses and putting in new heating apparatus.

WILLIAMSTOWN, KY.—The greenhouse property of the late John Fisher has been sold to C. H. Smith & Co., a concern composed of residents of Marietta, O.

EAST DURHAM, ME.—Elwood Goddard and M. D. Goddard have given up the greenhouse business here for the present and have taken positions at Woburn, Mass.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at \$1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines only. Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

SOME of the new hybrids of Scabiosa Caucasia are quite attractive.

THE cactus dahlias appear to be fast superseding the older large flowered types.

THE new scale of discounts of the window glass trust amount to a ten percent increase in the prices of double strength greenhouse sizes.

THERE is a demand for competent growers, particularly those experienced in roses, probably the result of the large increase in glass this year.

IN answer to "J. S." we wish to state that we give no attention whatever to questions of party politics. "The flowers that bloom in the spring have nothing to do with the case."

PROSPERITY, the new carnation which Dailedouze Bros., of Brooklyn, N. Y., are placing on the market, will always be better known as No. 666. It is usually the best policy to give a new variety a name before it is placed on exhibition.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The Conard & Jones Co., West Grove, Pa., registers new cannas as follows: Pennsylvania, orchid flowering; color, bright scarlet, foliage green, height five feet. An American hybrid. Betsy Ross, color soft pink, foliage green, height two and one-half feet.

Wm. J. STEWART, Sec'y.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

Dailedouze Bros., Flatbush, N. Y., register Prosperity; color, white ground overlaid with pink in mottles deepening toward the center; habit and health the nearest to the ideal yet produced; flowers four inches in diameter, freely produce on long, stiff, wiry stems and with a calyx that does not split. This is the carnation known as No. 666.

Philip Heilig, Franklin, Pa., registers Mrs. Philip Heilig; color, cream white ground, with pink markings on the edge of the petals, in size three and one-quarter inches, with a good, strong calyx and a stiff, upright stem; strong, healthy growth with dwarf habit and can be grown without supports.

Philip Heilig, Franklin, Pa., registers General Charles Miller; color, pure white, flowers very large, being three and one-half inches in diameter October 13; stem eighteen to twenty-four inches long; flower very full of petals with heavy,

high built center and lower petals standing straight out; habit strong and sturdy and free from disease.

ALBERT M. HERR, Sec'y.

Syringing With Nicotine.

A French paper states that the addition of a small amount of soap, wood alcohol and carbonate of soda to nicotine solutions greatly increases their adhesive power and effectiveness. The following proportions are recommended:

Water.....	1000 parts
Nicotine.....	1 "
Wood alcohol.....	10 "
Soap.....	10 "
Carbodate of soda.....	2 "

The manufacturers of tobacco extracts state the percentage of nicotine they contain and when using them it will be necessary to add enough to bring the amount of nicotine up to the proportion specified. The formula is taken from a bulletin of the French National Society of Agriculture.

Greenhouse Building.

Skowhegan, Me.—F. G. Danforth, range of houses.

Newark, N. Y.—Jackson & Perkins Co., two propagating houses.

Alexandria, Ind.—J. S. Suethen, one house.

Minneapolis, Minn.—H. F. W. Busch, two houses 21x200; one 21x100.

Carlstadt, N. J.—Jacob H. Ullman, house 20x80.

Hartford, Conn.—Drake & Carlson, eight houses 10x57.

Montpelier, Vt.—Chas. Ord, one house.

Wappinger's Falls, N. Y.—Joseph Jones, house 16x54.

East Mansfield, Mass.—Vickery Bros., house 20x50.

South Weymouth, Mass.—Oswald Ralph, one house.

Saugatuck, Conn.—S. E. Banks, one house.

Stratford, Conn.—Geo. A. Porter, one house.

Sea Cliff, N. Y.—F. Bonlon, range of houses.

West Derby, Vt.—J. Ball, house 20x100.

Everett, Mass.—I. E. Coburn, one house.

Shelburne Farms, Vt.—Dr. Webb, house eighty feet long.

Gloucester, Mass.—Jas. F. Jeffrey, one house.

Newark, N. J.—J. Elsun, house 14x74.

Regulating a Rose Crop.

ED. AM. FLORIST:—I have a rose house planted to grafted Brides, Bridesmaids and Liberty, which are growing freely and are now (September 27) coming into full crop. Can anything be done to regulate the flowering so that a crop may be reasonably expected at least at Christmas? The plants were benched the first week in May and are in good health.

NEW MEXICO.

A grower can regulate his crop of flowers to a certain degree by going over his plants and carefully disbudding, i. e., picking or cutting off all buds in sight about the end of this month, to ensure a crop of flowers for Christmas; it usually takes about eight weeks from one full crop to the next; that is, under ordinarily favorable circumstances. Thus by picking off the flowers and buds which are on the plants the last week in October, a good crop can usually be ensured for the end of December, providing, of course,

the plants are in a healthy, vigorous condition. If a somewhat extended crop is desired, rather than the whole at one time, the disbudding should be extended to cover twelve or eighteen days for the whole house, or in other words, half the house could be disbudded say from October 25 to 30 and the other half from November 6 to 12.

JOHN N. MAY.

The Galveston Subscription.

The Chicago Florists' Club has raised the very creditable sum of \$292.90 for the benefit of the florists of Galveston. Treasurer Edgar Sanders has sent a draft for \$286.90 to Seely, Hutchins & Co., bankers, Galveston. Following is the complete list:

American Florist Company.....	\$35.00
Walter Retzer & Co.....	25.00
Walter Retzer & Co. employes.....	20.00
Geo. Wittbold Co.....	15.00
J. C. Vaughn.....	10.00
E. Wienhoeber.....	10.00
C. A. Samuelson.....	10.00
F. F. Bently & Co.....	10.00
F. Stielow.....	10.00
Wietor Bros.....	10.00
Bassett & Washburn.....	10.00
E. H. Huot.....	10.00
Peter Reinberg.....	10.00
McKellar & Winterson.....	10.00
Hartshorne's box.....	8.00
J. B. Deamud.....	5.00
Geo. Reichberg.....	5.00
E. C. Amhug.....	5.00
Edgar Sanders.....	5.00
J. A. Baclong.....	5.00
Poehlmann Bros.....	5.00
A. L. Randall.....	5.00
Welland & Risch.....	5.00
Adolph H. Poehlmann.....	5.00
W. W. Baroard & Co.....	3.00
Vaughan's young lady employes.....	2.90
J. A. Schmidt.....	2.00
Miss Christophersen.....	1.00

JOHN REARDON'S COLLECTIONS.

Eli Hobbs.....	\$5.00
W. J. Smyth.....	5.00
S. Muir.....	5.00
A. McAdams.....	5.00
Geo. Woodward.....	2.00
H. Hillmers.....	2.00
Edgar Reid.....	2.00
Robert Mueller.....	2.00
John Reardon.....	2.00
John Black.....	3.00

33.00

W. KREITLING'S COLLECTIONS.

W. Kreitling.....	\$1.00
Leopold Koropp.....	1.00
Cash.....	1.00
H. N. Bruns.....	1.00
Cash.....	1.00
N. Pailus.....	1.00
I. C. Silliman.....	1.00

7.00

M'KELLAR & WINTERSON'S COLLECTIONS.

E. E. Von Rosen.....	\$1.00
L. H. Winterson.....	1.00
J. A. Sikuta.....	1.00

3.00

WIETOR BROS.' COLLECTIONS.

W. H. Kidwell.....	\$2.00
Gus. Vournakis.....	1.00

3.00

Total..... \$292.90

Those desiring to add their mite to the balance of \$6 which Treasurer Sanders still has on hand will be welcomed.

Boiler and Piping.

ED. AM. FLORIST:—I am building a violet house 12x110. On the north side is a work shed, on the south, glass, walks along the walls, a seven-foot bench in the center. How many runs of 2-inch pipe will it take to heat the house when the outside temperature is 20° below zero? How shall I pipe the house? What style of boiler would you recommend, wood being used as fuel?

YOUNG FLORIST.

From the reading of the question it is inferred that the house runs north and south and that it is the ends rather than the sides that are referred to. If there is no glass in the sides of the house and the walls are not more than four feet above

the surface of the ground outside and the roof is not more than fifteen feet measured over the ridge from plate to plate, one 2-inch flow and two returns on each wall will be ample. One of the returns on each side should be provided with a valve so that it can be cut off, as it will not be required except in cold weather. The boiler should have a capacity for 500 feet of radiation, and very few of this size have fire boxes sufficiently long or fire-pot door sufficiently large to permit of the use of the large sticks that are desirable to maintain a fire through the night. Some of the saddle or horizontal sectional heaters will probably be as well adapted as any for this purpose. L. R. T.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BALTIMORE, Md., February 21-22, 1901.—Exhibition of the American Carnation Society. Albert M. Herr, Sec'y, Lancaster, Pa.

BOSTON, Mass., November 6-9.—Chrysanthemum show, Massachusetts Horticultural Society. Robert Manning, Sec'y, Horticultural Hall.

CHESTNUT HILL, Pa., November 7-9.—First fall exhibition Chestnut Hill Horticultural Society. Robt. G. Carey, Sec'y, Chestnut Hill, Pa.

CHICAGO, ILL., November 6-10.—Annual exhibition, Horticultural Society of Chicago. W. N. Rudd, Sec'y, 1002, 185 Dearborn street.

COLD SPRING, N. Y., November 8-9.—Second annual exhibition, Putnam County Horticultural Society. John A. Connolly, Sec'y.

DENVER, COL., November 7-9.—First exhibition, Denver Florists' Club. A. M. Lewis, Sec'y.

ELMIRA, N. Y., November 14-15.—Chrysanthemum show, Elmira Horticultural Society. H. N. Hoffman, Sec'y.

HARTFORD, CONN., November 6-9.—Chrysanthemum and carnation exhibition, Connecticut Horticultural Society. L. H. Mead, Sec'y, Hartford.

HOUSTON, TEX., November 15-16.—Seventh annual chrysanthemum show for DePelchin Home. Mrs. M. E. Bryan, Sec'y.

INDIANAPOLIS, IND., November 14.—Exhibition of State Florists' Society of Indiana. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

LOUISVILLE, KY., November 10-12.—Tenth annual floral festival of the Kentucky Society of Florists. Hy. Lichtefeld, Sec'y, Louisville.

MADISON, N. J., November 7-8.—Fifth annual exhibition, Morris County Gardeners' and Florists' Society. Chas. H. Atkins, Sec'y, Madison.

MONTREAL, CAN., November 6-8.—Annual chrysanthemum show, Montreal Gardeners' and Florists' Club. W. H. Horobin, Sec'y, 130 Tupper street.

NEW HAVEN, CONN., November 14-16.—Exhibition of New Haven County Horticultural Society. Robert Veitch, Jr., Sec'y.

NEWPORT, R. I., November 13-15.—Ninth annual chrysanthemum show, Newport Horticultural Society. Robert Johnston, Sec'y, Harborview.

NEW YORK, November 14-15.—Chrysanthemum Show, American Institute. George Whitefield, Jr., Sec'y, Berkeley Lyceum Building.

PHILADELPHIA, PA., November 13-17.—Annual exhibition, Pennsylvania Horticultural Society. David Rust, Sec'y, Horticultural Hall, Broad street.

POUGHKEEPSIE, N. Y., November 6-8.—Annual exhibition, Dutchess County Horticultural Society. W. G. Gommersall, Sec'y, Poughkeepsie.

PROVIDENCE, R. I., November 14-16.—Chrysanthemum exhibition Rhode Island Horticultural Society. C. W. Smith, Sec'y, 61 Westminster street.

SAN FRANCISCO, CAL., October 25-27.—Fall exhibition California State Floral Society. Mrs. Henry P. Tricon; Sec'y, 846 Grove street.

ST. LOUIS, Mo., November 14-16.—Tenth annual chrysanthemum exhibition, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

WACO, TEX., November 13-17.—Fifth annual chrysanthemum show, Texas State Floral Society. Mrs. M. B. Davis, Sec'y, Waco.

Catalogues and Cut Flower Price Lists Received.

Thomas Meehan & Sons, Germantown, Philadelphia, Pa., trees, shrubs and herbaceous plants; The Livingston Seed Co., Columbus, O., bulbs, plants and seeds; H. T. Harmon & Co., Portland, Me., bulbs; August Rolker & Sons, New York, N. Y., florists' supplies; Kohler & Rndel, Altenburg, Germany, perennials and Alpines; Gurney Heater Manufacturing Co., Boston, Mass., heaters; Bassett & Washburn, Chicago, Ill., flo-

rists' supplies and cut flower price list; E. H. Hunt, Chicago, Ill., seeds, bulbs, florists' supplies, cut flowers; A. G. Prince & Co., Chicago, Ill., florists' supplies and cut flower price list; Hardy Plant Farm, Winchmore Hill, London, England, bulbs, tubers, shrubs, etc.; Henry T. Dixon, Woodside Gardens, Hailsham, Sussex, England, carnations and sweet peas; V. Lemoine et Fils, Nancy, France, seeds and bulbs; F. C. Heinemann, Erlurt, Germany, garden and flower seeds; Harlan P. Kelsey, Boston, Mass., trees, plants, bulbous plants, etc. Galveston Nursery and Orchard Co., Hulon, Texas, catalogue and pricelist; C. C. Pollworth Co., Milwaukee, Wis., palms and ferns; J. M. Thorburn & Co., New York, N. Y., seeds; Wm. F. Kasting, Buffalo, N. Y., cut flower price list; E. C. Amling, Chicago, Ill., cut flowers.

ERIE, Pa.—E. C. Hill, proprietor of the Glenwood Greenhouses, has just completed a new structure 21x70.

ST. PAUL, MINN.—C. F. Haupt is building a considerable extension of his range of glass on South Robert street.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 73 E 26th St. Ch. cago.

SITUATION WANTED—By a sober florist. Good grower and designer. Best of recommendations. Address STANLEY, care American Florist.

SITUATION WANTED—By a practical florist and gardener, capable to take full charge of commercial or private place. For particulars, address Box 53, Williams Bay, Wis.

SITUATION WANTED—An foreman by a first class grower of roses and cut flowers; general plantman; 25 years, experience. Good references. FLORIST, 391 Belden Ave., Chicago.

SITUATION WANTED—By experienced florist. Grower of fine roses, carnations 'mums, specialities, design work. References. Address FLORIST, 1021 west 3rd St., Canton, O.

SITUATION WANTED—By a good all-around man in cut flowers and retail plant trade; 9 years' experience. Can give best of references. State salary when writlog. Address W, care American Florist, Chicago.

SITUATION WANTED—By an experienced and successful grower of roses, carnations and general assortment of plants; will take charge of section or entire plant. Best of references. Married. Address A F, care American Florist.

SITUATION WANTED—As working foreman by a good grower and propagator of general stock; can take full charge; life-time experience. First-class references. Married; English Please state wages, etc. Address B H, care American Florist.

SITUATION WANTED—By Scotch gardener, single, age 29; 1 1/2 years' experience in the different branches of gardening; desires position of responsibility in private garden. Can be released from present place at convenience. Address A S A, care American Florist, Chicago.

SITUATION WANTED—As foreman with some first-class concern, not farther east than Chicago. Have held such position in large establishments to the satisfaction of my employers, and can furnish good references. J. N. JAKOBSEN, 2001 East Colfax Ave., Denver, Colo.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS B. BULL, Bakersfield, Cal.

WANTED—At once, grower of roses, carnations and general stock. State wages and references. MRS. H. SALVESON Petersburg, Ill.

WANTED—A good cut flower worker for large establishment. Must have good references. Address P. O. B x 889, Pittsburg, Pa.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B, care American Florist.

WANTED—Reliable, competent man. Fine roses, 'mums, etc. Also assistant. Address J. T. WILLIAMSON, La Rose Gardens, Memphis, Tenn.

WANTED—A young man that has some experience in greenhouse work. Steady work for the right man. F. P. DILGER, 418 Pryor Ave., Milwaukee, Wis.

WANTED—Young man to learn the florist business. Wages for 1 year, \$10 per month with board and room. Good references required. MRS. GEO. W. GASKILL, Warren, O.

WANTED—Single man as assistant florist in carnations and bedding stock; at steady job for a good worker. State wages expected with board and room. B F F, care American Florist, Chicago.

WANTED AT ONCE—Grower of roses, carnations, 'mums and general stock, and a good propagator. \$30.00 per month with board and room. Reference. C. HUMFELD, Clay Center, Kan.

WANTED—One or two men with small capital to run my greenhouse plant. No competition, good location, best shipping facilities. A fine opportunity. Mrs L B, care American Florist.

WANTED—Young man with some experience to work in greenhouses roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address R, care American Florist.

WANTED—A good sober, steady man to work in a small plant. Must be willing to do any work connected with the business. State wages. A steady place to good man. Address W H W, care American Florist.

FOR RENT—Long established market garden of ten acres. Situated on a first-class line, only one mile from center of thriving city of 35,000. Fine chance for good florist or market gardener. Will lease to reliable parties only. Address FRANK MAUCH, c/o Box 251, South Bend, Ind.

WANTED, IN LARGE PLACE, good, all-around man as first assistant; must be good on design work and come well recommended. Ad's EXPERIENCE, care Am. Florist, Eastern Office, 67 Bromfield St., Boston.

WANTED—Two Young Men, for Rose and Carnation Houses. F. BURKI, Bellevue, Pa.

FOR SALE. Greenhouse plant of 6 nouse in Jersey City well stocked and in full operation. Address JOHN MORRELL, 92 Danforth Ave., Jersey City, N. J.

POSITION WANTED. Young Englishman with 10 years' first-class experience of the English retail seed and nursery trade desires engagement in first-class American seed house. Well educated, up-to-date knowledge of the business; fond of hard work, and not particular about the clock if services appreciated. Undeniable references as to character and ability. H. WHITTEN, care George Rose, Seedsman, Liverpool, England.

WANTED--FLORIST. To grow roses, carnations, violets, 'mums and general greenhouse stock. Send reference of last employer. Steady work for the right man. Address MRS. P. F. WIGGINS, 1319 N. Michigan Ave. SAGINAW CITY, MICH.

FOR SALE. 50 H. P. Horizontal Steam Boiler, including all fittings. Cheap for cash. J. A. BUDLONG, 37 & 39 Randolph St., CHICAGO, ILL.

FOR SALE. GREENHOUSE PROPERTY At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer. HITCHINGS & CO., 233 Mercer St. NEW YORK

Quincy, Ill.

Trade has picked up nicely since cool weather set in and everybody is correspondingly happy. Roses look well. Gentemann has a fine lot of them. Gross and Heckenkamp have very large stocks of chrysanthemums; the latter will give his third annual chrysanthemum show the first part of November. Maag has a fine lot of McGowan carnations although carnations here are more or less affected by dry rot. Mrs. Vonedam has dispensed with her florist and will henceforth conduct her business personally, with the help of her two sons. Some large funeral orders and a large number of weddings are keeping cut flower stocks very low. F. H.

Wholesale Flower Markets

CINCINNATI, Oct. 18.

Roses, Beauty	10.00@25.00
" Bride	2.00@ 4.00
" Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1.50
Chrysanthemums	12.50@15.00
Cosmos	.50
Lilies—Album and Ruhrum	4.00@ 5.00
Lily of the valley	4.00
Smilax	10.00@12.50
Adiantum	1.00
Common feros	.15
Asparagus	50.00

St. Louis, Oct. 18.

Roses, Bride, Bridemaids	3.00@ 5.00
" Beauty, 12 to 20 inch stems	8.00@15.00
" " loog	18.00@25.00
" Perle	2.00@ 4.00
" Meteor	3.00@ 6.00
" Kaiserin	3.00@ 6.00
Carnations, common	1.00@ 1.25
" choice	1.50@ 2.50
Lily of the valley	3.00@ 4.00
Smilax	12.50
Adiantum	.60@ 1.00
Tuberose	3.00@ 4.00
Galax	per 1000 1.00
Cosmos	.25@ .50

MILWAUKEE, Oct. 18.

Roses, Beauty, loog, per doz	2.00@ 3.00
" " med	1.00@ 1.50
" " sbort	.50@ .75
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 5.00
" Kaiserin	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	3.00@ 4.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00
Adiantum	.75@ 1.00
Common feros	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Mums, fancy, per doz	2.00@ 2.50
" ordinary	1.00@ 1.50
Violets	.75@ 1.00

PITTSBURG, Oct. 18.

Roses, Beauty, fancy	20.00@25.00
" " extra	10.00@15.00
" " No. 1	5.00@ 8.00
" " culls	2.00@ 4.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
" Liberty	4.00@ 6.00
Carnations, ordinary	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00
" Sprengerii	.25@ .35
Dagger feros	per 1000, 2.00
Chrysanthemums	10.00@ 18.00

DENVER, Oct. 17.

Roses, Beauty, select	10.00@20.00
" " ordinary	3.00@ 6.00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Perle, Wootton	2.00@ 4.00
Carnations, ordinary	1.50
" fancy	2.00@ 2.50
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	.75@ 1.00
" double	.50@ .75
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Werns	.30

J. B. DEAMUD, CHICAGO.

51 WABASH AVE.,

We are now receiving some very fine Roses and Carnations and shall be pleased to have your orders. Am. Beauties are first-class.

AM. BEAUTIES, ex. loog	Per doz. \$3.00
" " 24-inch	2.50
" " 18 "	2.00
" " 12 "	1.50
" " short	\$.50 to 1.00
BRIDES, MAIDS	Per 100 \$2.00 to \$4.00
METEORS, KAISERINS	3.00 to 5.00
PERLES	2.00 to 3.00
CARNATIONS	1.00 to 1.50
VALLEY	4.00 to 5.00
SMILAX	12.50

VIOLETS, double	Per 100 \$1.00
" " single	.75
ADIANTUM	.50 to .75
ASPARAGUS	50.00
FANCY FERNS	\$1.50 per M, .20
IVY LEAVES	.50
CALDWELL'S	No. 1 contains 15 lbs., \$2.50
" " No. 2	20 " 3.25
" " No. 3	25 " 3.75
" " No. 4	35 " 4.50
" " No. 5	40 " 5.50
" " No. 6	50 " 6.50

Prices subject to change without notice. P. AND D. AT COST.

CATTLEYS, \$6.00 per dozen.

HOLTON & HUNKEL CO., -- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS IN SEASON. PITTSBURG, PA. Liberty Street.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

CHOICE Green and Bronze GALAX, New Crop.

Price 60c per Thousand.

Postage Prepaid. Small Orders a Specialty.

Address H. H. HILL, Victoria, Macon Co., N. C.

Galax Leaves at Wholesale

ORDERS FILLED PROMPTLY. CORRESPONDENCE SOLICITED.

....J. G. LOVEN....

Montezuma, N. C.

Southern Wild Smilax.

New crop now ready for shipment. Write for my descriptive circular and price list. I guarantee that all goods shipped by me will be of best quality, hand picked, and of standard weight. I solicit your standing orders for the above goods. Reduced express rates to all points. Address all orders to, by wire via Georgia, J. G. BARROW, RED LEVEL, ALA.

Bentley & Co.

F. F. BENTLEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

Carnation Blooms

SHIPPED DIRECT FROM GREENHOUSE TO ALL POINTS.

Chicago Carnation Co., JOLIET, ILL.

Southern Wild Smilax.

NEW CROP NOW READY.

Caldwell The Woodsman Co. Inc.

Also J. B. DEAMUD, CHICAGO, ILL., L. J. KRESHOVER, New York, N. Y., M. RICE & CO., Philadelphia, Pa., THE VAIL SEED CO., Indianapolis, Ind.

E. C. AMLING,

32-34-36 Randolph St.

LONG DISTANCE TELEPHONE
CENTRAL 1977.

The Largest, Best Equipped and
Most Centrally Located Wholesale
Cut Flower House in Chicago.

CHICAGO, ILL.

BEAUTIES		CARNATIONS	
Ex'tra long stem.....	per dozen,	Standard sorts.....	per 100,
Stems, 30 inches.....	"	Fancy sorts.....	"
" 24 ".....	"	[Including such varieties as Dorothy, Ethel Crocker, G. H. Crane, The Marquis, Mrs. Lawson, Genevieve Lord, Mrs. Bradt, White Cloud, Jubilee, Triumph, America and Mary Wood.]	
" 20 ".....	"	DECORATIVE	
" 15 ".....	"	Asparagus.....	per string.
" 12 ".....	"	Galax, green.....	per 1000, \$1.00; per 100,
" 8 ".....	"	Ferns, per 1000, \$1.50.....	"
ROSES		Leucothoe sprays.....	"
Brides and Maids.....	per 100,	Ivy Leaves.....	"
Meteors and Kaiserin.....	"	Adiantum.....	"
Perles.....	"	Smilax.....	per dozen,
Roses, good seconds.....	"	Wild Smilax, parlor brand.....	per case,
MISCELLANEOUS		" " medium.....	"
'Mums.....	per doz.,	" " large.....	"
Alyssum.....	per 100,		
Valley.....	"		
Violets.....	"		

We can at all times supply everything to be had in Chicago.

WEILAND-AND-RISCH

GROWERS and SHIPPERS,

59 WABASH AVE. CHICAGO.

AMERICAN BEAUTY		ROSES	
36-in. stems.....	Per dozen,	Liberty.....	Per 100
30 ".....	\$3.00	Golden Gate.....	\$3.00 to \$5.00
24 ".....	2.50	Brides.....	3.00 to 5.00
20 ".....	2.00	Maids.....	3.00 to 5.00
15 ".....	1.50	Meteors.....	3.00 to 5.00
12 ".....	1.25	Kaiserin.....	3.00 to 6.00
short stems.....	1.00	Perles.....	4.00 to 4.00
Carnations.....	per 100, \$1 to 1.25	Seconds.....	2.00
Fancy.....	\$1.50 to 2.00	Asparagus.....	per string, .50
Violets.....	per 100, 75c to 1.00	Smilax.....	per doz., \$1.25 to 1.50
Valley.....	per 100, 4.00	Chrysanthemums.....	1.50 to 2.50
Cattleyas.....	per doz., 6.00	Adiantum.....	per 100, .75
Wild Smilax, Parlor brand, per case,	\$3.25; medium, \$4.25; large, \$5.50		

WE GROW ALL OUR OWN FLOWERS
AND GUARANTEE THEIR FRESHNESS.

WHOLESALE FLORISTS

WE SOLICIT A TRIAL
ORDER.....

ALL TELEGRAPH ORDERS
GIVEN CAREFUL &
IMMEDIATE ATTENTION

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

GEO. REINBERG,

Wholesale
Grower of *Cut Flowers*

Choice American Beauties

We will take care of your orders at
reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of *Cut Flowers*

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

It is good business policy
to mention the

....American Florist

when you write to an advertiser.

J. A. BUDLONG

WHOLESALE GROWER OF

Cut Flowers

ROSES AND CARNATIONS
A SPECIALTY.

37-39 Randolph St., CHICAGO, ILL.

WIETOR BROS.

Wholesale
Growers of *Cut Flowers*

All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention
paid to shipping orders.

76 and 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Flower Markets

CHICAGO, Oct. 19.	
Roses, Beauty, extra long stems	3.00@4.00
" " 30 inch	2.50
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.25
" " 12 " "	1.00
" " 8 " "	.75
" " Bride, Bridesmaid.....	3.00@ 5.00
" " Perle.....	2.00@ 4.00
" " Meteor.....	3.00@ 5.00
" " La France.....	2.00@ 4.00
" " Golden Gate.....	6.00@ 8.00
" " Liberty.....	4.00@ 6.00
" " Kaiserin.....	4.00@ 6.00
Carnations.....	1.00@ 1.25
" " fancy.....	1.50@ 2.00
Chrysanthemums, per doz.	1.50@ 4.00
Lily of the valley.....	4.00@ 5.00
Adiantum.....	1.50@ .75
Common ferns.....	per 1,000 1.50
Smilax.....	per dozen 1.25@ 1.50
Asparagus.....	per dozen 5.00@ 6.00



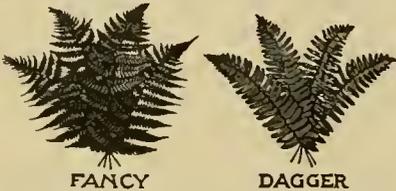
64 WABASH AVE.
CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

IT IS GOOD BUSINESS POLICY TO MENTION THE
AMERICAN FLORIST WHEN YOU WRITE TO AN
ADVERTISER.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.
 Sole Agents for FREYTEDTS' Immortelle Letters and Emblems. Block Letters, \$2 per 100. Script Letters, \$4 per 100.
 Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES. Acknowledged by all florists the best in use. Special prices for doz. lots.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.



HARDY CUT FERNS
 In 1000 lots, 75c per M. Discount on larger orders.
 Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc., etc.
L. B. BRAGUE, Hinsdale, Mass.

Southern Wild Smilax
 \$2.00 per 60 pound Case.
 \$1.25 per 30 pound Case.
 Discount to wholesale dealers. Cases lined with a fine quality lining paper to protect from heat or dirt. Thoroughly packed with Extra Selected stock, and weighs 60 and 30 pounds, but are shipped at 50 and 25 pounds. Express Rates 25 per cent less than merchandise rate.
 Telegraphic orders given prompt attention.
 Address: R. A. LEE, Evergreen, Ala.
 TERMS: Cash with order, C. O. D. or check on receipt of goods.

Bronze Galax Leaves
 \$1.25 per 1000. Every leaf guaranteed perfect.
 Try a sample FIFTY for ten cents in stamps, delivered FREE.
AMERICAN ROSE CO., Washington, D. C.

Wholesale Florists, JOBBERS IN
 Always on Hand: **FLORISTS' SUPPLIES**
 CARNATIONS, BRIDESMAIDS, BRIDES.
FLORISTS' VASES.
 Horticultural Auctioneers.
 84 HAWLEY STREET, BOSTON.

Geo. A. Sutherland, Boston Flowers.
WHOLESALE DEPOT FOR
All Florists' Supplies,
 67 BROMFIELD ST., BOSTON, MASS.
 Price lists mailed.
 A good adv. in a good paper will bring good returns.

Wholesale Flower Markets

PHILADELPHIA, Oct. 18.

Roses, Tea.....	2.00@ 3.00
" " extra.....	4.00@ 6.00
" Beauty, extra.....	20.00@ 30.00
" " firsts.....	10.00@ 15.00
Carnations.....	1.00@ 1.50
" fancy.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Tuberose.....	3.00
Chrysanthemums.....	15.00@ 25.00
Violets, single.....	.25@ .50
" double.....	.50@ 1.00
Asparagus.....	25.00@ 50.00
Smilax.....	12.50@ 15.00
Adiantum.....	.75@ 1.00

BOSTON, Oct. 17.

Roses, Beauty, extra.....	15.00@ 25.00
" " medium.....	6.00@ 12.00
" " culis.....	2.00@ 5.00
" " Bride, Bridesmaid, Meteor.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" " Kaiserin, Carnot.....	4.00@ 8.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Chrysanthemums.....	6.00@ 12.00
Violets.....	.50@ .75
Cosmos.....	.50@ 1.00
Cattleyas.....	15.00@ 25.00
Adiantum.....	.50@ 1.00
Smilax.....	8.00@ 12.00
Asparagus.....	50.00
Hardy ferns.....	.20

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
ST. LOUIS, MO.
 A complete line of Wire Designs.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer, Wholesale Florists
 1604 LUDLOW STREET,
 PHILADELPHIA.
 Phone 1-42-69-A.
 Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 PHILADELPHIA, PA.
 LONG DISTANCE PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-26 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG... Largest Grower of... in the West. Cut Flowers
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,
 NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.
 Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co., WHOLESALE FLORISTS.
 416 Walnut St., CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders

I Have Room for a Few More Regular Consignors of Good Roses. * *
A. H. LANGJAHN, 19 Boerum Place, BROOKLYN, N. Y.
 OVER 150 FLOWER STORES IN BROOKLYN. MONEY SURE. TEN YEARS ESTABLISHED.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

**Walter F. Sheridan,
Wholesale Florist,**

Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

**YOUNG & NUGENT,
WHOLESALE FLORISTS** 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.
TELEPHONE 2065 MADISON SQUARE.

**WILLIAM GHORMLEY,
Wholesale Commission Florist,**
57 W. 28th. St., NEW YORK CITY.
Telephone 2200 Madison Square.
Special attention given to Shipping Orders.
CONSIGNMENTS SOLICITED.

**JOHN YOUNG,
ROSES, CARNATIONS, VALLEY**
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It
will be to your advantage.
WM. H. GUNTHER,
30 West 29th Street.
New Telephone No. 551 Madison Square.

**FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,**
408 E. 34th Street,
NEW YORK.
Cut Flower Exchange,
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....
DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.
JOHN DONALDSON, Secretary.

**MOORE, HENTZ & NASH,
Wholesale Commission Florists,**
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.
Choice Stock Shipped on a Commission.

Rose, Violet and Carnation Growers,
Consign to
M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Oct. 17.

Roses, Beauty, select	15.00@25.00
" " medium	6.00@10.00
" " culls	2.00@ 4.00
" Bridesmaid, Bride, Meteor	.50@ 2.00
" " select	3.00@ 6.00
Carnations	.75@ 2.00
Lily of the valley	2.00@ 4.00
Cattleyas	10.00@20.00
Chrysanthemums	6.00@25.00
Smilax	8.00@10.00
Asparagus	25.00@35.00
" Sprengerii, per doz. bua.	.75@1.00
Adiantum	.50@ .75
Tuberose, spikes	1.00@ 1.50
Violets	.35@ .50
Gardenias	10.00@12.00

BUFFALO, Oct. 18.

Roses, Beauty	10.00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin	6.00@ 7.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Lotus blooms	12 1/2c each
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

**MILLANG & CO.
WHOLESALE
Commission Florists**
48 West 28th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.
Please mention the American Florist when writing.

The New York Cut Flower Co.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

**GEORGE SALT FORD,
Violets**
Wholesale
Commission Dealer In
50 W. 29th St., NEW YORK.
Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

**FORD BROS.
Wholesale Florists**
111 West 30th Street, NEW YORK.
READY FOR VIOLETS. Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

**S. J. LIMPRECHT,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.**
Also all kinds of Greens for Decorations.
119 West 30th Street, NEW YORK.
Telephones 1438 Madison Square.
Consignments Solicited.
Cut Flowers, all varieties and all grades,
at New York market rates
M. A. HART,
44 W. 29th St., NEW YORK CITY.

**J. K. ALLEN'S POPULAR WHOLESALE
CUT FLOWER HOUSE**
At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled
and well sold. Excellent facilities. * * * *
Telephone 197 Madison Square.

Season Open **EDW. C. HORAN,** Special in
47 WEST 28TH ST., NEW YORK.
Violets 'Mums Gardenias CUT FLOWERS AT WHOLESALE. Roses:
Liberty, Pres. Carnot, Kaiserin, Meteor, Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLOJANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

THE radish seed crop is very small, whole fields yielding next to nothing.

VISITED CHICAGO: John Watts, of the John R. Watts Seed Co., Louisville, Ky.; Mr. Chesmore, of the Chesmore-Eastlake Co., St. Joseph, Mo.

THE C. A. Smurthwaite Produce Co., of Ogden, Utah, has received the highest award, a silver medal, for their exhibit of alfalfa and timothy seeds at the Paris Exposition.

THE tomato seed crop in Michigan is turning out very poorly and may fall short of the estimates, notwithstanding that these were made out on a very conservative basis.

The Seed Harvest.

The outlook for the seed crop, says the *Gardener's Chronicle*, is by no means assuring, as from every quarter there is evidence of an unusual shortage of all agricultural and vegetable seeds. This is attributable in a large measure to the drought which prevailed at the planting season a year or so ago. In addition to this, many of the plants put out were killed by the severe winter.

In March last the plants of mangel, standing for seed, which had been put out in the previous August, then looked flourishing but the severe drought which followed caused many of the roots to go blind. This applies particularly to the tender sorts, such as Golden Taokard. The average of the mangel crop is only about one twentieth of its usual bulk and from France and Germany have come reports showing that the crops there are also very short.

The yield of white-fleshed turnips is more satisfactory than that of mangel or swedes. When the plants started into growth in the spring, however, the forcing weather caused them to become thin and drawn, so that at the time of blooming a well-branched plant was the exception. Consequently the seed crop was decidedly light. The acreage for swede turnips was less than has been known for many years, and anyone taking a journey to the swede growing districts would see a solitary field here and there instead of hundreds of acres. In July and early August violent winds wasted much of the seed, in some cases resulting in an almost entire loss of crop.

With regard to the general crops of peas, it may be stated that the first early varieties, both round and wrinkled, show very short supplies, owing to the general drought. Storms in Germany and drought in Canada have severely affected the yields in those countries. Late peas promise rather better but of no section can it be said that there is an average crop. Blue peas are about three-fifths of an average crop and samples are small. The markets in which these are quoted opened at about twenty per cent advance in value as compared with the corresponding period last year.

Radishes are much scarcer than has been experienced for years. The crops in France are an absolute failure. The German crop was reduced to a lower level of yield. English crops are still standing on the ground, but they are not good.

Parsnips and parsley are both short crops and further illustrate that there is everywhere a general shortage of yield.

ALBANY, N. Y.—The will of the late Louis Menand was admitted to probate September 24. It distributed an estate of \$49,500 among his sons and daughters.

TACOMA, WASH.—The Tacoma Gardeners' and Florists' Association has held no meetings for nearly a year, the members many of them being in Alaska.

PALM SEED, KENTIA BELMOREANA.

Fresh importation, just arrived in prime condition; 1000 at \$4.00 per 1000; 5000 at \$3.75 per 1000; 10,000 at \$3.50 per 1000.

JACKSON & PERKINS CO., Newark, New York. Please mention the American Florist when writing.

SEVERAL very large shipments of JAPAN LONGIFLORUM have arrived in very bad condition—more than half of the bulbs having been lost by heating. This large loss will make a scarcity in this article, and probably many dealers will be unable to fill their orders in full. If you do not succeed in getting your full supplies, we have still to offer a fine lot of

BERMUDA-GROWN LONGIFLORUM

These Bulbs are in splendid shape. We can supply them at \$14 PER CASE; 350 Bulbs to the case. We also have a fine stock of

LILIUM HARRISII

7-9 inch size is generally scarce, but we have a very fine stock of this size still on hand—a lot of bulbs that were left in the ground and dug late, and in consequence they are in grand shape. Bulbs are plump, bright and clean, and as fine a lot of Harrisii as anyone would want to handle. We can supply these, as long as unsold, as follows:

5-7's, 400 bulbs to the case, only \$16 per case. 7-9's, 200 bulbs to the case, only \$18 per case.

Order at once before we are sold out.

We also offer a very fine stock of

WHITE ROMAN HYACINTHS

Extra quality bulbs, 12-15 ctm., in case lots, 2100 bulbs to the case, \$16.00 per 1000.

Paper White Narcissus Grandiflora

Case lots, about 1300 bulbs to the case, \$7.50 per 1000.

5% discount from above-named prices when cash is remitted with order.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

...SPECIAL BULB OFFER...

- FRENCH WHITE ROMAN HYACINTHS—12-15 cent. at \$1.75 per 100; \$16.00 per 1000.
- DOUBLE VON SION NARCISSUS—Large Double Nosed Bulbs at \$1.75 per 100; \$16.50 per 1000.
- PAPER WHITE GRAND NARCISSUS—75 cts. per 100; \$6.75 per 1000.
- FREESIA REFRACTA ALBA—50 cts. per 100; \$4.00 per 1000.
- CHINESE SACRED LILIES—Per basket (30 bulbs), \$1.50; per mat (120 bulbs), \$5.50.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market Street, PHILADELPHIA, PA.

BULBS! BULBS! BULBS! White Romans, 12-15, at \$1.60 per 100. Double Nosed Von Sion (large) \$2.00 per 100. Paper Whites, large size, @ \$1.00 per 100. Harrisii, 5-7, at \$5.00 per 100; 7-9 at \$10.00. Lilium Longiflorum, large flowering, 7-9, at \$7.00 per 100. Special prices on Dutch Hyacinths and Tulips.

THE VAIL SEED CO., Indianapolis, Ind.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

We have a surplus of WHITE

CALLA BULBS

of about 1-in. diameter, all bloomers, \$4.00 per 100. A bargain. Sample free.

VAUGHAN'S SEED STORE,

84 Randolph St., ...CHICAGO.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Sable, Alfalfa Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Law Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Polish Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

Always mention the.....

American Florist

when writing advertisers.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY

Lilium Longiflorum Japan, 5 to 7-in.	.....	\$20.00
" " " " 6 to 8 "	.....	30.00
" " " " 7 to 9 "	.....	50.00
" " " " 9 to 10 "	.....	90.00
" Harrisii ... 7 to 9-in., per 100.		\$3.00 75.00

Dutch Hyacinths, Narcissus, Tulips, &c.

J.M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Holly. Finest Quality Any Quantity.

Write us for prices delivered at your door.

CALDWELL The WOODSMAN CO Inc. Evergreen. Ala.

BOSTON FERN SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

KENNICOTT BROS. CO., Wholesale Commission Florists.

WRITE FOR OUR PRICES ON WIRE WORK.
YOU CAN'T DUPLICATE THEM ANYWHERE.

42 and 44 E. Randolph St.,
CHICAGO.

Chrysanthemums. \$2 to \$4 per dozen.

Am. Beauty, \$8 to \$25 per 100.

Cut Flower Price List Violets. 60c to \$1 per 100.

Per 100	
Beauties, long.....	\$20.00 to \$25.00
“ medium	10.00 to 15.00
“ short	6.00 to 8.00
Brides, Maids	2.00 to 4.00
Perles and Meteors	2.00 to 4.00
Carnations	1.00 to 1.50
Violets .....	.60 to 1.00
Valley	4.00
Adiantum .....	.50 to .75
Common Ferns	per 1000, 2.00
Smilax	per doz., \$1.25 to 1.75
Asparagus	“ 6.00
Leucothoe Sprays .....	.75 1.00
Galax, Green	\$.100 per 1000

Valley, \$4 per 100.

Roses, \$2 to \$4 per 100.

Carnations, \$1 to \$2 per 100.

PLENTY OF CHEAP STOCK IF WANTED; NAME YOUR PRICE.

100,000 FERNS IN FLATS - - -

At One Cent.

Good, hardy plants in flats, twelve best market sorts. If potted now in small pots worth five times the money in a week or two. Safe arrival guaranteed, and liberal count.

\$10 per 1000 by Express. Sample
100 Mailed for \$1.25.

Pteris Cretica Alba, P. Tremula, P. Sulcata, P. Hastata, P. Adiantoides, P. Longifolia, Adiantum, Lomaria, Lygodium, Nephrodium, Cristatum, Blechnum, Selaginellas, etc., etc. Post orders Washington.

JOHN H. LEY, Good Hope, D. C.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Ferns in Variety

	Per 100
2 1/4-inch pots	\$3.00
Cyrtomeria Japonica, Japan Cedar, 2 1/4-in.	5.00
Cyperus Alternifolius, Umbrella Plant, 2-inch.	2.00
“ “ “ 3-inch.	3.00
“ “ “ 4-inch.	5.00
Grevillea Robusta, Silk Oak, 4-inch.	7.00

LOW EXPRESS RATES.

J. S. BLOOM, RIEGELSVILLE, PA.

Latania Palms.

Choice stock in fine condition.

5-inch, 35c. 6-inch, 50c. 7-inch, 75c.

ALSO

1000 FIELD-GROWN ROSES 3 ft. high and strong,
Brides, Maids and Meteors. La France and
Kaiserin, 8 cts. Ready Nov. 10.

JOY & SON, NASHVILLE, TENN.



LILIES Always

SELL WELL AT GOOD
PRICES FOR EASTER.
THERE IS NO REAL
EASTER WITH-
OUT THEM.

PLANT NOW.

===Japan===

Lilium Longiflorum.

WE HAVE A LARGE STOCK OF UNUSUALLY

FINE BULBS

IN THE FOLLOWING SIZES:

	Per 100	Per 1000
6 to 8-inch	\$3.75	\$33.00
7 to 9-inch	5.50	50.00
9 to 10-inch	8.75	80.00

Special prices quoted for quantities.

VAUGHAN'S SEED STORE,

CHICAGO:
84-86 Randolph St.

NEW YORK:
14 Barclay St.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

ELLWANGER & BARRY received a first prize at the Paris Exposition for their exhibit of 118 varieties of pears.

THE horticultural department of Cornell University recently imported fifteen baskets of grapevines from Germany and the customs collector at the port of New York assessed duty at the rate of \$1 per thousand, but the general appraiser sustained a protest and admitted the importation free as botanical specimens.

Bridgeport, Conn.

SALES FOR GREENHOUSE FLOWERS DESPITE THE LATE FALL — LARGE STOCKS EVERYWHERE. — MATTERS OF INTEREST.

Although there are plenty of outdoor flowers, on account of the warm weather, the demand for roses and carnations is growing every day. While plant trade is still slow, every man in the trade here is ready with a large stock when it opens, and no doubt competition will bring the prices of palms, ferns and blooming plants to rock bottom. Carnations, roses and violets are in fine condition everywhere in this locality.

J. Austin Shaw, Martin Reukauf and a score of other salesmen of the craft have visited here lately. Their tales of the prosperity of our western and southern brethren in the trade make one think of Horace Greely's advice: "Young man, go west," etc. Martin Reukauf tells a hair-raising tale of a narrow escape from the Galveston disaster. We are all glad he escaped, for his visit is always a pleasure, and there is one good thing about Martin, he never exaggerates.

Carl C. Reck, son of John Reck, is anchored in Germany for a year. He is at present working in the Wilhelm Pfitzer establishment in Stuttgart, and from there he will go to Erfurt to put in the rest of the year with Haage & Schmidt. From there he will go to Belgium, France and England.

The West End Greenhouses have been dismantled. Some fine residences are to be built on the land they occupied. The store business of the firm will be continued. There has been but little new building in this neighborhood.

BRAZIL.

Xmas Specialties.

Baby Primrose,
2 1/4-inch, \$2.00 per 100; 3 1/4-inch, \$4.00 per 100.
Browallia Gigantea,
2 1/4-in., \$3 per 100; rooted cuttings, \$1.50 per 100
Plants are A1, and your money back if not satisfactory.

CASH, PLEASE.

HENRY EICHMOLZ, Waynesboro, Pa.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Jardinere Ferns,

ELEGANT STOCK,
\$3.00 a Hundred - - \$25 00 a Thousand
Roses for the South,

Varieties most adapted for southern planting. Just the thing you want. Stock A1. Write for prices.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

McCARTHY'S PLANT AUCTIONS.

EVERY TUESDAY AND FRIDAY, 9:30 A. M., for mutual advantage of Grower and Buyer.

84 Hawley St.

BOSTON, MASS.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns;
Otaksa, Red Branched, Thos. Hogg,
PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, MR. J. AUSTIN SHAW is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

DECIDUOUS TREES

Medium and large sizes, including Oaks, Maples, Oriental Plane, Beech, Birch, Ginkgo, Elms, Ash, Linden, Magnolias, Coplars and Willows.

We have an immense stock of the above and are prepared to name liberal rates in quantity. Personal inspection invited. Correspondence solicited.

THE WM. H. MOON CO., Morristown, Pa.

NURSERIES 30 miles from Philadelphia, 60 miles from New York.
PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Field-Grown VINCA VAR. VINES

Per 100
First size, from 4 to 6 long vines to plant.... \$4.00
Large size, " 7 to 10 " " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

Field-Grown Carnations Glacier, Evanston, Jubilee, Armazindy, Dana, Meteor, Bridesmaid, Eldorado, Portia, Scott, all others sold. Fancy stock, \$5; ordinary, \$3.
CASH. DANA R. HERRON, OLEAN, N. Y.

CARNATIONS FIELD-GROWN PLANTS

Genevieve Lord, only 1000 extra-fine plants left. These plants are under cover, safe from frosts. We recommend it as a fitting successor to Wm. Scott, and the most profitable Carnation ever offered to the trade. Per 100, \$12.00; 200 or more at \$10.00; 500 at \$7.50.

James Whitcomb Riley, \$12.00 per 100.

Also a few Daybreak, Pingree and Wm. Scott, fine plants; to close out, \$5 per 100.

H. WEBER & SON, Oakland, Md.

PRIMROSES.

Per 100
Chinese, single mxd large flowering fringed, \$1.50
Obconica GRANDIFLORA and ROSEA..... 2.00
ASPARAGUS Sprengerii, 2-inch pots..... 2.50
" Plumosus, 2-inch pots..... 3.50
Pansy Plants, large flowering, 1000, \$2.50..... .50

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

CARNATION PLANTS.

WHITE CLOUD.....\$4.00 per 100
MRS. BRADT..... 5.00 "
FLORA HILL and EVANSTON.... 4.00 "
GOLD NUGGET..... 4.00 "
SCOTT, PORTIA and VICTOR..... 3.00 "

ROSE PLANTS.

METEORS, 3-inch pots.....\$1.50 per 100
BRIDE and BRIDESMAID, 3-in. pots 2.00 "

Special price to close out. Strictly first-class and in fine shape.

A. G. PRINCE & CO, 76 & 78 Wabash Av., Chicago

SHRUBBERY...

300 Hydrangea P. G..... 2 1/4 to 3 feet, @ 8c
50 Golden Elder..... 3 1/4 to 4 feet, @ 10c
50 Golden Mock Orange, 2 1/4 to 3 feet, @ 8c
100 Spiraea A. Waterer... 2 1/4 to 3 feet, @ 8c
50 Althea Double Red... 3 to 4 feet, @ 8c
50 Japan Snowball..... 2 1/4 to 3 feet, @ 8c
50 Common "..... 3 to 4 feet, @ 10c
All fine young, bushy stock.

W. P. BRINTON, Christiana, Pa.

...AN...

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of \$2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

SOUTH PARK FLORAL CO.

.....NEW CASTLE, INDIANA.....

AMERICAN BEAUTY ROSES.

Every point that goes to make absolutely good Beauties, size, color, stem, form, substance, foliage, and last but not least, keeping quality, you will find in our Beauties.

Making a specialty, as we do, of Beauties, there is not a point that we fail to perfect.

We have large, new houses built especially for Beauties, soil especially adapted to them; both hot water and steam heat in every house, and boilers heated by natural gas from wells on our own place.

We are producing absolutely strong, healthy stock. The kind that can be depended upon to ship well and keep well. We are now cutting 1000 to 1200 Beauties per day and 1500 to 2500 tea roses.

E. C. AMLING, Chicago, sells our stock. COMMENCE BUYING OF HIM NOW and you can depend on getting it all winter.

SOUTH PARK FLORAL CO.

AZALEAS.

Special Prices for Immediate Orders.

If you have not yet placed your order for Azaleas it will be to your interest to do so at once, thereby securing the choice of the stock at lowest cost for transportation, as the plants can now be forwarded with perfect safety by fast freight, even to the most distant points.

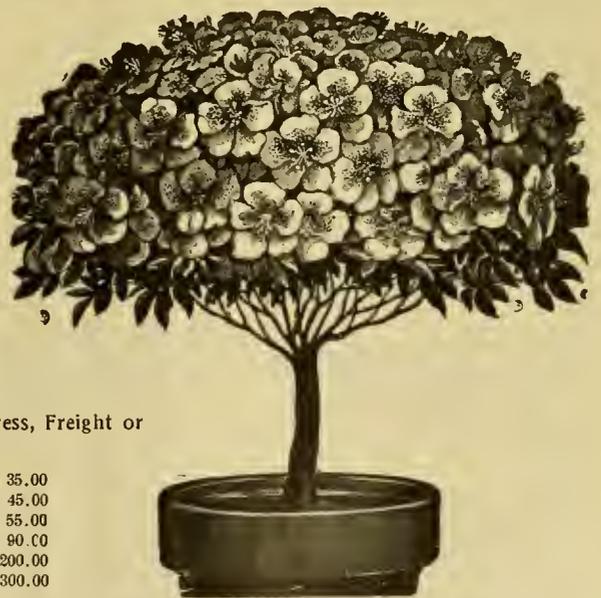
All of our importations of Azaleas are sent here in bulk, and all are repacked at our own nurseries, so that any plants that may have not carried well are set aside. This insures our customers of securing only first-class stock, which cannot be compared with cheap assorted case lots, which are made up in Belgium and are distributed on this side just as received, frequently not only containing damaged plants, but also, as a rule, many varieties not at all suited to the American trade.

The varieties we supply are only the most popular sorts suited to the American market. Our own representatives make personal inspection of the plants in Belgium previous to shipment, thus enabling us to secure the best stocks grown.

PRICES.

Include duty, packing and delivery in good condition to any Express, Freight or Steamship Line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter.....	per doz., \$ 4.50; per 100, \$ 35.00
12 to 14 " " " "	" 6.00 " 45.00
14 to 16 " " " "	" 7.50 " 55.00
16 to 18 " " " "	" 12.00 " 90.00
18 to 20 " " " "	" 25.00 " 200.00
20 to 24 " " " "	" 36.00 " 300.00



HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

PERLES, MAIDS, 3-INCH, ...SELECT.

Choice, strong stock; will pay for themselves in a few weeks. \$4.00 PER 100.

NOTE THIS OFFER: We need the room and will pay express charges on orders of 300 or more to places within 400 miles, or half of charges to points within 1000 miles.

W. H. GULLETT & SONS, Lincoln, Ill.

Please mention the American Florist when writing.

4 Acres Field-Grown Carnation Plants, 120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and are packed light by our improved method of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINCREE
MELBA
SWEETBRIER
MRS. FISHER

CRIMSON SPORT
MAUD ADAMS
METEOR
ALBERTINI

JUBILEE
MCGOWAN
FLORA HILL
DOROTHY SWEET

ELDORADO
L. L. LAMBORN
PORTIA
C. A. DANA

\$1.00 per dozen. \$5.00 per hundred.

J. L. DILLON, Bloomsburg, Pa.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The next meeting of the Bowling Club will be at Arlington Hall, 19-23 St. Mark's place, between Second and Third avenue on Eighth street, Monday, October 22. Games rolled on October 15 on the above alleys were as follows:

Player	1st	2d	3d	4th	Av
Lang.....	144	175	130	196	161
Burns.....	112	131	129	150	131
Marshall.....	124	146	112	142	131
Lentz.....	169	130	140	132	138
Treadly.....	156	158	108		106

At Denver.

The following is the score made at Denver on October 9:

Player	1st	2d	3d	4th	Av
Chas. Thiess.....	176	230	197	170	193
Geo. Zimmer.....	168	181	197	195	185
N. A. Benson.....	151	197	196	175	179
Neil Jakobsen.....	143	144	188	210	171
Phil. Scott.....	128	156	199	179	165
Chas. Franz.....	163	181	146	145	159
John Berry.....	114	181	185	146	159
A. L. Mauff.....	145	135	181	160	155
Ben Boldt.....	115	142	132	118	126
A. M. Lewis.....	122	112			118
Chas. Meyer.....	90	137	110	108	111
C. Benson.....	89	134	133	83	109
J. A. Valentine.....		89	150	90	107

C. J. T.

At Philadelphia.

The alleys are well patronized these days and some very good scores are made. John Westcott is right in it, making three two-hundreds the past week, 210, 233 and 212, and enviable record. The first team is considerably elated with their victory over the strong Century Wheelmen's six. They, next to the florists, of course, are the best bowlers in the city and this is but the second time they have been defeated on their own alleys, where the game was played Monday, October 8. The florists' score was as follows: Moss, 486; Connor, 414;

Harris, 422; Johnson, 570; Westcott, 457; Allen, 501. Total, 2850. Century's total, 2841, the florists winning by nine pins. As it is hardly likely that the Centurys can win in the return match on our alleys, the florists will, if they win, hold the championship of the city. K.

At Flatbush.

The new alleys are still puzzling the boys and scores are not of the kind to incite to shouting or call forth levity. Should any of our readers meet a Flatbush man and note an unwonted, troubled and careworn look on his countenance the trouble can be attributed to these new alleys and incorrigible new pins. But better things are hoped for in the near future. On Thursday evening, October 11, scores were recorded as follows:

Player	1st	2d	3d	Av
E. Dailledouze.....	138	157	146	147
Riley.....	143	147	148	146
A. Zeller.....	160	136	133	143
Raynor.....	120	154	115	130
H. Dailledouze.....	151	120	115	129
P. Dailledouze.....	118	126	109	118
Woerner.....	126	106	105	112
Wooker.....	122	103	90	105
C. Zeller.....	130	91	80	100

At Utica.

The Utica Florists' Bowling Club was organized last week at a meeting held at Baker's greenhouses, where the following officers were elected: President, Peter Crowe; vice-president, William Mathews; secretary and treasurer, J. C. Spencer; captain, Frank Baker. During the season practice meetings will be held every Monday evening. Following is the initial record:

Player	1st	2d	3d	Av
Baker.....	149	154	196	166
Rowlands.....	146	153	126	142
Wileox.....	154	119	118	130
H. Mathews.....	123	125	103	117
Spencer.....	116	124	121	117
Crowe.....	107	128	108	114
Day.....		95	128	111
Kaifer.....	121	102	101	108
Dun.....		85	131	108
Tomey.....	115	79	85	93
Murphy.....	78	98	82	86
Hildebrand.....	88	84	79	81

QUIS.

PITTSBURG, PA.—Superintendent William Falconer states that his chrysanthemum show at Phipps conservatory next month will include 18 000 plants.

Field-Grown CARNATIONS

Daybreak, Scott, Portia, Silver Sprav, Genesee, Cartledge, Jubilee and Triumph, } \$5 per 100, \$40 per 1000

FIELD-GROWN VIOLETS,

Pot-Grown Violets, 3-inch, \$3 per 100; 4 inch, \$4 per 100.

WM. F. KASTING, 481 Washington Street, BUFFALO N. Y.

A FEW HUNDRED

CHOICE Carnation Plants

STILL ON HAND.

Mary Wood, Scott, McGowan.

W. P. HARVEY, - Geneva, Ill.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS.

Send for prices of thirty-five best new and standard varieties.

GEO. HANGCOCK & SON, Grand Haven, Mich.

MARQUIS

CARNATIONS, field-grown,

\$10 to close balance of stock.

L. E. MARQUISEE, Syracuse, N. Y.

SURPLUS CARNATIONS.

10,000 FIELD-GROWN

Hardy and first-class. Daybreak, \$3.50; Flora Hill, \$4.50; Scott, \$3.50; Dean, \$4.00; Crane, \$6.00; Joost, \$4.50; J. Young, \$1 00; Mrs. Bradt, \$7.00; Edith Foster, \$5 00.

GEO. O. CALDWELL, Scranton, Pa.

SCOTT, PORTIA, ELDORADO and METEOR, \$2 per 100.

WM. MURPHY, Carnation Grower, Station F, Cincinnati, O.

40,000 'MUMS 40,000

Buyers of Chrysanthemums will remember that last year we filled all orders promptly with stock of extra quality. This year we shall have equal supplies, 40,000 blooms of all varieties, from early to late (Oct. 20 to Christmas), of quality equal if not better than last year's. Don't place any orders without writing to us. Watch for list of varieties in next week's American Florist.

J. A. BUDLONG,

WHOLESALE GROWER OF CUT FLOWERS,

37-39 Randolph Street, Chicago.

McKellar & Winterson

WHOLESALE DEALERS IN
=== EVERYTHING FOR FLORISTS ===

CUT FLOWERS AND PLANTS.

	Per 100
Beauties, long	\$20.00 to \$25.00
" medium	10.00 to 15.00
" short	6.00 to 8.00
Brides, Maids	3.00 to 5.00
Perles and Meteors	3.00 to 5.00
Carnations	1.00 to 1.50
Valley	4.00 to 5.00
Lilies	12.00 to 15.00
Adiantum	.75
'Mums, select	per doz., 2.50 to 3.00
ordinary	1.50 to 2.00
Cattleyas, select	5.00 to 6.00
Common Ferns	per 1000, 1.50
Smilax	per doz., \$1.25 to 1.50
Asparagus	5.00 to 6.00
Ivy	per 100, .50
Leucothoe Sprays	.75
Galax, Green	per 1000, 1.50

SEEDS AND BULBS.

Freesia, Bermuda, select	per 1000, \$ 5.50
extra select	6.50
Longiflorum, 7 to 9	per 100, 10.00
Candidum, extra select	5.00
Vou Sion Narcissus, extra select	per 1000, 11.50
Paper White	10.50
Dutch Hyacinths, select, separate colors	per 100, 4.50
Crocus, separate colors	per 1000, 2.50
Tulips, extra fine mixed	7.50
Have also fine stock of named Hyacinths and Tulips and all other seasonable bulbs.	
Give us your orders. Our prices are right.	
	Trade pkt.
Pansy Seed, Florists' Best, oz.	\$8.00 .25
Cyclamen, Giant Flowered	.50
Calceolaria, Finest Mixture	.50
Cineraria, Choicest Mixture	.50
Gloxinia Ilybrida, Choicest Mixture	.50
Primula Obconica, Choicest Mixture	.50

SUPPLIES, ETC., ETC.

Sphagnum, burlap bales, each, \$1; 6 for	\$ 5.00
wire pressed, " 75c; 6 for	4.00
Tobacco Stems, fresh, 200 lbs. for	1.50
Preserved Cycas Leaves, assorted, 24 inches and up, per 100	15.00
Cape Flowers, white, per lb.	1.00
colored, "	1.50
Tissue Paper, manilla, per ream	.50
white, "	1.00
Wax " manilla, "	1.40
white, "	2.00
Doves, first quality, each, \$1.00; per doz	10.00
" second .85; " "	9.00
Rubber Aprons, each, \$1.50; per doz	15.00

Full stock of all Supplies, including Ribbons, Tin Foil, Toothpicks, Baskets, Wheat Sheaves, Bouquet Pins, Immortelles, Flower Vases, Jardinières, Artificial Palms, etc.

ALL SEEDS AND BULBS IN SEASON.

SEND FOR COMPLETE CATALOGUE.

Selling Agents for Glass, Building Material, Boilers, Pntty, Matica, Paints, Oil's, Sod Crushers, White Lead, Walker's Fertilizers, Imperial Liquid Fertilizers, Insecticides, Etc.

45,47,49 Wabash Avenue, CHICAGO, ILL.

80,000

FINE, LARGE, FIELD-GROWN

Carnation Plants

Your money refunded if plants are not satisfactory.

Scott, Pingree,
 McGowan, Evelina,
 \$2.50 per 100, \$20.00 per 1000.

Argyle, a deep pink, better than Scott.
 \$2.00 per 100; \$18.00 per 1000.

ROSE PLANTS.

METEOR } Large, strong plants.
 BRIDESMAID } Per 100, \$2.50; 1000, \$20.00.
 BRIDE }

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

100,000 CARNATION PLANTS

LARGE, HEALTHY, FIELD-GROWN PLANTS.

	100	1000
WM. SCOTT	\$2.50	\$20.00
LIZZIE MCGOWAN	2.50	20.00
EVELINA	2.50	20.00
ARMAZINDY	2.50	20.00
GOLD NUGGET	2.50	20.00
VICTOR	2.50	20.00
NIVEA	2.50	20.00

PETER REINBERG,

51 Wabash Avenue,

CHICAGO, ILLINOIS.

Carnation Plants

ARE ALL SOLD EXCEPT 4000 FLORA HILL, 500 SCOTT AND 200 PIERSON.

In order to close this lot out at once will sell cheap. Plants are good size and healthy. Write for prices if you want them.

Blooms of leading varieties now ready in small or large quantities. Write for quotations. Standing orders solicited. Also large quantities of Violet Blooms.

Address **CHAS. CHADWICK, Grand Rapids, Mich.** Lock Box 11

Field-Grown CARNATIONS

GEN. GOMEZ, MRS. BRADT and GLACIER, strong stock, \$6.00 per 100. PINGREE and ARGYLE, \$4.00 per 100.

ASPARAGUS }
 SPRENGERII } 2-inch \$3.00 per 100
 Strong stock. } 3-inch 4.00 per 100
 } 3½-inch 6.00 per 100
 } 4-inch 10.00 per 100

F. DORNER & SONS CO.,
 LA FAYETTE, IND.

STRONG FIELD - GROWN ROSES.

Am. Beauty, La France, \$20.00 per 100
 Brides, Maids 10.00 "
 Perles 12.00 "

These plants will fill 6 to 8-inch pots; were formerly grown on benches.

Strong field-grown Kaiserius, for 6-inch pots, \$12.00 per 100.

CASH WITH ORDER.

A. WALDBART, Hamilton Av. & Horton Pl., St. Louis.

Mayor Pingree Carnations

I have 1000 strong healthy plants of this fine yellow variety. Will close them out at \$3.00 per 100, or \$25.00 for the 1000.

W. W. COLES, KOKOMO, IND.

Carnation Plants.

Fine field-grown plants: Flora Hill, Scott, Daybreak, Lizzie McGowan, Mrs. Fisher, Victor, New York, Evanston, Albertini, Firefly. Pr cs. \$4.00 per 100.

SMILAX fine, 3-inch stock \$2.50 per 100

PLUMOSUS, fine, 3-inch stock \$5.00 per 100

CASH WITH ALL ORDERS, PLEASE.

VAN WERT GREENHOUSES, Van Wert, O.

Jacksonville, Ills.

It gives one great pleasure to visit Joseph Heinel's well equipped greenhouses. He has added this season two rose houses each 20x100, a propagating house 10x43 and two houses, 10x60 and 18x100, for carnations and violets. This gives him about 50,000 feet of glass. Garland's iron gutters were used in all the new houses. Mr. Heinel has the double ventilating system on all the new houses. The plant is heated by two Carmody and one No. 11 Kroeschelle boiler. There is a two horse-power gasoline engine to do the pumping and give an ample supply of water. Harry Heinel has full charge of growing the stock and it is something he may well be proud of. The new evergreen juniper, which Mr. Heinel imported some two years ago, is selling well. The flower and seed store is conducted by Will Heinel, where part of their stock is disposed of. Mr. Heinel has his winter's supply of coal all stored on the place. C. W. S.

PLYMOUTH, MICH.—Carl Heide has leased the Starkweather greenhouses here and is remodeling them, putting in a new heater and preparing to greatly increase his output.

Here's An Opportunity!

Home Grown Kentias, from 10c to \$10.00. Arecas, from 2½-inch pots up to large specimens.

Latanias, Phœnix, Araucarias, Cocos, Chineae Primroses, best strains.

Begonia Gloire de Lorraine, from 2½-inch to 8-inch pots.

Acalypha Sanderi.

Peruvian Peppers, the latest novelty.

Ferns in variety.

A large stock of first quality..... **Decorative Plants** especially grown for the New England trade.

WRITE NOW FOR PRICES; THEY ARE TEMPTING.

A. LEUTHY,
ROSLINDALE, MASS.

XXX Stock

For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, a splendid stock of plants, in bud, all colors, from 3-inch pots, \$7.00 per 100; \$65.00 per 1000.

BEGONIA REX—I have a most beautiful collection of this justly popular pot plant in the finest market varieties, from 2½ inch pots, strong plants, mixed, \$4.00 per 100; labeled, \$5.00 per 100.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

SMILAX

FINE PLANTS, out of 2-inch pots.

\$1.50 PER 100, \$12.50 PER 1000.

J. C. Schmidt, Bristol, Pa.

'MUMS 6-in. pot grown, single stem, with 3 to 4 buds or more, at \$1.50 to \$2.00 per dozen.

ROSES, Meteors, Perles, Maids and Brides; extra fine stock, 3-in., \$3.00 per 100, \$25.00 per 1000. Discount on large lots.

CARNATIONS, a bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for price list.

CRABB & HUNTER, Grand Rapids, Mich.

Please mention the American Florist when writing.

My BRANCHING

.... RUBBERS

Are the talk of the town.

I offer these and a full line of well-grown, stocky, decorative plants.

Handsome PRIMROSES and the sensational novelty PERUVIAN PEPPERS are now in finest condition.

PRICES RIGHT.

LOUIS SCHMUTZ,
FLATBUSH, BROOKLYN, N. Y.

CLIMBERS.

20,000 Clematis Paniculata, 2 yrs., fr. open ground, pot grown.

10,000 Iris, 1 year, open ground.

10,000 Ampelopsis Veitchii, 1 year, pot grown.

10,000 H. H.'s Honeysuckles, very strong.

5,000 Evergreen and Golden Honeysuckle, very strong.

10,000 Rosa Wichuraiana, 1, 2 and 3 years.

3000 Wichuraiana Hybrids.

2000 Actinidia Arguta, Wistaria and other vines.

THE WM. H. MOON CO., Morrieville, Pa....

NURSERIES } 30 miles from Philadelphia,

} 60 miles from New York.

PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

Acalypha Sanderi.

Strong 2½-inch plants, \$3.00 per 100.

Boston Fern

2½-inch, \$2.50 per 100; 3-inch, \$5.00 per 100.

The CONRAD & JONES COMPANY,
West Grove, Pa.

PÆONIES.

We have 100 named double varieties, selected for florists' use; all good for cut flowers.

1 each of 100 varieties..... \$15.00

1 each of 50 varieties..... 6.00

1 each of 25 varieties..... 3.00

Staudard Red, Pink and White, per dozen, \$1.20

INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.

Boston Ferns

FINE PLANTS from bench, ready for 6-in. pots, \$2.50 per dozen; from 2-in. pots, \$2.50 per 100. Rooted plants, strong, \$1.00 per 100.

DAVIS BROS., Morrison, Ill.

Please mention the American Florist when writing.

ASPARAGUS

Sprengerii and Plumosus Nanus

Extra strong stock from 2½-in. pots, \$5 per 100, \$40 per 1000. (Ready for 3-inch.)

JACKSON & PERKINS CO., Newark, New York.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL.
(N. Haisler St.)

Smilax Plants.

Strong, bushy plants from 2 and 2½-in. pots. Must sell to make room. \$5 a 1000, 75c a 100, cash. Write for sample and price on large lots.

R. KILBOURN, Clinton, N. Y.

CANNAS

Dry roots, ready in November; 30 best named sorts, per 1000.....\$15.00

CALADIUMS Fancy leaved, 40 named sorts. Per 100 Per 1000

Dry bulbs, 1½ to 2½-in..... \$10.00 \$90.00

Dry bulbs, 1 to 1½-in..... 8 00 70 00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in.....\$30.00

PHENIX CANARIENSIS & TENUIS, Very stocky.

3-4 characterized leaves, 15-18-in..... 15.00

4-5 " " 20-24 "..... 25.00

5-6 " " 24-30 "..... 40.00

PHENIX RECLINATA, 3-4 characterized leaves, 15-18-in., very stocky..... 25.00

LATANIA, 4-5 characterized leaves, 18-20-in..... 25.00

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in..... 12.00

Not less than 50 at above rates. Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.

Herr's == ALWAYS THE BEST AND BETTER EVERY YEAR.

Can take no more orders for delivery before November 15th.

Price 75c per 100 free by mail.

\$4 per 1000 by express at your expense.

Write me for prices on CARNATION CUTTINGS. I have fourteen houses of Stock Plants.

AGERATUM "Stella Gurney" ready now either from pots or rooted cuttings, by the 100 or 1000.

ALBERT M. HERR LANCASTER, PA.

Please mention the American Florist when writing.

ROEMER'S SUPERB PRIZE PANSIES.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of the Finest Pansies.

PANSIES WORTH RAISING

SEED, 3 16 oz., \$1.00; 1 oz., \$4.00.

PLANTS, 500, \$2.50; 1000, \$4.00.

F. O. B. express here. CASH WITH ORDER. Everything first-class.

CHR. SOLTAU, 199 Grant Av., Jersey City, N. J.

PANSIES THE JENNINGS STRAIN.

Highest standard plants, finest mixed, 60 cts. per 100 by mail; \$4.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies, Lock Box 254. SOUTHPORT, CONN.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz.

GERAN UMS, S. A. Nutt and others, 3-in., \$4 per 100.

NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.

ASPARAGUS PLUMOSUS, 2½-in., \$5 per 100, \$40 per 1000. ASPARAGUS SPRENGERII, 2½-inch, \$4.00 per 100; \$30.00 per 1000.

SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. Carl Hagenburger, W. Mentor Ohio.

GRYP OMERIA JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00.

ASPARAGUS SPRENGERII, 2-inch, \$2.50 per 100. SATISFACTION GUARANTEED.

E. I. RAWLINGS, Quekertown, Pa.

WIDE AWAKE FLORISTS ARE PUTTING IN THEIR CHRISTMAS STOCK OF PLANTS



Before cold weather, thereby taking advantage of low freight rates and the following very reasonable quotations for well-grown, strong, healthy Palms, Ferns and Decorative Plants.

Kentias--Latantias

Varieties	Size Pot	Height loches	No. Leaves Each	Per Doz.	Per 100
Kentia Belmoreana	2 1/2	8 to 9	3 to 4	\$ 1.50	\$12
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25	3.00 20
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00 30
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20 60
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00 90
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00 125
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00 180
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00 200
Kentia Belmoreana	8	42 to 48	6	3.25	39.00 300
Kentia Forsteriana	2 1/2	8 to 9	3 to 4	1.50	12
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00 20
Kentia Forsteriana	4	14 to 16	5 to 7	.40	4.00 30
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20 60
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00 90
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00 125
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00 180
Kentia Forsteriana	8	44 to 50	6	3.25	39.00 300
Latacia Borbonica	2 1/2		3	.60	5
Latacia Borbonica	3	12	5 to 6	1.00	8
Latacia Borbonica	3 1/2	12 to 15	5 to 6	.15	1.50 12
Latacia Borbonica	4	15 to 18	5 to 7	.25	3.00 20
Latania Borbonica	5	18 to 22	6 to 7	.50	5.00 35
Latania Borbonica	6	20 to 24	6 to 8	.60	6.00 50
Latania Borbonica	6	24 to 30	6 to 8	.75	9.00
Areca Lutescens	2 1/2	5 to 6	3 plants in pot.		8
Areca Lutescens	3 1/2	12 to 14	3	"	" 2.00 15
Areca Lutescens	4	15 to 18	3	"	.25 3.00 25

Our Stock of Kentias and Latantias includes all sizes, and the Plants are low, compact and clean; in fact, we never offered better.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place, - - - - CHICAGO, ILL.

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Cretica Albo-Lineata	2-inch	.50	4.00
Pteris Serrulata Cristata	2-inch	.50	4.00
Pteris Serrulata	2-inch	.50	4.00
Pteris Tremula	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtomium Falcatum	3-inch	1.00	8.00
Cyrtomium Falcatum	4-inch	1.50	10.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Bostoniensis	4-inch	2.00	
Nephrolepis Bostoniensis	5-inch	3.00	
Nephrolepis Bostoniensis	6-inch	6.00	
Nephrolepis Bostoniensis	7-inch pans	9.00	60.00

..Asparagus..

Varieties	Size Pot	Per Doz.	Per 100
Asparagus Plumosus Nanus	3-inch	\$ 1.00	\$ 8.00
Asparagus Plumosus Nanus	4-inch	1.50	12.00
Asparagus Plumosus Naous	5-inch	2.00	15.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	6-inch	5.00	
Asparagus Sprengerii	8-inch	10.00	

The several sizes of Asparagus Sprengerii are especially strong and large value.

Miscellaneous.

Varieties	Pot	Height	Leaves	Each	Doz.	Per 100
Araucaria Excelsa, 3-inch, nice plants					\$.50	
Araucaria Excelsa, 3 1/2-inch, nice plants					.75	
Araucaria Excelsa, 5-inch, nice plants					1.00	
Ficus Elastica	6	22 to 23	12 to 14	\$.75	\$ 7.20	\$60.00
Ficus Elastica	7	24 to 28	14 to 16		10.00	75.00
Ficus Elastica	8	28 to 34	16 to 18		12.00	100.00
Pandanus Utilis	2 1/2	6 to 8	10 to 12		1.00	8.00
Pandanus Utilis	3	8 to 10	12 to 15		2.00	15.00
Pandanus Veitchii	6	extra fine			18.00	
Dracæna Terminalis	3 1/2				2.00	
Dracæna Terminalis	4				4.00	
Dracæna Terminalis	5				6.00	

Miscellaneous--Continued.

Varieties	Pot	Height	Leaves	Each	Doz.	Per 100
Cocos Weddeliana	3			\$.25	\$2.00	\$15.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50		
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00	
Sansevieria Java Var., 2-inch, strong plants					dozen	.60
Sansevieria Java Var., 3-inch, strong plants					"	1.25
Sansevieria Java Var., 4-inch, strong plants					"	2.00
Cyperus Alternifolius, 5-inch					"	1.50
Cyperus Alternifolius, 6-inch					"	2.00



NEPHROLEPIS WITTBOLDII. Strong runners, ready for 3-in. pots, \$1 each; \$10 per doz.

Denver.

THE BUSY SEASON OPENS AUSPICIOUSLY.—ROSES VERY PLENTIFUL.—FROST FINISHES OUTSIDE MATERIAL.—VARIOUS NOTES.

Trade is picking up nicely and the season promises to be a good one. Chrysanthemums have begun to make their appearance, the Collax Company showing some very fine Mrs. Robinson. American Beauties and tea roses have been very plentiful; in fact the supply has been greater than the demand. Carnations are very scarce and poor. Violets are now on the market but poor in size and color. October 6 we had our first killing frost, which had the effect of making the assortment of flowers very limited. There has been great activity and many improvements going on during the dull season and the prospects are good for a busy winter and a supply of flowers to meet the demand.

Mrs. Mauff, in addition to remodeling her Logan avenue place, has added two new houses for carnations at the Harmon plant. This establishment never looked better, the stock being in the best shape; Brides and Bridesmaids are exceptionally fine.

A great deal of interest is being taken in the coming fall show to be held at the City Park the early part of November. This show is to be open to the public free, and the competition among the florists promises to be keen. C. J. T.

MONTPELIER, VT.—R. G. Robinson has disposed of his fixtures and retired from the florist business.

WESTBROOK, ME.—Benj. B. Nourse, formerly a manufacturer of plant trellises, folding plant stands and Wardian cases, died suddenly on September 24, aged 84 years.



Express Prepaid

ON ALL ROOTED CUTTINGS, AND SATISFACTION GUARANTEED.

- 50,000 Alternantheras, red and yellow, 60c per 100, \$5 per 1000
- Ageratum, 4 vars., Princess Pauline, 75c per 100, \$7 per 1000. A new rich blue, dwarf var., habit like Pauline, a good one; 75c per 100, \$7 per 1000.
- Cope's P.P., blue; Lady Isabel, white; 60c per 100, \$5 per 1000.
- Heliotrope 10 best vars., \$1 per 100, \$8 per 1000.
- Daisies, California White, Yellow, Castle Yellow, the only two vars., \$1 per 100, \$8 per 1000.
- Carnations, Flora Hill, \$4 per 100. Morello, \$4 per 100.
- Verbenas by the car load later on.

THAT CASH PLEASE.

G. HUMFELD, Clay Center, Kas.

MONEY IN VIOLETS.

Practice the methods of culture and marketing explained in Professor Galloway's book

Commercial Violet Culture,

224 pages, elegantly printed and illustrated. Price, postpaid, \$1.50.

- COMMERCIAL PLANTS, G. W. OLIVER.....\$1.00
- WATER GARDEN, WM. TRICKER.....2.00
- RESIDENTIAL SITES AND ENVIRONMENTS. J. F. JOHNSON.....2.50

Send for catalogue of other trade books.

A. T. DE LA MARE PRINTING & PUB. CO. Ltd., P. O. Box 1697, NEW YORK.

ROBT. CRAIG & SON
Roses, Palms
 and Novelties in Decorative Plants.
 Market and 49th Street, PHILADELPHIA PA.

Heacock's Premium Arecas

I have grown some specimen Arecas, plants that last year showed exceptional vigor. These are now in 14-inch pots, stand 8 to 9 feet high and very bushy. Each plant is perfect from all sides and great value for the price, \$25 to \$30 each. I also offer the following list of assorted Palms, all in perfect form and entirely free from insects or blemishes of any kind:

Areca Lutescens.

- 3 plants, 6-inch pot, 24 to 28-inches.....\$12 per Doz., \$100 per 100
- 3 " 8 " 36-inch, fine.....\$3 each.
- Specimen, 14 " 8 to 9 feet, very fine and bushy.....\$25 to \$30

Cocos Weddeliana.

- 1 plant, 2 1/4-inch pot, 8 to 10 inches high.....\$15 per 100
- 1 " 3 " 10 to 12 "20 "
- 1 " 4 " 18 inches high.....\$.50 each
- 3 " 5 " 18 "1.00 "

Kentia Belmoreana.

- 4-inch, 5 to 6 leaves, 15 inches high.....\$ 4.50 per doz., \$ 35 per 100
- 6 " 6 " 24 "15.00 " 125 "
- 8 " 6 to 7 " 30 to 32 inches high.....\$3 each.

Kentia Forsteriana.

- 4-inch pot, 4 to 5 leaves, 15-in. high.....\$4.50 per doz., \$35 per 100
- 6 " 5 " 24 to 28-in.....\$1.00 each, 12 per doz.
- 6 " 5 to 6 " 30 "1.25 " 15 "
- 8 " 6 " 36 to 40 "3.00 " 36 "
- 8 " 6 " 48 to 50 "4.00 " 48 "

JOSEPH HEACOCK, - Wyncote, Pa.

NOVELTIES.

New Daisy Rose SNOWFLAKE

See illustration in American Florist of September 15th.

\$3.50 per 12, \$15 per 100. Always in bloom.

- New Rose "Little Darling" or 1000 Blossoms, 75c per 12; \$6.00 per 100.
- Jack-and-the-Bean-Stalk Vine (Kudzu), \$1.00 per 12; \$7.00 per 100.
- Climbing Lily of the Valley (Salpichroa), 75c per 12; \$5.00 per 100.
- Lace Fern, fronds last four weeks and over, 75c per 12; \$5.00 per 100.
- Boston Fern, 2 1/2-inch, 60c per 12; \$4.00 per 100; larger all prices.
- Baby Primrose, 60c per 12; \$1.00 per 100. Easter Primrose same price.
- Bougainvillea, fine, 4-inch pots, \$10.00 per 100. New Ruellia, 50c per 12.
- New Pink Sweet Scented Astible Chinense, very fine for forcing. Large clumps, \$10.00 per 100; \$1.50 per 12. Smaller, half price.
- New Deutzias, Lemoine's three latest novelties, \$1.00 per 12; \$7.00 per 100.
- New Russellas, extra fine for Christmas, 60c per 12; \$4.00 per 100.
- Grand Crimson Passion Flower, variegated leaves, \$1.00 per 12.
- Cyperus Gracilis, best for jardineres, 50c per 12; \$3.00 per 100.
- Asparagus Sprengerii, over 10,000 in stock. Extra strong 2 1/2-inch, ready for 3 1/2-inch, \$5.00 per 100; 75c per 12; 3 1/2-inch, ready for 5-inch, \$8.00 per 100; strong 5-inch, \$2.00 per 12; 6-inch, \$3.00 per 12.
- CALLAS, Little Gems, \$3.00 per 100. Spotted Leaf, \$2.00 to \$4.00 per 100. Yellow Callas, \$3.00 per 12. Fragrant Calla, \$1.50 per 12.
- Amaryllis, 500 sorts. Cannas, 200 sorts. Dahlias, 500 sorts.

A. BLANG & CO., Philadelphia, Pa.

BIG BARGAIN.

Having a large stock of fine LATANIAS and BRANCHED RUBBERS, and as I must make room for my large consignment of Azaleas, I will offer for the next two weeks the following:

- LATANIAS, 3 plants in a 5-inch pot, - at 25c, worth 35c
- " 1 plant in a 6-inch pot, - at 50c, " 75c
- BRANCHED RUBBERS, fine stock, 10-in. pot, at \$2.00 " \$3.00

My other stock at the usual prices on application.....

WM. K. HARRIS,

55th Street and Springfield Avenue,

PHILADELPHIA, PA.

\$3.00 per 1000 GIANT PANSIES OR DAISIES.

- Roemer's or Trimardeau. Longfellow, Snowball Daisies.
- California Privet, branched, \$2.50 per 100; \$20.00 per 1000. Cash.

BYER BROS., Chambersburg, Pa.

VIOLETS

Extra strong field-grown clumps.

- California.....\$4.00 per 100
- Princess of Wales.....5.00 per 100

NATHAN SMITH & SON, Adrian, Mich.

Great Auction Sale

OF PALMS AND DECORATIVE ...PLANTS...

AT CHICAGO,
Wednesday and Thursday,
October 24 and 25.

AN IMMENSE STOCK
OF FINE PLANTS
MUST BE CLOSED OUT TO THE
HIGHEST BIDDERS.



THIS WILL BE AN UNUSUAL OPPOR-
TUNITY TO OBTAIN FINE STOCK AT
CLOSE FIGURES.



The Sale will be Held at

McKELLAR & WINTERSON'S

45-49 Wabash Ave., Chicago,

Wednesday and Thursday, October 24 and 25,

BEGINNING AT 10 A. M.



For Further Details, Address

The HARMS PARK FLORAL CO.

Berteau Ave., near Western Ave., CHICAGO.

Following is a List
of the Plants 

Latania Borbonica

500 2-inch 5000 4-inch
10,000 3-inch 1000 5-inch
250 6-inch 5 8-inch

Kentia Belmoreana

6000 2-inch 2000 Seedlings

Kentia Bel. and Forst.

3000 3-inch 75 6-inch
1500 4-inch 150 7-inch
100 5-inch 12 8-inch

Areca Lutescens

25 3-inch 500 4-inch
500 2½-inch

Asparagus Plumosus

500 3-inch 200 2-inch

Asparagus Sprengerii

100 4-inch

Boston Ferns

200 5-inch 100 6-inch
2 9-inch

Adiantum Cuneatum

100 3-inch

Pandanus Veitchii

4 12-inch

Cocos Weddeliana

100 3-inch

Ficus Elastica

50 7-inch 100 4 and 5-inch
100 3-inch

Also Cycas, Ficus, Ferns
and Other Foliage Plants

Washington.

TRADE IMPROVES WITH COOLER WEATHER.
—VARIOUS NOTES.

J. H. Small, Jr., has returned from his trip of several weeks, visiting Yellowstone Park, the Puget Sound country, the Pacific coast, Colorado and the middle west. He was much benefited in health by the journey and was largely impressed with the business activity everywhere encountered, especially at Seattle, Washington.

George C. Shaffer has opened a floral establishment at the corner of Fourteenth and I streets N. W. The store has been tastefully and conveniently fitted up and a nice stock of decorative plants is shown in addition to cut flowers. Mr. Shaffer was for some time with Z. D. Blackstone.

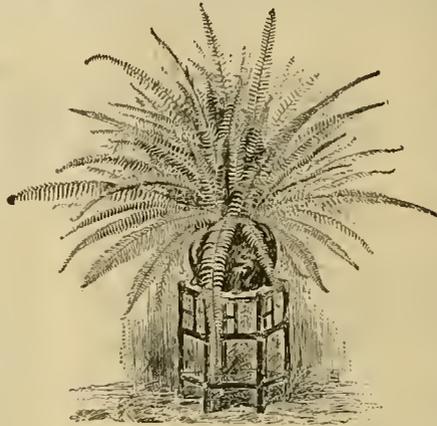
Trade in general is fairly good but some of the florists do not expect much business for the next three weeks. There are plenty of outdoor flowers, such as dahlias and cosmos, also roses, violets and carnations.

Wm. R. Smith has returned from his trip to inspect the parks of Chattanooga, Tenn., and Biltmore, N. C. He says they are much in need of rain.

A. Gude & Brother are quite busy with funeral work and a few weddings.

Visitors: Wm. Scott, Buffalo; Lemuel Ball, of Philadelphia. P. G.

CHEAP TO CLOSE OUT.



Boston Ferns, the true variety, from 2 1/2-in. pots, \$3 per 100, \$25 per 1000. Don't be afraid that our stock of Boston Ferns will run out. We have sold 75,000 the past six weeks, but still have 125,000 fine plants on hand. Better buy now, as price is sure to advance.

Asparagus Sprengerii, from 2 1/2-in. pots, \$2.50 per 100, \$20 per 1000.

Acalypha Sanderi, from 2 1/2-in. pots, fine plants, \$3 per 100, \$25 per 1000.

Acalypha Sanderi, from 3-in. pots, strong plants, \$5 per 100.

Crotons, 12 best bedding varieties, from 2 1/4-inch pots elegant plants, \$3 per 100, \$25 per 1000. These will be fine to shift on for next year's bedding.

Ponderosa Lemon, largest Lemon grown, bears fruit weighing two pounds and over, and fruits when quite small. Is bound to become a popular plant. Fine plants from 2 1/2-in. pots, \$1 per doz., \$7 per 100. Extra strong plants ready to bloom at once, \$1.50 per doz.

Calla Lilies, 1 1/4 to 1 1/2-in. diameter, 75c per dozen, \$5 per 100.

Calla Lilies, 1 1/2 to 1 3/4-in. diameter, \$1.25 per dozen, \$7 per 100.

The two new Russelias, Lemoinei Multiflora and Lemoinei Eleganissima, 50c per doz., \$3 per 100.

Bougainvillea Sanderiana, from 2 1/2-inch pots, \$6.00 per 100.
Weeping Lantanas, 2 1/2-inch pots, \$2.00 per 100, \$18.00 per 1000.
Otaheite Orange, from 2 1/2-inch pots, \$3 per 100, \$25 per 1000; from 3-in. pots, \$4.50 per 100, \$40 per 1000.
Ficus Elastica, perfect specimens of this fine Rubber Plant, 15 to 18 in. high, \$3.25 per doz., \$25 per 100.
Araucaria Excelsa, Norfolk Island Pine, fine plants with four tiers of leaves, \$1 each, \$10 per doz.
Marchal Niel Rose, 15 inches and over in height, healthy plants \$4 per 100, \$35 per 1000.
Roses all the leading varieties of Teas from 4-inch pots, fine plants in perfect health, \$8 per 100. All the leading varieties of Hybrid Teas from 4-inch pots, elegant stock, \$10 per 100.

Send us your list of Roses for quotation. We have 2,000,000 plants in stock. Our Fall Trade List of all kinds of Roses, Plants and Bulbs now ready. Write for it.

The GOOD & REESE CO., LARGEST ROSE GROWERS IN THE WORLD, Springfield, O.

P
Y
R
A
M
I
D

Bay Trees

Grand Pyramids,
Dense and Dark Foliage.
Exhibition Plants,
The Finest in Trade.

Height with tub, fifteen feet; diameter at the base, six feet. With packing,

Price per Pair, \$50.

Also Pyramids, height with tub, 12 feet; diameter at the base, 4 feet;

Price Per Pair, With Packing, \$30.

Standard Bay Trees

Height of stem, 4 feet; height of head, 4 feet; diameter of head, 4 ft.

Price Per Pair, With Packing, \$25.

Many pairs of each size of Pyramids and Standards, all alike, to be had. Cash or good references with order required.

DE SMET FRERES,
The Nurseries,
Ghent, (Belgium).

STRONG FIELD-GROWN PLANTS OF
Farquhar Violets.

Free from disease of any kind.
\$6.00 per 100; \$50.00 per 1000.

JOHN McFARLAND, North Easton, Mass.

40,000
Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—\$35, \$50, \$75 and \$100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.
10 to 12 inches in diameter.....\$35 per 100 14 to 16 inches in diameter.....\$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARGUS PLUMOSUS NANUS.
Strong 2 1/2 in. pots ready for shifting into 3 in...\$5 per 100 Strong 3 in. pots...\$8 per 100
Asparagus Sprengerii 2 1/2 in...\$5 per 100 Asparagus Sprengerii—3 in...\$7 per 100

BOSTON FERNS.
Strong 2 1/2 in. pot plants.....\$40 per 100 Strong 4 in. pot plants... \$15 per 100
Strong 5 in. pot plants..... \$4 per dozen

ROSES.
Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long..... \$12 per 100
\$100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....\$10 per 100
\$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

BOSTON FERNS,

Ready for 3-in. pots, \$6.00 per 100; 4-in., \$15.00 per 100; 5-6-in., \$20.00-\$25.00 per 100. Also fine plants in 5-6-in. pots, now ready for a shift, in pans or large pots, \$35.00 per 100, \$4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, \$3.00 per 100.

Asparagus Sprengerii, 2-in., \$6.00 per 100.

Kentia Belmoreana, 2 1/2-in. pots, \$10.00 per 100; 4-inch, \$40.00 per 100. Large plants, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, up to \$5.00.

Send for Particulars.

BOBBINK & ATKINS
RUTHERFORD, N. J.

American Florist Advt.

Reach all
the Trade.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/4-in. pots, strong and healthy.
See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early from

Money Order Office, EDWIN LONSDALE,
Sta H. Philadelphia, Wyndmoor,
(Near Polla), Pa.

N B We have not changed our location, but the P O authorities have changed our P. O. facilities.

VIOLETS Large, field-grown clumps of California, 8 to 15 inches across, grand stock, \$3.00 per 100. Also 250 plants of Campbell, field-grown, in prime order, \$4 per 100, to close out.
ALBERT H. BROWN, Westboro, Mass.

AT LAST! A Vaporizing Insecticide

THAT IS

Cheap, Harmless and Effective.

"NIGOTICIDE"

The Best of All.

Write for full particulars to

THE TOBACCO WAREHOUSING AND TRADING CO.,
1000 Magnolia Ave., LOUISVILLE, KY.

GRAND OFFER TO CLOSE.

Fine Plants.
None Better.

We are compelled to move them. We must have room. A grand benefit to anyone desiring good Rose Plants.

Per 100		Per 100		Per 100	
Per 100	Per 100	Per 100	Per 100	Per 100	Per 100
1000 Bridesmaids.....3½-in. pots, \$1.50	\$12.00	200 G Iden Gate.....2½-in. pots, \$1.50	\$1.50	Asparagus Sprengerii.....6-in. pots, \$25.00	\$25.00
500 ".....2 " 1.00	9 00	50 Lady Dorothea.....2¼ " 1.50	1.50	" ".....3 " 6.00	6.00
3500 Brides.....3 " 1.50	12 00	700 Maid of Honor.....4 " 2.00	2.00	" ".....2 " 3.00	3.00
1200 ".....2 " 1.00	9 00	70 " ".....2½ " 1.00	1.00	Ficus Elastica, 6-in. pots, 50c, 75c and \$1.00 each	\$1.00 to \$2.00
3000 Meteors.....3 " 1.50	15 00	Latania Borbonica.....3-in. pots, \$15 00	\$15 00	" " 7 and 8-in. pots, \$1.50 to \$2.00	"
100 Mme. Chatenay.....4 " 1.50	15 00	Areca Lutescens.....4 " 25.00	25.00	Boston Ferns, 6-in. pans.....60c	"
100 Mme. Cusin.....2 " 1.00	10 00	Cocos Weddelliana.....3 " 15.00	15.00	" " 7 ".....75c	"
125 ".....4 " 1.50	15 00			" " 8 ".....\$1.00 to \$1.50	"

Plants are vigorous and unusually fine, and will be carefully packed. We guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

15,000 EXTRA FINE BOSTON FERNS

2½, 3, 4, 5, 6 and 7-inch pots, now ready for shipment. Some very fine plants of *Asparagus Plumosus Nanus* out of 2½-inch pots. A few thousand mixed *Roses* on hand for planting. Write for prices.....

GEO. A. KUHL, PEKIN, ILL.

Edward B. Jackson,
WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

SPECIALTIES IN BEST VARIETIES

ROSES, from 2-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list. WOOD BROTHERS, FISHKILL, N. Y.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100. 6-inch. MARIE LOUISE VIOLETS, from 2½ and 3-inch pots, \$2.50 to \$3.00 per 100; \$25.00 to \$30.00 per 1000. A. S. MacBEAN, LAKEWOOD, N. J.

Hardy Herbaceous AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.
The Blue Hill Nursery, So. Braintree, Mass.
CORRESPONDENCE SOLICITED.

Cyclamen Giganteum in all the colors.
Fine plants, well set with buds. They will make a useful size for Christmas. \$8 PER 100.
Money Order Office, Sta. H. Philadelphia.
EDWIN LONSDALE, WYNDMOOR, PA. (Near Phila.)

CARNATIONS, Evelina, John Young, Albertini, Mrs. Dean, Webb, Empress, John's Scarlet, White Cloud. Many plants have 25 flower shoots, \$4 per 100, or 500 plants for \$18. Last call. ALBERT H. BROWN, Westboro, Mass.

BIG CUT

To make room for 25 000 GERANIUM CUTTINGS which must be potted in ten days,

Will fill all orders for ROSE stock at \$2.50 per 100; \$20.00 per 1000; 250 plants for \$5.00. Bear in mind this price only holds good to the 15th of October: Brides, Meteor, Maids, Golden Gate, Perle, strong, 3 and 3½-inch, 12 to 18 in. high, full of new shoots. Fine stock.

10,000 Strong Field-Grown CARNATIONS, X X strong, full of buds, \$3.00 per 100. 10,000 standards, Wm. Scott, McGowan, Evelina, Armazindy, Gold Nugget, Victor, Nivea, \$2.50 per 100. Mrs. Brad, at \$5.00.

1000 Bruant GERANIUMS, strong 3 and 2½-inch, \$1.50 per 100. Mme. Sall-roi, strong 2¼-in., \$1.50 per 100; strong 2-in., \$1.00 per 100.

AGERATUM Princess Pauline, rooted cuttings, 60c per 100. Louise Bonnett, latest novelty in white, \$1.00 per 100 R. C.

SALVIA SPLENDENS, \$1.00 per 100 R. C. ALTERNANThERA, 3 vars., dwarf, 60c per 100; \$5.00 per 1000.

ASPARAGUS SPRENGERII, very strong, 2½-in. ready for 4-in., only \$4.00 per 100.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Cleveland.

TRADE SHOWS STEADY IMPROVEMENT.—LITTLE LIKELIHOOD OF ADVANCE IN PRICES TILL CHRYSANTHEMUMS ARE OVER.—DOINGS AT GASSER'S.

Business continues to brighten upright although about the only advance in price so far is in carnations, which have sold up to \$1 50 per hundred. This, however, is not general, but results more from the advent of a limited quantity of inside grown stock not heretofore to be had at all. It is doubtful if there will be any real increase in prices for some time now as chrysanthemums have begun to appear in limited quantity. The varieties so far or mostly Montmort, with a few Fitzwygram, Bergmann and Glory of Pacific. Cosmos is obtainable in quantity and all the store windows are gay with it.

Probably the most important event of the past week has been the opening of the new store of the J. M. Gasser Co., incorporated, and successor to the business of J. M. Gasser. S. F. Damell and Isaac Kennedy are the new members of the firm, of which Mr. Damell is manager, having been with Mr. Gasser many years. Mr. Kennedy is a newcomer from Philadelphia, having had charge of the greenhouse end since last spring. The new store is just east of Erie street on Euclid avenue and is formed of two stores thrown into one, giving much the most spacious and imposing establishment of any in Cleveland. In the rear is a roomy conservatory for the handling of a large line of plants. One good feature is the complete separation of the wholesale and retail departments, obviating much confusion and annoyance.

"Home week," a new idea so far as Cleveland is concerned, resulted in some work for the florists. At the end of the week a floral exhibition was given in one of the large office buildings, which was prettily decorated with greens and electric lights for the occasion. Considering the impromptu character of the exhibition, it was very creditable.

PRICE		100	1000
	Pansy Plants, large flowering, 6 leaves	\$.40	\$ 2.50
	Geraniums, choice mixed, 2½-in.	1.50	12.50
	Chinese Primroses, mixed, 2½-in.	1.50	12.50
	Hardy Grass-Pinks, (clumps)	1.50	12.50
	Begonias, flowering, mixed 2½-in.	1.50	12.50
	Calla Bulbs, medium sized	5.00	40.00
	Sedum variegatum, (Border Plant)	2.00	15.00
	Rose Geraniums, 2½-in.	1.50	12.50
	R. C. Carnation Morning Glory, lt. pink	5.00	40.00
	Pansy Seed, Giant Flowering mixed, per oz.	\$1.00	
	Hardy Ferns, mixed, 4-in., per 100, \$5.00; per 1000, \$40.00.		
	5 Plants at 100 rates; 250 at 1000 rates.		
	CASH PLEASE.		

The Morris Floral Co., Morris, Ill.

VEGETABLE PLANTS

CABBAGE—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

POINTS ARE PRICES-QUALITY



SAGO LEAVES.

	Per 10	Per-10
6-12 inch.....	\$.40	24-30-inch.....\$.85
12-18 ".....	.55	30-36 ".....1.20
18-24 ".....	.70	36-42 ".....1.50
	42 inch and over, per 10, \$2.40.	



No. 7200 PALMS.

Lvs.	Hgt.	Doz.	
7204	3.....24-in.	\$2.10	
7204a	3.....36 "	3.60	
7200	5.....36 "	5.40	
7201	6.....40 "	7.20	
7201a	10.....40 "	11.80	

Metal Wreaths, From 25 cents up.

PALM TREES.

Lvs.	Hgt.	Pa.	Natural Prepared
7206	9...7-ft.	\$3.50	Palm Leaves, 100
7208	16...9 "	4.50	Medium size...\$ 6.00
7209	24...10 "	6.00	Large size..... 10.00

Frank Netschert,

CHICAGO: 187 S. Clark St. NEW YORK: 7 Barclay St.

Ask for Catalogue No. 23.



Please mention the American Florist when writing.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.	
Price per crate	Price per crate
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20
1500 2½ " " " 5.25	80 " " " 3.00
1500 3 " " " 6.00	48 " " " 3.60
1000 3 " " " 5.00	48 " " " 4.80
800 3½ " " " 5.80	24 " " " 3.60
500 4 " " " 4.50	24 " " " 4.80
320 5 " " " 4.51	12 " " " 4.80
144 6 " " " 3.18	6 " " " 4.60

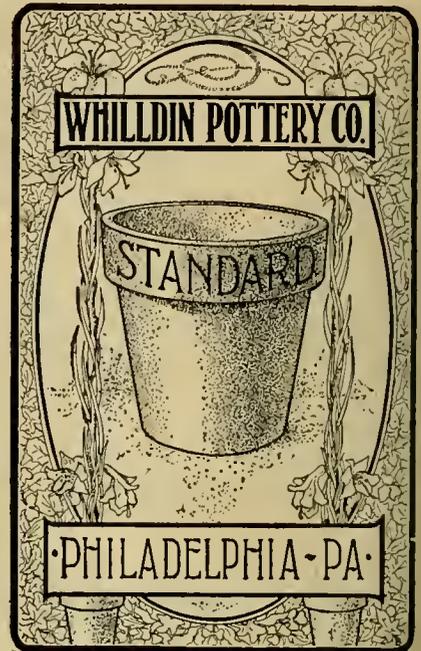
Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY, OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, NEW YORK Agents
53 DET STREET, NEW YORK CITY.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.

Before buying write for prices.
361-363 Herndon Street
DEPT WRIGHTWOOD AVE., CHICAGO, ILL.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'FY,
HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE GO., MILWAUKEE, WIS.

Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST.

28th and M Streets N. E. WASHINGTON, D. C.

FLOWER POTS
ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWANN'S POTTERY M'G CO.,
P. O. Box 78, Minneapolis, Minn.

WE ARE READY

For the coming season with the most complete and comprehensive line of "Florists' Supplies" to be found in America.

Being one of the LARGEST IMPORTERS AND MANUFACTURERS of

Florists' Supplies

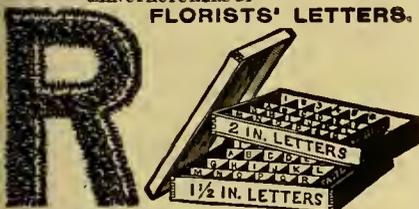
We invite every Florist to step in and see our stock, if at all possible, or write to us for our HANDSOME NEW ILLUSTRATED CATALOGUE, which will be found complete and up-to-date. A few of our specialties are

IMPORTED CYCAS LEAVES (dull and glazed), our FAMOUS WHEAT SHEAVES, IMMORTELLES, CAPE FLOWERS (all colors), NOVELTIES IN FANCY AND PLANT BASKETS, for every occasion; POT COVERS, PEDESTALS, and EVERYTHING that is needed by the trade will be found at "HEADQUARTERS."

M. RICE & CO., Importers and Manufacturers, 918 Filbert St., PHILADELPHIA, PA.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$2.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 84 Hawley St., BOSTON, MASS. Please mention the American Florist when writing.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA. Please mention the American Florist when writing

A. HERRMANN,

Cape Flowers, ALL COLORS; Cycas Leaves, Metal Designs, AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET, New York.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER, 34 West New York, 30th St. HORTICULTURAL SUPPLIES.

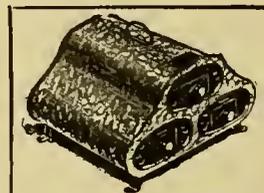
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers, 10 Bond St., NEW YORK.

JAMES W. ERRINGER, Gen. West. Sales Agent, 297 Webast Ave., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.



Imported Prepared CYCAS LEAVES

LOWEST PRICES.

RECEIVING REGULAR SHIPMENTS. Florida Natural Products Co., P. O. Box 273, Indianapolis, Ind.

IMPROVED GREENHOUSE GLAZING • POINTS.

A sure preventive of glass slipping, effective on large or small glass. Zinc will not Rust. Last Forever. Easy to drive and easy to extract. Two sizes, 5/8 and 7/8-in.. 40c a pound, by mail 16c extra, 1440 5/8 and 1040 7/8 in a pound; 7 lbs. for \$2.50 by express. See testimonials in last weeks adv.

CHAS. T. SIEBERT, Mfr., Stanton Ave. Station B, Pittsburg, Pa.

REED & KELLER,

Manufacturers of Florists' Designs. Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.



..PURE.. Sheep Manure.

Dry, pulverized, in car lots, \$8.00 per ton. Dry, but not pulverized, \$4.00 per ton. In natural or green state, \$1.50 per ton; f. o. b. cars, Kirklind, Ill.

ADDRESS MONTANA FERTILIZER CO., Elgin, Ill., U. S. A.

SMILAX STRINGING Made Easy by the use of

MEYER Green SILKALINE

JUST THE SHADE OF THE FOLIAGE. Samples and prices free.

JOHN C. MEYER & CO., 80-84 Kingston St. BOSTON, MASS. sale by leading Florists.

Please mention the American Florist when writing.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER and TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

Buffalo.

TRADE GOOD AND WEATHER FINE.—WEDDING DECORATIONS IN DEMAND.—VARIOUS PERSONAL DOINGS.—VISITORS.

Trade has been what every one wished for. The weather has been excellent and wedding orders are numerous. Adams had the largest this week, which called for a goodly number of chrysanthemums, Bride roses and lily of the valley. Meteor roses are in profusion now, but Bride, Bridesmaid and Kaiserin are none too plentiful. Carnations are good but there is no surplus. White chrysanthemums are fairly plentiful but yellow and pink are scarce. Store windows are very attractive, Palmer, Zimmerman and Rebstock making excellent showings with chrysanthemums, orchids, Boston ferns and lily of the valley.

Wm. Scott is making an extended trip east in the interest of the Pan-American Exposition. W. H. Grever, of Adams' store, was with him in New York last week and says one day with Scott is better than a week by one's self.

W. F. Kasting has moved his office to the rear of his building, where more room and less noise are obtained. Wiese, Adams and Neubeck will have to look for a new resting place.

Rebstock has been cutting some fine Harrisii, which met with ready sale.

Visitors: Wm. Stroh, Attica; S. B. Smiley, Lancaster; Henry Wiese, East Aurora; C. L. Dole, Lockport; W. A. Manda, South Orange, N. J. W. A.

GALVESTON, TEX.—G. Laeverenz lost \$2000 by the recent flood.

LIBONIA, PA.—G. W. Park is erecting a new establishment at Gordonville, intending to eventually remove there.

MCDONALD, PA.—Max Schreiber has gone into business, having erected a house 22x100. He intends building several additional houses in the spring.

WATERTOWN, N. Y.—George H. Underhill, of Greene & Underhill, was married at Fort Ann, October 17, his bride being Miss Kathryn Finch. They are now in the south on a wedding journey.

MONTREAL, CAN.—The Gardeners' and Florists' Club is making preparations for a better annual show than usual, November 6-8. Exhibits sent from a distance will receive careful attention if sent to Jos. Bennett, 136 Peel street, Montreal.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

N. F. McCarthy & Co.

OFFER

GALVANIZED STEEL WIRE ROSE STAKES

AT THE FOLLOWING PRICES:

Inches	Per 100	Per 1000	Inches	Per 100	Per 1000
14	.50	\$2.00	42	.90	\$7.75
24	.75	5.00	48	1.00	8.50
30	.85	7.00	60	1.10	10.50

No. 18 Gal. Wire, for running along the top of stakes, \$1.00 per Stone.

On large lots we are prepared to quote special low prices, and are at all times ready to meet competition on Wire.

PLANT AUCTIONS ARE HUMMING! Every Tuesday and Friday at 9 A. M.

N. F. MCCARTHY & CO., 84 Hawley St., Boston, Mass.



LIQUID PLANT FOOD For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY, Chicago Office: 620 Atlantic Ave., Boston. H. K. SNIDER, Suite 423, 260 Clark St.

Deutsche Gärtners-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtners-Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt. (GERMANY)

RUSTIC WORK FOR ALL PURPOSES MADE TO ORDER..

In stock, the most extensive variety in the country, of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO., 19 Fulton Street, NEW YORK CITY.

SIGMUND GELLER

Importer and Mr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

102 W. 28th St., near 6th Av., NEW YORK.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brassed and nickled, with three clasps for 5 to 6-in. pots, each, \$1.75.

Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist, 1725 Chestnut St. Philadelphia, Penn

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for \$2.50. Without spraying valve, \$2.00.

The Hose Connection Co., Kingston, R. I.

American Florist Advertisements Pay Advertisers.

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class. Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO., YOUNGSTOWN, O.

Please mention the American Florist when writing.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN—CIRCULAR FREE—SKABURA DIP CO. CHICAGO.

Kill AND SAVE THE BLOOMS! Kill the Bugs! QUICKLY DOES IT.

Please mention the American Florist when writing.

ELECTROS... 

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO., 324 Dearborn St., CHICAGO.



Invalid Appliance Co., MANUFACTURERS OF COLUMBIA PLANT TUBS

(PATENTED)

"The kind that never fall apart." If your seedsmen doesn't handle them, order us direct.

FACTORY AND OFFICE: 150-160 WOODEN ST., CHICAGO, TELEPHONE NORTH 423.

Hot-Bed Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

- 3 ft. x 6 ft., 3 rows 10 in. glass.
- 3 ft. 3 in. x 6 ft., 4 " 8 in. "
- 4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1 1/4 in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,

Lockland, Ohio.



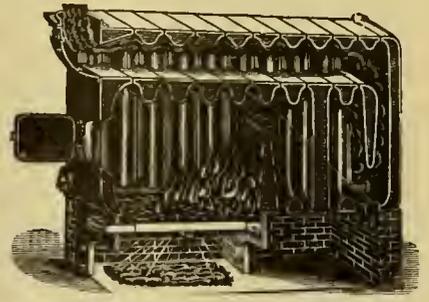
MY PICTURE AS A "KID."
(Presenting a rear view of a stern reality.)

When I was young, you will observe, I was very backward; but I have got over that, and now come to the front claiming to have the best WATER HEATER, VENTILATING APPLIANCE and SASH HINGE for greenhouse purposes, that are in the market.

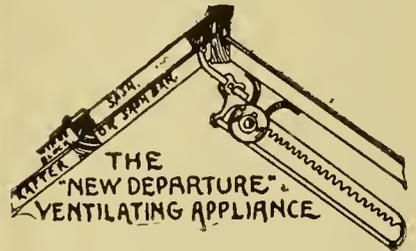
Furthermore, they are so simple in construction I can afford to sell them much cheaper than other styles.

Now florists, don't be backward in sending for a catalogue. Remember, when you find you NEED a thing, the sooner you get it, the more you will have for your money, again I say "DON'T BE BACKWARD," but "keep up with the band wagon." Let me hear from you AT ONCE.

J. D. CARMODY, Evansville, Ind.



AMERICAN CHAMPION BOILER.

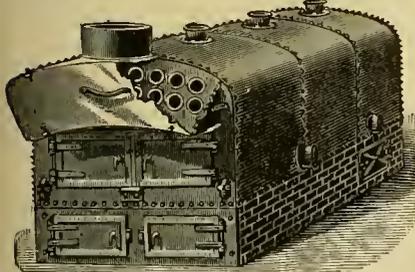


KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler,

29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

"Viola"

LARGEST HORTICULTURAL ADVERTISING PAPER FOR THE SCANDINAVIAN COUNTRIES.

FOREIGN SUBSCRIPTION,
50c PER YEAR.

Write for Sample copies to

SWEDISH GARDENING OFFICES,
6, Regeringsgatan, STOCKHOLM.

INDEPENDENT OF ALL TRUSTS.

GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. **THE REED GLASS & PAINT CO., 466 W. Broadway, NEW YORK.**

H. M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

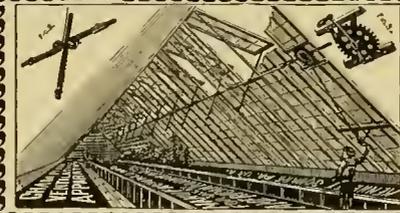
GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF **Pure Linseed Oil Putty, Paints, Brushes Etc.**

WRITE FOR LATEST PRICES.



EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....

THE CHAMPION VENTILATING APPARATUS

Catalogue is free. A postal with your name and address secures it. Address

COOLIDGE BROS., Florists,
So. Sudbury, Mass.

THE SCOLLAY BOILER

"INVINCIBLE"

FOR GREENHOUSE HEATING.

Steam or Hot Water.

SEND STAMP FOR CATALOGUE.

JOHN A. SCOLLAY,
74-76 Myrtle Ave.. BROOKLYN, N. Y.

HAIL!

FOR INSURANCE AGAINST
DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J

D. O. Cunningham

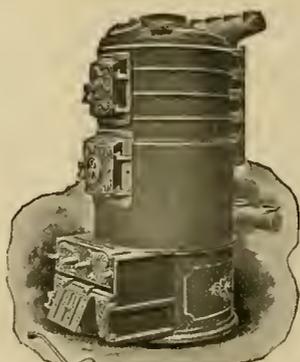
.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.
HOT-HOUSE GLASS A SPECIALTY.

Index to Advertisers.

Advertising Rates.....	383	Kift Robert.....	402
Allen J K.....	387	Kilbourn R.....	394
Allen S L & Co.....	11	Kroeschell Bros Co.....	403
American Rose Co.....	386 11	Kuehn C A.....	386
Amling E C.....	385	Kuhl Geo A.....	389
Barnard W W & Co.....	1	Lager & Darrell.....	389
Baur S Alfred.....	1	Lakay w Rose Garden.....	389
Barrow J G.....	384	Lang Julius.....	387
Bassett & Washburn.....	385	Langjahr A H.....	386
Bayersdorfer H & Co.....	401	Lee K A.....	386
Bentley & Co.....	384	Lehman Bros.....	401
Berkmans P J Co.....	384	Leutl.....	384
Berning H G.....	386	Levy John H.....	388
Beaulieu H.....	11	Limprecht S J.....	387
Bludekunst Die.....	11	Lockland Lum Co.....	402 403
Blanc A & Co.....	386	Long D B.....	11
Bloom J S.....	389	Lonsdale Edwin.....	389 389
Blue Hill Nursery.....	389	Lord & Burnham Co.....	11
Boblink & Atkins.....	385	Loven J G.....	384
Boston Letter Co.....	383	Lynch J & Co.....	404
Brague L B.....	388	Lynch W E.....	385
Brinton W P.....	380	McCarthy & Co N F.....	386 390 4 2
Brown Albert H.....	388 389	McFadden E C.....	388
Brown Peter.....	384	McFarland John.....	388
Brdlong J A.....	385 382	McKellar & Winteron.....	388
Bunyard H A.....	384	MacBean A S.....	389
Burpee W Albee & Co.....	11	Mader Paul.....	384
Byer Bros.....	386	Marquese L E.....	382
Caldwell Geo O.....	382	Meyer John C & Co.....	401
Caldwell the Woods- man Co.....	384 388	Millan & Co.....	387
Carmody J D.....	403	Millan Frank.....	387
Chadwick Chas.....	383	Moller & Gartner Zel- tung.....	402
Chicago Carnation Co.....	384	Moninger J C Co.....	11
Chicago House Wreck- ing Co.....	111	Montana Fertilizer Co.....	401
Cincinnati Cat Flo Co.....	386	Moon Samuel C.....	380
Clark Wm A & Son.....	380	Moon Wm H Co.....	380 384
Cole W W.....	383	Moore, Hutz & Nash.....	387
Conard & Jones Co.....	384	Morris Floral Co.....	400
Conley Foll Co.....	401	Moss Geo M.....	386
Coolidge Bros.....	403	Murphy Wm.....	382
Cottage Gardens.....	1	Myers & Co.....	404
Crabb & Hunter.....	384	Netschert Frank.....	4 0
Craig Robt & Son.....	386	Niessen Leo.....	386
Cunningham Jos H.....	380	N Y Ct Flower Co.....	387
Cunningham D O Glass Co.....	403	Pennock Sam'l S.....	386
Davis Bros.....	384	Peterson F R Co.....	388
Deamud J B.....	384	Pittsburg Cnt Flo Co.....	384
De La Mare A T Ptg and Pub Co.....	386	Pollwirth C G Co.....	384
Detroit Flor Pot Mfy.....	400	Prince J & Co.....	385 380
De Smet Freres.....	388	Quaker City Mch Wks.....	111
Dlatlach A & Co.....	404	Randall A L.....	385
Dillon J L.....	391	Rawlings E L.....	384
Dorner Fred & Sons Co.....	383	Raynor J L.....	387
Dreer H A.....	391 111	Read Gas & Paint Co.....	403
Dunne & Co.....	401	Reed & Keller.....	401
Eastern Chemical Co.....	412	Revan Printing House.....	11
Eloholz Henry.....	380	Reidberg Geo.....	385 383
Ernest W H.....	400	Reinberg Peter.....	388 383
Ferguson John B.....	386	Retzer Walter & Co.....	384
Finley Lawn Rake Co.....	404	Rice M & Co.....	401
Florida Nat Prod Co.....	401	Rodgers Alex.....	11
Ford Bros.....	387	Roiker A & Sons.....	11
Foster Ludwig H.....	388	Rustic Mfg & Con Co.....	402
Gardeners Chronicle.....	11	Salford.....	387
Gardening Co The.....	11	Sander & Co.....	380
Garland Geo M.....	111	Schenck S C.....	11
Geller Sigmund.....	402	Schillo Adam.....	11
Ghormley Wm.....	387	Schmidt J C.....	394
Gibbons H W.....	385	Schmutz Louis.....	384
Giblin & Co.....	111	Scott John A.....	403
Good & Reese Co.....	388	Sheridan W F.....	387
Gullett & Sons W H.....	391	Sheert Chas T.....	401
Gunther Wm H.....	387	Stebrecht & Son.....	1
Gurney Heater Co.....	404	Sitations & Wants.....	382
Hagenburger Carl.....	384	Skabours Dip Co.....	402
Hall Ass'n.....	403	Smith Nath & Son.....	386
Hancock Geo & Son.....	382	Smartwhite C A.....	11
Harnes P k Flo Co.....	387	Produce Co.....	11
Harris Wm K.....	394	Soitan C.....	394
Hart M A.....	387	South Park Floral Co.....	391
Harvey W P.....	382	South side Floral Co.....	389
Heacock Joseph.....	386	Stahl Chas B.....	386
Heiss J B.....	380	Stearns Lumber Co.....	111
Heller & Co.....	11	Stoothoff H & Co.....	11
Hennecke C Co.....	401	Storra & Harrison Co.....	386
Herendeen Mfg Co.....	11	Styer J J.....	11
Herr Albert M.....	384	Sutherland Geo A.....	386
Herrmann A.....	401	Swann Pottery Mfg Co.....	400
Herron Dana R.....	380	Thorburn J M & Co.....	388
Hews A H & Co.....	400	Tobacco Warehousing and Trading Co.....	389
Hilffgar Bros.....	403	Traendly & Schenck.....	387
Hill F G & Co.....	1	Vall Reed Co.....	388
Hill H H.....	384	Van Wert Greenh'es.....	383
Hippard E Co.....	402	Vaughan's Seed Store.....	388 389
Hitchings & Co.....	11	Vick's Sons Jas.....	11
Holton & Honkel Co.....	384 401	Vincent R Jr & Son.....	400
Hooker H M Co.....	403	Viola.....	4 3
Horan Edw C.....	387	Vredenburg & Co.....	11
Hort Adv.....	11	Waldhart Alex.....	383
Hose Connection Co.....	402	Watson G C.....	11
Humfeld Co.....	386	Watersherd's Sons.....	11
Hunt E H.....	385	Thos W.....	111
Invald Appliance Co.....	412	Weber H & Sons.....	389
Indianapolis Flower and Plant Co.....	384	Weeber & Don.....	11
Jackson & Perkins Co.....	388 390 394	Welland & Blech.....	385
Jackson E B.....	389	Welch Bros.....	386
Jacoba S & Sons.....	11	Whildin Pot Co.....	400
Jennings E B.....	384	Wicker Bros.....	385 1
Jennings Bros.....	401	Wilks S Mfg Co.....	11
Johnson & Stokes.....	388	Witthold The Geo Co.....	385 1
Joy & Son.....	389	Wood Bros.....	389
Kastling W F.....	382	Woodroffe & Bern- helmer.....	386
Keller Bros.....	400	Wood, Stone & Co.....	388
Keller Geo & Son.....	400	Young Jno.....	387
Kellogg Geo M.....	386	Young & Nugent.....	387
Kennicott Bros Co.....	389		



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

RELIABLE-DURABLE-ECONOMICAL.

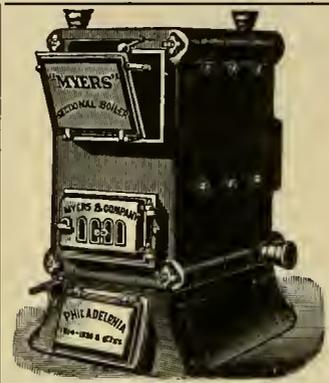
SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

GURNEY "400 SERIES" HOT WATER HEATER.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.

GREENHOUSE MATERIAL,

Cal. Red Cedar and Louisiana Cypress.

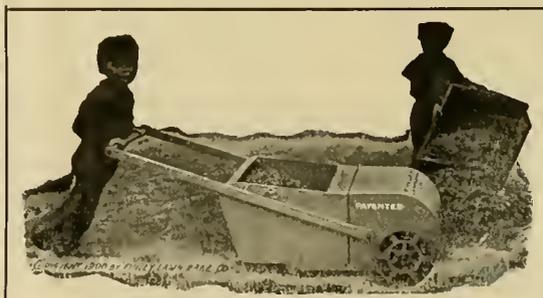
BEST GRADES. PERFECT WORKMANSHIP.

A. DIETSCH & CO. 615-621 Sheffield Ave. CHICAGO, ILL.

THOSE FALLEN LEAVES

CAN BE KEPT OFF THE LAWN WITH LITTLE EFFORT IF YOU HAVE A

FINLEY ROTARY LAWN RAKE.



The Finley Rotary Lawn Rake in Operation.

It picks them up and holds them until you are ready to deliver them to your heap or compost pile.

The wind can't blow them about after once raked. It does the work much better than the hand rake, and does it three times as fast. It takes up grass, either long or short, twigs and loose litter of any kind, stones included, that a hand rake would not touch. It will save its

cost in 60 days on any good lawn. Price, \$12.00. It was given a Certificate of Merit by the Society of American Florists at the New York Convention, the judges reporting that they "Believe it to be far superior to anything else in the market."

Send for Illustrated Circular.

FINLEY LAWN RAKE CO., Joliet, Ill.

WINDOW AND PLATE
GLASS
JOHN LUCAS & CO. PHILA.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, OCTOBER 27, 1900.

No. 647.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-23, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

Autumn work among herbaceous plants.....	405
Planting spring flowering bulbs.....	405
Phyllocactus Deutsche Kaiserin (illus.).....	406
Profitable winter blooming plants.....	406
The Flush o' Dawn (illus.).....	407
To be seen at Madison.....	407
The Sander cup (illus.).....	409
Mr. and Mrs. Thomas Young (portraits).....	409
Chrysanthemum Society of America.....	499
The Liberty rose.....	499
Shrubbery for forcing (illus.).....	410
Treatment of carnation blooms.....	410
Rudd ratiocinates some more.....	411
New York.....	411
Philadelphia.....	411
Boston.....	412
Chicago.....	412
Youngstown, O.....	413
Washington.....	413
American Carnation Society.....	414
Society of American Florists.....	414
Plan for heating.....	414
Obituary—Harrison A. Lyon.....	415
—Thomas C. Austin.....	415
The seed trade.....	420
The nursery trade.....	422
Our pastimes—At Chicago.....	424
—At Flathush.....	424
—At Philadelphia.....	424
—At Utica.....	424
New Haven, Conn.....	426
New Orleans.....	428
Baltimore.....	430
Nashville.....	432
Cincinnati.....	434

Autumn Work Among Herbaceous Plants.

Fall work among perennials should not be delayed too long, for hard frost may be upon us at any time. If any new planting or replanting is contemplated, the sooner one gets at it now, the better; plants will have ample time to take hold in the ground before real winter sets in, and consequently start with more vigor in spring. I will not say that one may not have success with even December plantings, if the weather permits and proper care is administered during the winter by mulching, shading, etc., but if at all possible, the planting should be finished not much later than the present date.

Some strong and robust growing plants, like the helianthus, rudbeckias, boltonias, veronicas, phloxes, asters, cephalarias, platycodons and most of the achilleas will bear very late planting and come out nearly always unharmed in spring, but alyssums, arnebias, stokesias, primulas, heucheras, epimediums, aubretias, trollius and, in fact, the great majority of spring and early summer flowering perennials are very sensitive to disturbance in late fall. It is a safe rule to begin the dividing and planting with the spring flowering plants, followed by the summer bloomers and finishing with the late autumn bloomers. It seems a pity, anyway, to disturb the fall bloomers while so many of them are in full bloom, even some of the late summer bloomers keeping up a most remarkable show under the favorable weather conditions prevailing this season.

Where an assortment of perennials is grown merely for cutting purposes, it may be desirable to plant more largely of some special variety or species and if the stock on hand is old and strong enough to be divided, this is the easiest and quickest mode of increasing. But bear in mind that the more carefully this operation is performed, the more satisfactory will be the result. Do not use the spade to chop them up; a sharp knife should be used in every case. Dig up the old clumps and shake off nearly all the soil so that you can see, or at least feel with your fingers, just where the separation is easiest performed without mutilating roots or crowns more than is actually necessary. Carefully made divisions, properly planted, will invariably be ahead of any others.

Of course we may as well delay all planting until spring if we feel perfectly sure that the work can be performed then at the right time, but as spring

usually is a very busy season with all of us, we would better resort to fall planting, even if it has its disadvantages.

Where August or September sowings of hardy plants have been made no time should be lost pricking them out in frames, if strong stock is wanted for next season. It is astonishing what headway the little seedlings will make under this treatment in a few weeks, merely giving them ordinary care and an occasional watering when necessary.

So-called permanent borders may also want a little attention. Some of the stronger growers may have encroached on their weaker neighbors, overrunning or shading them too much. Carefully examine and go over every foot of border to see that none of the plants crowd each other; where you find any of them rambling into forbidden ground, dig them up, divide and replant in proper place or else leave enough old plants undisturbed to fill the space. All borders should be neatly forked over and cleaned, a light mulching or top dressing of well decayed manure to go on afterwards. By this I do not mean a covering for the winter; that should not be spread over the plants until very severe weather sets in. Early covering always does harm. Wait at least until the ground is frozen good and hard before you protect your plants. Even with new, recent plantings, be not in too much of a hurry to cover the beds; the early part of winter never hurts our herbaceous plants; the heaving out is caused by alternate freezing and thawing toward spring when the sun gets stronger.

In conclusion I may say that it is not advisable to disturb such things as aethionemas, arnebias, cedronellas, gaillardias, some of the coreopsises, Pyrethrum roseum, pinks, centranthuses, catananches and some others in autumn; they will come safely through the winter if you let them alone. The time to divide these is either early in spring or in the summer months, soon after their flowering period is over.

J. B. K.

Planting Spring Flowering Bulbs.

In the early days of spring, as soon as the snow has left us, the first flowers to appear are such as the snowdrop, the crocus and the scilla. These are followed in succession by tulips, hyacinths and narcissi and remind us that winter has really ended and that the season is at hand when we may assist nature in beautifying our home grounds, our parks, cemeteries and public gardens. A few

remarks at this season may serve as a reminder that now is the time to prepare for the beauties of next spring. From now until freezing weather comes all varieties of spring flowering bulbs may be successfully planted, but it is better not to delay too long, for winter may come all at once. Besides, if set now, many of the varieties will commence the formation of roots, thus giving them the advantage of an earlier as well as a stronger start in the spring.

Where beds are to be solidly planted with spring flowering bulbs, the soil should be well prepared in the first place. A rich, sandy loam is undoubtedly preferable, but perhaps the most essential part of all is that the beds have perfect drainage, so that there will be no danger of water standing during winter, to rot or weaken many of the bulbs. The soil should, if not naturally sandy, have a good coating of sand and should be dug to a depth of at least fifteen inches. Well rotted cow manure is the best fertilizer that can be used, but a liberal sprinkling of fine, ground bone will also be beneficial. The beds are better if raised a few inches higher than the surrounding ground.

In planting the bulbs many growers put a small quantity of sand around each bulb, or often the top soil is taken off the bed to the depth at which the bulbs are to be planted, a coating of sand spread over the bed, the bulbs then set the proper distance apart and the top soil carefully replaced. Where the bed has been prepared as mentioned in the first place this plan need not be adopted, as the bulbs may be more readily planted with a trowel.

The depth at which bulbs should be planted depends mainly on the variety, but care should be taken that every bulb in a bed is planted at the same depth, so as to insure blooming at the same time. From four to five inches is deep enough for tulips, five to six inches for hyacinths and small bulbs like crocuses and scillas are deep enough at three to four inches; but better results will follow from a little too deep than too shallow planting. Larger bulbs, such as lilies, should be planted to a depth of from eight to twelve inches.

Before severe freezing weather sets in a mulching of from six to eight inches of coarse litter or leaves, covered with some fir or pine branches to prevent scattering by the winter winds, should be put over the beds. This will prevent the alternate freezing and thawing of the ground. This mulching should be removed on the appearance of spring. It is better to take it partially off at first, thus leaving a light protection until the plants appear above ground.

When bulbs are planted in beds it is generally necessary to lift the bulbs before they are thoroughly ripened. This may be done by lifting some soil with each bulb and planting somewhere else till ripened, when they may be laid past for another season's planting.

In the hardy border, and who does not have an old-fashioned hardy border, bulbs may be planted to great advantage, in patches among the hardy plants. They will not only do well and make the border look showy from earliest spring, but they have a thorough chance of ripening the bulbs and need not be disturbed from year to year. Where this is done, and the leaves have ripened off, annuals may be planted to take their place.

On the home grounds no better plan than this may be followed with spring flowering bulbs. In fact, all varieties of

bulbs may be treated in this way, commencing with snowdrops, crocuses, scillas, aconites, on through the season with hyacinths, tulips and daffodils, followed by the early flowering lilies. In ripening these bulbous plants in the border do not allow them to go to seed, for in going to seed the strength of the bulb is greatly reduced if not entirely destroyed.

There is another plan of planting spring flowering bulbs, which, to the lover of natural effect, is perhaps the most pleasing. This is planting in the lawn or semi-wild sod land. In many places no better effect can be gained than from large patches of daffodils or narcissi above the green sward. In a closely kept lawn only such small and early flowering varieties as crocuses and scillas may be planted, but what can be more pleasing in a semi-wild place than patches of the different shades of narcissus and in shady places the erythroniums, blood-roots and bleeding hearts. When this



PHYLLOCACTUS DEUTSCHE KAISERIN.

style of planting is adopted each variety or color should be in large patches, if space will permit, the larger the better. Nature always plants in this way.

JOHN W. DUNCAN.

Phyllocactus Deutsche Kaiserin.

Herewith we reproduce from *Die Gartenwelt* an illustration of Phyllocactus Deutsche Kaiserin, a new and attractive variety of *P. phyllanthoides*. The flowers are of a beautiful rose shade and measure over three inches in diameter. It is said the blooms have good keeping qualities.

Profitable Winter Blooming Plants.

[Read before the St. Louis Florists' Club by Emil Schray.]

Profitable winter blooming plants are somewhat scarce; that is, plants which can be grown quickly, sold at a good price and give satisfaction as house plants.

Begonias afford a considerable range for choice but very few varieties can be recommended as house plants; consequently those which will stand house culture are the best to grow, as one can always find a sale for them. The varieties I find most profitable are *Begonia rubra*, *B. Pres. Carnot*, *B. Souvenir de Hunnewell*, *B. Paul Bruant* and *B. Gloire de Lorraine*.

Bougainvillea Sanderiana can be had in bloom nearly all winter and sells well when grown as a specimen plant, as there are very few large flowering plants

in mid-winter. I have often used *bougainvilleas* as cut flowers as they make a splendid show and sell readily, and then have sold the plants at Easter for church decorations. The only drawback this plant has is that it will not stand the dwelling room temperature.

Bouvardias are not of much use as pot plants but if one can get them into good shape by Christmas, they will find a sale. The most profitable way to grow these plants is to propagate from root cuttings and plant them in the open ground as early in spring as the weather will permit; pinch them back several times in summer and by August they will be nice, bushy plants for 6-inch or 7-inch pots.

In mid-winter there is not much sale for heliotropes but a few plants will always come in handy, as the flowers can be cut for many purposes. Cuttings taken August 1 will make good plants and can be had in full bloom by Christmas.

There is always some demand for *mignonette* in winter, and if not sold as pot plants the grower can always dispose of the flowers, as there is more demand for the spikes of bloom than there is for the plant. To get plants for very early flowers, seed must be sown about July 1.

I think the *calla* is one of the most profitable plants one can grow, as they bloom from November to June. One can cut flowers from them all winter and then sell the plants at Easter for church decorations. Plants grown from medium sized bulbs I find most satisfactory.

The *calceolaria* is not a very profitable plant, as it takes too much time and patience to get large, well-grown plants, the only ones that are profitable. To get these, seed must be sown by June 15.

Gardenia florida, the cape jasmine, I have found very easy to grow and it can be had in bloom from November to spring. Young stock planted in the field in early spring and potted up September 15 will make good plants for 6-inch and 7-inch pots.

The earlier one gets *cinerarias* the more profitable they are. To grow these plants well and get them to flower early, seed must be sown in July. The plants must be shilled as needed; never let them get pot bound. Give them plenty of room. Thrip and greenfly are great enemies of these plants; they are kept off by placing fresh tobacco stems on the bench between the plants.

The *cyclamen* is one of our best winter blooming plants, but I find large, well-grown plants the most profitable. Seeds of these must be sown in August, in boxes, in leaf mould and the seeds covered with sphagnum moss, which must be kept moist. I never had much success in growing *cyclamens* in the house in summer but grow them in frames outside, with top and bottom ventilation. I use white cotton sheeting for shade as it lets some light through and makes the plants grow short and bushy. Thrip must be kept away by using tobacco stems between the pots. Move the plants into the house about September 15.

Agathaea celestis, the blue daisy, is a very pretty little plant for winter blooming. The color of the flowers is sky blue and it sells well because blue flowers are always scarce in winter. Young stock out of 3-inch pots, planted in the field in spring, will make the best plants, as they do not grow well in pots in summer; at any rate they are not profitable if grown in pots. Pot them up from the field August 1.

The *poinsettia* is a plant for Christmas and if well done brings a good price.

Young plants propagated from soft wood cuttings and grown outside through the summer are the most profitable for pot culture.

Geraniums are easy to grow for winter use if you can find a sale for them. Cuttings taken August 1 make good plants by Christmas.

Primula Sinensis is one of our best winter blooming plants. To get good strong plants for early flowering, seed must be sown in March and April, in shallow boxes, using good light soil; leaf mould I find to be the best. Cover the seed with fine, sifted sphagnum moss; this covering is light and makes the seeds germinate more evenly and quickly. The young plants must be pricked off as soon as they can be handled, in shallow boxes, as if they are not pricked off in time there is great danger of their damping off. Over summer I grow these outside in frames, the same as cyclamens, as they make stronger and healthier plants than when grown in the house.

There are only two varieties of roses that I find profitable to grow for winter flowering in pots. These are *Hermosa* and *Clothilde Soupert*. These can be had in flower by Christmas. These two varieties, if they are not disposed of with their first bloom, can be cut back and will make good plants again for spring sales.

There are other good plants for winter blooming but they are not profitable because their period of flowering is too short. In my experience I have found that all blooming plants to be profitable must be well grown, as good plants will always sell.

The Flush o' Dawn.

M. H. Walsh, of Wood's Holl, Mass., has a new hybrid tea rose which he has christened *Flush o' Dawn* and of which a photograph is herewith reproduced. The flowers are light pink, changing to white, and are very fragrant. They are five or six inches in diameter when fully expanded. The plant is a vigorous grower and the flowers are borne on long stems, two and one-half to three feet. The foliage is dark, glossy and abundant and the variety has thus far proved a continuous bloomer.

To Be Seen At Madison.

He who has not seen this noted New Jersey town for a few years would scarcely recognize it now, so greatly has its appearance in the vicinity of the railroad station been improved. Handsome buildings now stand where sheds once marred the view and a tract formerly disfigured with hovels and rubbish has been transformed into a tastefully laid out public park. This is called James Park, in honor of the gentleman who purchased, improved and gave it to the people, who also provides for its maintenance and to whose public-spirited liberality is due much of the recent embellishment of this picturesque old town.

Wm. Duckham, the gardener in charge of the D. Willis James estate, is now away on a short visit to England, having started soon after the close of the S. A. F. exhibition, to the success of which he had contributed not a little, and expecting to get back in time to take a hand in the November exhibition of the Morris County Gardeners' and Florists' Society, of which he is president. In his absence his brother, James, superintends affairs and, notwithstanding that

gentleman's modest and unpretentious manner, the visitor does not get far through the well-kept conservatories before acquiring a very exalted appreciation of his abilities.

We stop in admiration before a noble specimen of *Bentinckia Nicobarica* and note in the graceful outlines and poise of *Phoenix Roeblingi* a future dangerous rival for the popular *Cocos Weddelliana*. There are giant *athuriums* and other tropical subjects in abundance and also at present a fine show of blooming *cattleyas*. Some of Mr. Duckham's specimen plants show the severe effects of their trip to the New York convention, their discolored leaves attesting that they left the unfavorable atmosphere of the Grand Central Palace not a minute too soon, notwithstanding considerable criticism of the early breaking up of the horticultural exhibition was heard at the time. Outside, the flower garden is ablaze with autumn bloom and, being well-protected, it is likely to maintain its beauty for sometime to come.

It is difficult to believe that the towering trees that almost touch the top of the lofty dome in the palm house at



NEW ROSE FLUSH O' DAWN.

H. McK. Twombly's have been in their present quarters less than three years. Here, in a size and perfection of health rarely seen, are *Martinezia caryotaefolia*, *Caryota urens*, *Latania Borbonica*, *Kentia Forsteriana* and *Cycas revoluta* and a host of other stately palms, and provision must soon be made for lowering the tallest of them, otherwise they will be in a way to push the roof off.

Two novelties which Mr. Herrington prizes highly are *Clerodendron fallax* and *Gerbera Jamesonii*. The latter, known abroad as the *Barberton daisy*, is a South African plant which, grown as a hothouse annual, produces vermilion daisies of large size, with long stems and strikingly beautiful. An illustration of this flower appeared in a recent number of this journal. A good market awaits the grower who will get up a stock and grow these flowers commercially. Plants of *Clerodendron fallax* from seed sown last spring are now two to three feet tall, with handsome, massive foliage and crowned with luxuriant heads of scarlet, ixora-like bloom. As a Christmas bloomer this plant has a great future; it has the true Christmas color and when dissemi-

nated cannot fail of immediate popularity. Mr. Herrington has 300 acres under his charge. The plantations of conifers and deciduous trees and shrubs and hardy herbaceous plants are very extensive and the broad sweeps of level lawn advantageously placed, afford unobstructed views of the surrounding country for many miles. C. H. Atkins is foreman.

A farm of several hundred acres must be crossed to reach the commercial establishment, also under Mr. Herrington's supervision. Here, in care of C. H. Totty as foreman, are ten modern houses devoted respectively to nectarines, grapes, cattleyas, cyripediums, orchids and chrysanthemums. One house is filled with *Cypripedium insigne* and another with *C. villosum*, the latter blooming directly after *C. insigne*. *Cattleya labiata* is now in full bloom and makes a beautiful sight. These plants are wired on *osmunda* root stumps from the woods. Mr. Herrington says that this beats all the orchid peat and the undoubted health of the plants is the best kind of a testimonial to the correctness of his views. Where specimens in wooden baskets have outgrown their quarters they are not transplanted but pieces of this fern root are simply tied on the outside and the roots take hold of it eagerly. A house of *Cattleya Percivaliana* is ready to follow the *labiatas* and thus fill in the gap until the *Trianaes* are ready. One house of *C. Trianae*, 100 feet long, in which the plants are all grown on long, sloping boards, produced 6,000 flowers last winter. After the *Trianae* a house of *C. Mendelli* and *C. Mossiae* will come in, thus covering the greater part of the year with a succession of *cattleya* blooms.

Mr. Herrington has in one house 4,500 chrysanthemums from which he expects to cut close to 4,500 specimen blooms, they being all disbudded to one flower each. They give every promise of being exceptionally fine exhibition flowers, the stems and foliage being massive and the immature buds of enormous size. The earliest variety grown here is *Robinson* and the latest is *Golden Wedding*. T. J. Warren, the *Yellow Carnot*, makes a favorable impression. Mrs. R. Jones is a new early white from England. Its foliage is inferior and the petals seem inclined to decay at the first suspicion of a foggy night, so its future is not at all bright. *Soleil d'October* is one of the most promising looking early sorts. Other varieties included in the list are *Sunderbruch*, *Solar Queen*, *Australian Gold*, *Pennsylvania*, *Henry Hurrell*, *Mutual Friend*, *Frank Hardy*, *Mayflower*, *Bonnaillon*, *Jeannie Falconer*, *Vivian-Morel* and *Col. Appleton*. In the grape houses are temporarily housed the boxes of carnations which are to take the place of the chrysanthemums as soon as they are disposed of.

It is many years since Madison first came into prominence as a rose-growing center. There was a time when the enterprising growers here practically dominated the rose trade of New York city. The names of most of the men who led in those days have disappeared from the list of Madison's rose producers and in some instances the old establishments have likewise vanished, but with nearly fifty rose growing concerns and an area of 700,000 square feet of glass devoted to this industry, as shown by the directory of to-day, it is evident that Madison must still be classed in the front rank, while her influence is also directly extended all over the country in the

many prosperous growers who began their experience and training here.

The three Noe establishments cover, in the aggregate, over 120,000 square feet and are still being added to. Four new houses have been erected by one and one by another and three more are planned for next spring. *Beauty* is the main crop with each, *Bride* and *Bridesmaid* being principally confined to the side benches which do not afford sufficient height for *Beauty*. The *Beauties* are remarkably clean this season, no disfigurement being apparent, other than the weakening effects of the prevalent damp days, although all are apprehensive of the appearance of the dreaded black spot should this dark, moist weather continue much longer. *Liberty* is doing finely here, making strong, luxuriant growths that give promise of fine flowers later on. The capable foreman, Jos. Ruzicka, is especially pleased with some grafted *Liberty*, the plants of which show a decided advantage over the ungrafted.

Elwood Brant appears to be making a success with the old *Slaughter* place. It was hadly run down at the time he took hold of it and to turn it into a paying institution seemed an almost hopeless undertaking, but it has been newly benched and the stock is in excellent condition now. As with others in the neighborhood, *Beauty* occupies a large portion of the space. Up to the present

time the profits as between *Meteor* and *Liberty* have been in the proportion of about ten to one in favor of the former but the scales will no doubt turn the other way when winter comes. Mr. Brant, who was formerly a clerk for Mr. Herrington, is a bright, unassuming and industrious young man and his hope that at the end of his five years' lease he may have made money enough to pay for a place of his own, seems in a fair way to be realized.

One of the newest places in Madison as well as one of the most complete and substantial ranges of glass in the country is that of Henry Hentz, Jr. There are nine houses under the management of Mr. Nelson, each 20x175, devoted to roses, and two north houses, of equal length but narrower, filled with *Maud Dean* carnations. The carnations seem perfectly at home under these somewhat unusual conditions and are in profuse bloom at the present time. The entire range is connected by a shed, 20x324, the slope of the land allowing for spacious, stone-walled and cemented boiler room and storage apartments.

Marmaduke Tilden's establishment is this year under the care of Mr. Thielman, who was last winter with Bruen, Morris & Crane. Here, too, *Beauty* fills the central benches and teas are planted on the sides. Over on the other side of the town is the domain of R. M. Schultz,



THE SANDER S. A. F. CUP.

which now also includes the old H. H. Francis place. Mr. Schultz is not in sympathy with Mr. Francis' theories regarding the growing of roses in boxes and a big renovation has taken place which shows beneficial results already, the boxes being now in line for the wood pile. The mignonette for which this establishment has long been famous still occupies a considerable section and when spring comes will make way, as usual, for sweet peas as an alternate crop.

Once within the magnetic influence of Mr. Schultz's irresistible hospitality further exploration of Madison is out of the question. There are many more places of past and present interest that we shall introduce on a later occasion. All are looking forward with keen anticipation to the annual exhibition, which will be held on November 7 and 8, when the task devolving upon the judges will be anything but a "cinch."

The Sander Cup.

We present herewith an illustration from a photograph of the Sander cup, won at the recent S. A. F. convention by Julius Roehrs, Rutherford, N. J. This cup was offered by Sander & Co., St. Albans, England, to be awarded to that exhibitor in the trade section whose display was best of all, all points considered, and its possession is an honor of which Mr. Roehrs may well feel proud, for he won over many meritorious displays.

Mr. and Mrs. Thomas Young.

In a pleasant home at Passaic, N. J., are living the venerable lady and gentleman whose portraits are presented herewith, quietly enjoying the sunset of life together, with the satisfaction of a happy and useful career to look back to and a family the majority of whose members have inherited from their father horticultural instincts that have secured for them an honorable reputation in their calling.

Thomas Young is now 82 years of age, having been born at Eastbourne, Sussex, England, in 1818, and Mrs. Young, who was born in Devonshire, is nine years his junior. Mr. Young commenced his gardening career at the Duke of Devonshire's place in Eastbourne. From there he went to Boddegan Hall on the island of Anglesea, North Wales, thence to Messrs. Henderson's Pine Apple nurseries and thence to Mrs. Lawrence at Eaton Park, and afterwards to Abernaut Park, Glamorganshire, where he was fifteen years and achieved a wide celebrity as a pine apple grower. They came to this country in 1870.

Of a family of seven sons and daughters four are prominent in the flower trade of New York: Thomas Young, Jr., long established as a leading wholesaler in the city; John Young, also a wholesaler and the popular secretary of the New York Florists' Club, and George and Wm. Young, who have won distinction as American Beauty growers at Clifton, N. J., George Young being reputed the most uniformly successful cultivator of that rose for the New York market.

Mr. and Mrs. Young will celebrate their golden wedding anniversary November 10.

NEW HAVEN, CONN.—J. N. Champion recently had a public opening of his renovated store and made a very fine decoration of plants and flowers. Many visitors were in attendance, each being presented with a small fern as a memento.



MR. AND MRS. THOMAS YOUNG.

Chrysanthemum Society of America.

The Chrysanthemum Society of America has appropriated \$20 for the purchase of a cup, to be competed for and awarded under the joint auspices of the Chrysanthemum Society of America and the Horticultural Society of Chicago, for the best ten blooms of any variety of chrysanthemum. The judges appointed by President Herrington to pass upon same are as follows: John N. May, Summit, N. J.; Patrick O'Mara, New York, and Emil Buettner, Park Ridge, Ill.

Complete committees as appointed by the president to examine and pass upon seedlings and sports at the various centers are herewith announced as follows:

Boston, Mass.—A. H. Fewkes, chairman, Horticultural Hall, Tremont street; E. A. Wood, J. H. Wheeler.

New York, N. Y.—E. Dailedonze, chairman, care New York Cut Flower Co., 119 West Twenty-third street; James W. Withers, A. Small.

Philadelphia, Pa.—A. B. Cartledge, chairman, 1514 Chestnut street; Wm. K. Harris, John Westcott.

Chicago, Ill.—James S. Wilson, chairman, care J. B. Deamud, 51 Wabash avenue; Geo. Stollery, E. Wienhoeber.

Cincinnati, O.—R. Witterstaetter, chairman, care Jabez Elliott Flower Market, care janitor.; James Allen, Albert Sunderbruch.

Remaining dates on which chrysanthemum seedlings and sports may be examined are as follows: November 3, 10, 17 and 24.

Exhibits to receive attention from the committees must in all cases be prepaid to destination, and the entry fee of \$2 should, when possible, be forwarded to the secretary not later than Tuesday of the week preceding examination.

EDWIN LONSDALE, Sec'y.

Wyndmoor, near Philadelphia, Pa.

WORK OF THE COMMITTEES.

Boston, October 20.—Nathan Smith & Son, Adrian, Mich., exhibited *Iolanthe*, a Japanese, incurved, pink variety, scoring commercial scale 85 points. Tendency of the petals to drop may injure it as a shipping variety. The extreme earliness of the variety was

taken into consideration in making the above judgment.

At Cincinnati the above variety scored 85 points, commercial scale; at Philadelphia, 82 points, commercial scale, 80 points, exhibition scale; at New York, 77 points, commercial scale; at Chicago 71 points, commercial scale.

EDWIN LONSDALE, Sec'y.

The Liberty Rose.

From present indications we will hear quite a few complaints about the behavior of the new rose, Liberty, during the coming season. The fact that this rose belongs to the hybrid tea section has probably been lost sight of by some growers who are trying it for the first time, and may account for the partial failure in handling. During a recent journey through the middle west, and eastern states, I found the majority of growers rather sceptical in regard to the staying qualities of Liberty and not infrequently was it remarked that it was another one of those novelties which, after having enriched its introducers at the expense of the commercial growers, will fade into oblivion, lacking the qualities that make up a good, paying commercial forcing rose.

When we were told that Liberty would thrive with the same temperature and treatment as given Bridesmaid, it was hailed as a gem of the first water. No doubt many a grower longed for its introduction with the expectation of planting it in place of Meteor, which meant the saving of coal bills on account of the lower temperature that it would require. Those who have acted upon this suggestion too hastily may have occasion to regret their decision, for this season, at least; in fact, we doubt very much if Liberty will ever entirely replace the Meteor as a forcing rose. We are inclined to think both varieties have come to stay, just as Bride and Kaiserin share honors as the leading white forcing roses, one variety being at its best at a certain period, while the other is preferred during another part of the season. So Liberty and Meteor will most likely share honors in the class of red varieties. Liberty at its best will no doubt always

command a little higher price than the best of Meteors, since with its other charming qualities it has fragrance, and that is where Meteor is wanting. But, taking the whole season into consideration, we think it a close race as to which would bring in the most money when both varieties are given the same chance.

Our experience with Liberty is that it wants about the same treatment as given Souvenir de Wootton, except that it wants 2° or 3° higher night temperature, say 58° to 60°, day temperature 10° to 15° higher. Like Wootton, it is a gross feeder. A soil consisting of two-thirds medium heavy clay and one-third good rotten cow manure suits it admirably. Give plenty of water, providing the benches are well drained. Liberty should always have a little more water than Perle or Bridesmaid, otherwise you will only get short-jointed growth, producing inferior flowers.

Disbudding is one of the principal factors in growing this rose successfully, and it should be done systematically. Do not pinch off the buds just when you happen to see one, but go over the plants carefully when the buds are about the size of a pea, and then use a sharp knife, cutting two or three leaves with each bud. This is the secret in getting the young plants into a good growth for winter flowering. When we first grew Liberty we made the mistake of nipping out the small buds alone, without cutting any growth with them. It seemed only a short time until the plants were again full of buds; the more we picked the faster the buds appeared, and each succeeding bud had a shorter stem than the previous one. We began to despair, for, while there was no question about its freedom of bloom, the flowers were all worthless. We finally adopted Mr. Asmus' method of cutting the plants back to solid growth, which seems to us the only way of handling this rose to produce good flowers on strong stems.

Liberty is one of those varieties which will respond readily to the best treatment, but is very impatient of abuse. In the hands of a good grower it will prove a splendid investment. We advise every grower to give it a fair trial before condemning it.

S. A. BAUR.

Shrubbery for Forcing.

If you wish to bring any shrubbery into bloom during the winter or for Easter, your preparations should be completed now. If you have plants which are pot-grown, tip them out of the pots about the last of October and place them closely together on the bare floor of a cold house or root cellar. These can be packed three rows high; fill in the spaces and cover the mound thus formed with short manure to prevent drying out. Have the halls moist when tipped out of the pots and if the ground below is moist it will prevent their becoming too dry before they are wanted.

If you have no pot-grown stock, select those in the open field that are well set with buds. Perhaps the most valuable varieties are lilacs, forsythias, *Deutzia gracilis*, *D. Lemoinei*, and *Spiraea Van Houttei*, all of which have set their flower buds by this time, so that you can select those which have sufficient bloom in prospect to be profitable. To be first-class the plants should have been pruned just after blooming, in May or June. Look for buds at the ends of the branches, particularly the growth of the last two seasons, also along the stems in the crotch between the stem of the leaf and

the branch. These buds should be large, firm and nicely coated outside for winter protection.

The illustration shows two branches of *Spiraea Van Houttei* and two of lilac. The spiraea to the left is a "go-as-you-please" branch on which there are a few small pieces that will bloom, but they will bear indifferent flowers. The second branch has been carefully pruned, turning all the energy into a few shoots, which are well set with buds and which will make a beautiful spray when in bloom. Of the two lilacs, both the same variety, the larger promises fine bloom, the smaller only leaves.

It is advisable for every grower to

cheapest and can be the most successful but the pot-grown will be more uniformly good for a larger number of growers

C. B. W.

Treatment of Carnation Blooms.

Mr. Rudd's note on the treatment of carnation blooms after being cut is along modern lines, is very nearly complete and quite correct as far as it goes. My ideas concerning the treatment of carnation blooms have for several years past been along exactly similar lines. I am a firm believer in the idea that total darkness tends to take from rather than preserve the keeping qualities of the flower.



CONTRASTING SPECIMENS OF SHRUB GROWTHS FOR FORCING.

have at least a small nursery in which to grow shrubbery. He can then select the finest for winter forcing. Moreover, the flowers on those which bloom outside are almost always salable and, before they become too large for handling, the plants can be disposed of profitably. Replenish your rows each fall from nursery grown stock.

Weigela rosea is also a pretty shrub for Easter forcing. In putting away your roses for Easter blooming, bear in mind that the nature of the plant is entirely different from the shrubbery mentioned. Roses have not set their buds yet, as with the shrubs mentioned. They bloom on new growth each season. That is one reason why they must be started earlier to come in on time. The strong growth which they may show is of no particular advantage to you unless you handle the roots so carefully as to render severe pruning unnecessary. Particularly with the Ramblers, a long, curved cane, studded with flowers is, of course, beautiful, but unless you succeed in handling them without injury to the roots, it is necessary to cut them back considerably in order to ensure growth of a robust, healthy character. This is why pot-grown stock is safest for the average grower. The field grown is

But worst of all is the ice-box, with its lack of ventilation and consequently damp interior. With its use decomposition is held in check by the cold temperature, but such blooms, when subjected to warmer temperature, soon succumb.

The flowers which will invariably keep the longest are the ones which are cut somewhat before maturity and kept in clean, pure water, in a semi-darkened, well ventilated room from six to twelve hours after being cut. The conditions under which they are cut will regulate the length of time they should be stored before shipping.

It is true that carnation blooms, or almost any other, for that matter, will improve if left in the storage room for several days, but only in the case of necessity should this be done, and then with discretion, as, for instance, holding back for a particular order, holiday occasions, etc. This improvement, which some writers speak of, should take place in the hands of the connoisseur rather than in our storage rooms.

We contemplate the erection of new storage rooms in the near future. The room will be built into an ice house. Light will be admitted from the north side, so there may be no inconvenience from direct sunshine. This window will

be fitted with a frost proof shutter for use in extreme weather, also a curtain to subdue the light. Ventilation will be provided by a large underground tile which will reach the outside air in a cool, shady spot. To insure good circulation an ample sized box will lead from the ceiling to a point above the ice.

Flowers, as well as plants, delight in pure, fresh air, not laden with moisture and bad odors. The grower who supplies this great invigorator judiciously will always find his customers pleased and dealers anxious to buy his stock.

WM. WEBER.

In regard to the statement sent by W. N. Rudd, on the treatment of carnation blooms after cutting, I will say that Mr. Rudd has stated the facts so thoroughly that I have not a word to say against it, only to indorse every word of it, as it is the method which I have followed for the last four years.

WM. NICHOLSON.

We prefer a temperature of 45° for carnation blooms, with clean dry air, and cut the blooms the day before shipping when possible.

DAILEDOUZE BROS.

Rudd Ratiocinates Some More.

Oh! Dear me! What troubles I do have, Mr. Editor, to be sure! What delight every one seems to take in "putting the boots into me!" How they take their hand axes and chop out a sentence here and there, spike on those offensive quotation marks and use them as targets for all sorts of missiles! And what poor marksmen they are! Lots of noise, lots of smoke, plenty of flame, but they don't seem to damage anything except where the gun kicks.

Now here is Wallace, as a case in point, a good and honored member of the Ananias Society. Was I going to be cruel enough to publish broadcast, so that the whole world would know, that he and his paper were printing such mistaken advice? Not I! Out of pure good fellowship and kindness of heart I concealed the damning fact by speaking of "another paper," and now he acts as though my kindness was not appreciated. What an ungrateful man. What a football player that chap would make! How he wiggles and dodges and runs around the ends, only he always runs out of bounds and never seems able to kick a goal. He claims what he said was that "about 40°" was right for storing carnations, with strong emphasis on the "about." Worse and worse, brother! Isn't 38° "about" 40°? I guess yes. But now he says "anything lower than 40° should not be maintained," etc. Further on he says the "best growers and largest shippers in the vicinity of New York hold their cut flowers in a temperature of between 45° and 50°." Pray, brother Wallace, is 45° to 50° "about" 40°? Is it possible that the editor of "another paper" does not know that a temperature of 50° is not warmer than the majority of carnations are now carried at night by many growers? His words must be so construed.

No! No! Brother Wallace, the writer has discovered neither a "mangy dog" nor a "mare's nest," but just a great big blunder. For carnations which have been grown right, and which have been cut at the right time, 50° is the best temperature for storage, while those blooms which have been left on the plant until the "commencement of decay" should not be stored but cast into the rubbish pile.

W. N. RUDD.

New York.

UNSEASONABLE STATE OF THE MARKET.—UNWIELDY RECEIPTS IN NEARLY ALL LINES.—FLORISTS BUSY PLAYING POLITICS.—TAKE A HOLD ON EACH SIDE.—FUNERAL OF HENRY BUTLER.—VARIOUS ITEMS OF INTEREST.

We have been favored with unseasonably warm weather this week, more like early September than late October, and the already demoralized rose market has had a very hard time, in consequence. Wholesalers stand aghast at the immense heaps of Beauties, Brides, Bridesmaids and Meteors that are loaded in on them every morning and the hopelessness of the situation is intensified by the equally unwieldy receipts of chrysanthemums, this disturbing crop having already caught up with itself and being now on time instead of a week or ten days late, as it was reputed to be a few days ago. Notwithstanding its political advantages, the carnation has been forced to take a tumble with everything else and prices are only about one-half of what they were. The violet seems to have discreetly withdrawn from any prominence in the field and so long as the warm weather lasts will not give much trouble, apparently.

The New York Florists' Sound Money Club is an organization of the younger members of the city trade, chiefly retailers, for the purpose of participating in the big parade of business men on November 3. They held their second meeting on Tuesday evening, October 23, and arranged details of banner, decorations, boutonnières, etc., W. L. Trumppore presiding. "Billee" Bogart was elected sergeant-at-arms and was also selected on account of his good looks as color sergeant for the parade. The fun of the evening began when John Morris appeared and entered a protest against what he considered a deceptive infringement of the rights of the New York Florists' Club, in the title of the organization, and the amusing scene then and there precipitated will doubtless be recounted many a time fifty years hence, when the young men present have all become grandfathers. As an imperialistic ruler Chairman Trumppore would make Tom Reed turn green with envy and a photograph of the dignified sergeant-at-arms discharging the duties of his office would be worth its weight in sound money. On the evening preceding the above mentioned occurrence some of the local floricultural lights of the opposite political persuasion had a little circus of their own, a bunch of them having attended a Tammany meeting at Cooper Institute with a big Boer flag in their possession which, at an opportune moment, was sprung on the audience with electrical effect and completely ruined the well-meant but tiresome address of a prosy orator. Thus do we while away the unprofitable weeks preceding the election.

On Saturdays during October and November the staff in charge at the New York Botanical Gardens will receive members and their friends and lectures will be given on botanical subjects in the Museum building at 4:30 p. m. The Harlem Railroad Company has begun the erection of a new station at Bedford Park, near the entrance to the garden, which will cost \$30,000. During the absence of Dr. Britton in Europe, Dr. D. T. MacDougal is acting director.

The funeral of the late Henry Butler took place on Sunday from St. Luke's Chapel, with burial at Woodlawn Ceme-

tery. There was a profusion of floral offerings, many of them from fellow-florists, and among the friends present were Theo. Roehrs, Alex. McConnell, Frank Traendly, Geo. M. Stump, C. A. Dards, A. Schultheis, H. Scherrer, J. Fitzgerald, J. Hammond, Wm. Burns, C. Butler and all the employees of the deceased.

The handsome new store at 14 West Thirty-third street which is to be opened by Misses S. M. Tucker and A. B. Babcock under the name of The Fernery, will be ready about November 1. A chrysanthemum show will be given on November 8. W. H. Long, the veteran florist, has been engaged as chief of staff.

Chas. Behnken, a small flower dealer in Jersey City, committed suicide by shooting himself, on October 13. He was 24 years of age and had been married only a few days previous.

On October 15 the new plant nursery department at Bronx Park was formally opened. The collection of plants is already quite extensive. Robert Demcker is the gardener in charge.

Miss Violet Stransam Nash, daughter of J. Nash, of Moore, Hentz & Nash, was married on Wednesday, October 24, to Mr. Arthur Joel, at St. Agnes' church.

A letter from Wm. Plumb tells of his safe arrival in England after a very narrow escape from shipwreck on the Irish coast.

E. B. Sutton, Jr., is gleeful over the fine condition of carnations at Babylon, Ethel Crocker being his especial favorite.

John Young is receiving a large quantity of chrysanthemums suited for exhibition purposes.

C. A. Dards returned last Thursday from a pleasant European trip.

Thorley used some 4000 red carnations at a funeral recently.

Visitors: Carl Jurgens and Carl Jurgens, Jr. Newport, R. I.

Philadelphia.

WARM WEATHER IN QUAKERTOWN.—ALL ABOUT THE CUT FLOWER PRICES.—FIGURES FOR THOSE WHO LIKE THEM.—GRAHAM'S NEW HOUSES.—CARNATION GROWERS' TROUBLES.—AZALEAS AT DREER'S.

We are now having fakirs' weather and plenty of it; these gentry are all doing extra service, preferably with American Beauties, with great armloads of which stock they are to be seen parading the streets in the shopping districts during the busy hours of the day. One or two warm days make a wonderful difference in the quantity of stock and what is held high one day is sold for a song the next. Prices of Beauty are about the same as last week, only they soften more quickly. Between "have you any?" and "don't you want?" there is a difference of anywhere from ten to fifty per cent. Instead of a query as to where the chrysanthemums are it is now a problem where we shall put them, for the market is rapidly filling up. Yellow and white Merry Monarch, Bergmann and Glory of Pacific are the kinds now in and the prices range from \$1 to \$1.50 per dozen. Ivory will be seen in a day or so and after that the demand will need to brisk up considerably to keep the market from clogging. Carnations are slowly getting better. Whites seem scarce at times but now that chrysanthemums are in they will have a chance to catch up. Prices range from \$1 to \$2. Violets are getting better; 60 cents to 75 cents is the price for the doubles and 25 cents to 35

cents for the singles. Cosmos and dahlias are still with us but are not now a factor. Plants are getting to be more in demand but the clerks in the stores could wait on a few more customers daily if they had the chance. Business, however, is picking up all along the line, the volume getting greater as the season advances.

Hugh Graham has just finished a range of houses at his place on the old York road. There are three joined together on the Dreer pattern, with pillars under the gutters. They cover a space 60x150 feet and are to accommodate their tall palms. A new carnation of the Victor type but more like Daybreak in color, called Mrs. Van Rensselaer, seems like a winner. Chrysanthemums look well here and perhaps a few surprises in seedlings may be sprung later on.

Carnation growers in this neighborhood are complaining of the plants damping off in the beds inside, stem rot seeming to be more prevalent than usual. There are certainly a great many obstacles to overcome between the cutting bed and the final returns from flowers sold and this stem rot is getting to be not the least one of the many. Who knows a remedy?

At Dreer's one day last week eight car loads of azaleas arrived from Europe. They are in fine condition and even after the export orders are all out it will tax their resources to house the balance.

K.

Boston.

MARKET IS OVERSTOCKED AND TRADE DULL.—PLANTSMEN ALSO COMPLAINING.—AT HORTICULTURAL HALL.—VARIOUS ITEMS.

In common with other sections of the country Boston is just now embarrassed by an overstock of flowers of all kinds, resultant from the summery weather and full crops of everything, including chrysanthemums, which are now coming along with amazing rapidity. Plant business is also very dull, so the growers state, and altogether there is little in present conditions to excite boasting or encourage confidence. But we are hoping for better things before long.

Last Saturday was a big day for the mushroom and toadstool cranks, who half filled Horticultural Hall with the curious products of their excursions through woods and fields. Other than these the only exhibits were a fine hybrid cattleya, *C. Maronii* (*C. velutina* × *C. aurea*) for which J. E. Rothwell got a certificate of merit, and a chrysanthemum seedling named *Iolanthe*, a handsome, incurved Japanese raised by crossing a seedling of *Marquis de Montmort* and Mrs. Bergmann with Mrs. Perrin. The color is a bright silvery pink.

The Horticultural Club had its first meeting and banquet of the season at Meusset's, on Thursday evening, October 25. The guests were Messrs. Farmer, from South Africa; Duncan, from Alaska; Powell, of Taunton; Finlayson, of Brookline, and Thiemann and McGregor, of Manchester.

Wm. W. Edgar has just finished unpacking nineteen large cases of plants from Sander & Co. Among them are some of the finest specimen rhododendrons ever imported for this market.

H. J. Townsend, of Hyde Park, is a petitioner in bankruptcy.

R. G. Danforth, of Skowhegan, Me., is a visitor in town.

CHAMBERSBURG, PA.—William Fisher has completed a new house and put his place in first-class shape.

Chicago.

STATE OF THE MARKET.—A SLIGHT BRACE AFTER A PERIOD OF REACTION.—TOO MUCH STOCK OF EVERY KIND.—PROSPECTS FOR A BIG WINTER.—NEED OF BRISK WEATHER.—INTEREST HIGH IN FLOWER SHOW.—SUCCESSFUL AUCTION SALE OF PLANTS.—WITH BOWMANVILLE GROWERS.—PERSONAL DOINGS AND VARIOUS ITEMS OF INTEREST.

We have had variegated weather, too much politics, too much stock and too little business this week. The influx of chrysanthemums began October 11, and since then they have ceased to move with the rapidity which is necessary to a first-class market. Prices range up to \$4 per dozen for the better class of material, but the average price has been much lower than it would be with brisk autumn weather. Violets, too, are coming in by the thousands and the market is overloaded, clean-up sales going on record at \$10 for 500 bunches. Roses are also sharing in the general stagnation and there is an unusual accumulation, even in American Beauties although good stock of this latter specialty is selling out clean. The Brides and Bridesmaids, while of fair quality, are very soft and do not keep well, so that an accumulation means an inevitable loss. Carnations are doing a little better because of their various utilities, but they, too, are in over-supply. The fakirs are the outlet for the very heavy over-stocks, and they are handling huge basketsful of stock. This condition of affairs is very generally blamed to the weather and the campaign. The first of the week was stormy and little was doing, and the following days have been almost summer-like, a condition not conducive to a demand for cut flowers. It is the consensus of opinion that the approach of the flower show and the advent of brisk weather will stiffen up the market so that growers will have not a word of fault to find. Every indication points to a splendid season's business as soon as things settle down to their normal conditions. Every man who has ever bought flowers in this market has been heard from this season, and a great many new buyers have come in. Although as yet all orders have been small, this presages a lively demand this winter and there are few who doubt that the increased production, as compared with last year, will be readily taken care of.

Several features promise to add much interest to the forthcoming flower show. The competition for the silver cup, offered by the Chrysanthemum Society of America, promises to be very sharp because only ten blooms are called for, with no restriction as to variety. There are a great many growers who think that they can stage ten blooms which will beat any other ten, and the judges will probably have their hands full when they take up this class on Friday, November 9. The retail florists all want to possess the sterling silver service offered for the dinner table decoration, and are already making arrangements with the sources of supply for the flowers necessary to make their best show. The rose growers promise to be more in evidence than heretofore, and there is a handsome silver cup offered for the best rose never before exhibited in this country.

The plant auction of the Harms Park Floral Co., at McKellar & Winterson's, on Wednesday and Thursday, attracted a good-sized crowd of the local greenhouse men and storekeepers. Williams, Barker & Severn were the auctioneers and realized fair prices for the stock,

which was divided into small lots in order that all the bidders might be admitted to the competition. McKellar & Winterson think so well of the success of the auction that they are inclined to make plant sales a regular feature of their business. Edgar F. Winterson should be the Cleary of the west.

Out in the floricultural district north of town, the Kruchten brothers have gone into carnation growing. Nick Kruchten is located near Bauske, in Bowmanville, and has ten 100 foot houses, built this year and stocked with the best varieties of carnations. Henry Kruchten is on Lincoln avenue, near Webers', where he has four 200 foot houses devoted to carnations. Both of these growers have previously devoted their attention to vegetables. They are considering their cut to J. A. Budlong.

Adolph H. Poehlmann has opened his wholesale store 55 and 57 Wabash avenue. He has not yet completed all the decorations of the place but he has one of the finest ice boxes in town ready to receive his cut should he have any stock which is not sold upon arrival. He is making every preparation to handle shipping trade and, although he is at present growing nothing but roses, has made arrangements to supply every variety of stock which the market affords.

N. P. Miller, superintendent of the approaching flower show, will have office hours from 2 to 5 p. m. daily, commencing October 29, at room 1002, 185 Dearborn street, where exhibitors may apply for space. The present indications point to a strong pressure upon the available room and exhibitors will do well to make their arrangements with Mr. Miller at once, particularly those who have entries for the first day.

Although general report is that local retail trade is dull, the Central Floral Company is doing a big business. This firm will have to seek a new location in the spring, as Marshall Field & Co. have acquired the Central Music Hall property, in which the florists are now located, and will tear it down shortly to make way for what is to be the finest retail store building in the world.

Andrew McAdams, who has spent nearly a lifetime in the retail business on the south side, says that the competition between the department stores and the street fakirs is steadily grinding down retail prices and that a man has to do a large business these days to pull out any profit.

Wm. Fluegge, who is growing carnations under about 25,000 feet of glass out Bowmanville way, is so well satisfied with the prospects that he is already planning to build three houses 22x116 next year. He sold a great many field-grown carnation plants this fall.

Peter Reinberg had chrysanthemums which in August were well up toward the glass and looked as though they would be remarkably early, but they are just ready to cut and are hard to beat, either for size of flower, length of stem or profusion of foliage.

Poehlmann Brothers have got their chrysanthemum cut well under way. They also have a stock of specimen plants, in several varieties, which will be ready soon. They found these very salable last season.

Flint Kennicott, president of the Kennicott Bros. Co., has returned from his summer residence in the country and is now nicely domiciled at 5607 Washington avenue, in Hyde Park.

A. L. Randall has thrown a partition across his store, converting the rear half into a cool room, which he finds excellently adapted to the purpose of keeping cut flowers pending sale.

The Geo. Wittbold Company had a big decoration for a reception at the home of A. M. Rothschild on Wednesday. A large number of palms and 1,000 American Beauties were used.

This is the third year that John Assa has been growing carnations out in Bowmanville. He has four houses 25x250 and is producing some very good stock.

George Reinberg has his houses just coming into crop and will have supplies to meet the very brisk demand which everybody expects next month.

Wietor Brothers are cutting some Meteors which will set Liberty a warm pace if the new introduction is to supplant the old favorite.

A. H. Budlong was 30 years of age on Wednesday and Mrs. Budlong invited a number of their friends to help him celebrate the evening.

F. F. Bentley reports that, while stock has been a little over plentiful of late, he finds business good and expects a remarkably busy winter.

George Ede has removed to Chillicothe, Ohio, with his family, to take charge of the establishment of the McKellar Floral Company.

Weiland & Risch are cutting better blooms of Mrs. Lawson every day and are more than pleased with the variety. Local parties who have imported azaleas this year report the plants arriving in unusually good shape.

E. E. Pieser, of the Kennicott Bros. Co., has been confined to his home this week by tonsillitis.

The condition of Mrs. Ed. F. Winter-son's health has not improved.

Visitors: Ed. Marriott, of the Woodland Park Floral Co., Seattle; Mr. Suder, Toledo, O.

Youngstown, O.

A PAIR OF NOTABLES GIVEN A WARM GREETING.—A VISIT TO THE OLD HIPPARD PLACE.—POPULAR PHILADELPHIANS SURE TO MAKE A BIG SUCCESS WITH IT.

William Jennings Bryan and myself struck town simultaneously. Each of us was given a most hearty welcome, Bryan by his host of admirers, I by my former townsman, the genial, whole-souled John Walker. And right here I will remark, in passing, that to know Mr. Walker means to entertain the highest regard for him. If honesty, strict attention to business, straight forward methods of dealing and popularity in the general acceptance of the term, count for anything, Walker's venture in Youngstown is an assured success. It is not my object, however, to sing John's praises.

What attracted my attention upon entering his flower store was the carnations. I never saw the like of them at this season of the year. Flora Hill seemed to have expanded to its full extent, the blooms measuring, on the average, three and one-half inches in diameter. Scott, Oneida, Peachblow and a seedling as yet unnamed presented a sight worth seeing, while Red Jacket, Crane, America and Seneca Chief were likewise at their best.

To visit the greenhouses, located within a mile from the center of the town, was next in order. Here I beheld a range of fourteen splendidly equipped and well stocked houses. The master mind pre-

siding over the plant was evident on all sides, in every nook and corner, system, order and up-to-date methods obtaining throughout the establishment. Although but seven weeks in Youngstown, Mr. Walker has had a little experience which would have discouraged the average man, but which to him proved rather amusing. He had no sooner moved into his residence, than his landlady was "awfully sorry" to inform him that she had sold the property and would have to trouble him to look for quarters elsewhere. Nothing daunted, John packed up and moved into a beautiful house on Price street.

Carnations had to be planted and help, experienced help, was at a premium. Again John was equal to the occasion, his resourceful mind soon finding a way out of the difficulty. He reasoned thus: Any man intelligent enough to handle a spade can dig up carnation plants; to haul dirt and fill in the benches does not require any especial skill; to plant carnations one could soon learn under the guidance and instruction of an experienced grower. As there were numerous applicants, big, heavy, strapping fellow from the surrounding mills and foundries, hands laid off, he hired several and was in no wise disappointed. These fellows did their work admirably, handling the "posies" or "posy" plants in a manner to do them credit. Some liked it so well that they applied for permanent jobs. The way one 250-pounder, a mill hand, dug the carnation plants and laid each one tenderly aside would furnish a splendid subject for the cartoonist.

While roses and carnations will be grown extensively, it is Mr. Walker's intention to branch out in palms and decorative plants. A house full of young plants, arecas, kentias and latanias look strong and promising.

The day I left, Geo. McClain, for twenty-six years with George Craig, of Philadelphia, was expected to arrive in Youngstown to take charge of the store on Federal street. It would be hard to point out a better team than Walker and McClain, the former a grower second to none, the latter a designer, decorator, artist and all-around storeman, than whom there is not a better in the country. Success to you, Walker & McClain! May your shadows never grow less!

Having disposed of his greenhouses E. Hippard will give his entire attention to his standard ventilating machine and his ingenious steam trap. Mr. Hippard reports a marked increase in the number of orders. It is Mr. Hippard's opinion that prosperity is in store for all of us.

NOMIS.

Washington.

TWO NEW AND WELL EQUIPPED FLOWER STORES.—STATE OF TRADE AND SUPPLIES.

Lewis P. Litzinger and Thomas J. Wade have opened a flower store at 1714 Fourteenth street, N. W. The store has been neatly fitted up and quite a display of plants and cut flowers is made. Mr. Wade was formerly with Thorley and Fleischman, at New York, and recently with Looze and Freeman, in Washington.

Chrysanthemums are coming in plentifully but are in little demand, although a number are being shipped to neighboring cities. Violets are improving in size. Carnations are not very good yet.

A. Gude & Brother are cutting a large number of fine roses, Meteor, La France, American Beauty, Kaiserin and Bridesmaid. One house of chrysanthemums is full of color.

George C. Shaffer has opened a flower store at the corner of Fourteenth and I streets, where he is nicely equipped for business.

P. G.

Bennett, Pa.

Breitenbaugh Bros., of Little Beauty fuchsia fame, have somewhat expanded since I last visited their place. By expansion I mean an additional palm house built during the past summer, which covers 40x115. It is a fine structure, built in an up-to-date way and equipped with all the modern appliances. Not content with the laurels which Little Beauty won for them, they will soon come to the front with a White Beauty, a beautiful fuchsia, a compact, strong grower, a continuous bloomer and one which is sure to make its mark. Their Monarch coleus is pre-eminently the monarch of its kind. They intend putting it upon the market during the coming season. To strike a vein of coal upon a hill within a stone's throw of one's place is what may be called luck. The Breitenbaugh brothers have made the discovery and are reaping the benefit therefrom.

C. H. Koenig has made extensive additions to his place and is growing both bulbous stock and carnations for the wholesale market. His small kentias and latanias look well, his larger plants having found a ready and speedy sale in the local market.

NOMIS.

Montgomery, Ala.

Last year the city of Montgomery purchased a natural grove of forty acres for a public park. The same has been laid out with drives and walks and flower beds, and now presents a most attractive appearance. The work was done under the superintendence of Jos. Pfingstl, who has shown himself a landscape gardener worthy of the name.

Rosemont Gardens, W. B. Paterson, proprietor, just outside of this park, has erected seven new houses 100 feet long this season. One of these is planted to smilax, one to asparagus, one is occupied by palms and ferns and four by carnations. In addition to these they have three older houses in carnations, one of Beauties, two of Brides, Bridesmaids, Golden Gate and Chatenay. Two houses are used for chrysanthemums, one for violets and one for propagating. Mr. Paterson's business shows a steady increase and his stock is in excellent condition.

Miss Lucy Wilson has built a fifty-foot house this summer.

TOM.

WASHINGTON, PA.—I. Shelby Crall is now located at 113 N. Main street, in a larger store, where he has all the facilities for increased business.

KENTON, O.—W. Sabransky is a believer in expansion and has recently annexed considerable adjoining property. He now occupies nearly a city square for his business.

MINNEAPOLIS, MINN.—H. F. W. Busch has begun the erection of three new greenhouses at Fiftieth street and Lyndale avenue S. Two of the houses will be 21x200, the other 21x100.

MORRISON, ILL.—Davis Brothers built three new 100-foot greenhouses this summer and have two of them planted with carnations, the other with violets. Two of their old houses they have just planted with cucumbers, sterilizing the soil before putting it on the benches.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 28 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

JOBBERs in glass have been given a
special discount by the American Win-
dow Glass Co., where they combined to
place a large order.

THE Bureau of Statistics of the United
States Treasury Department show that
the price of window glass October 1 was
twelve per cent lower than a year ago.

HUGH Low & Co., of London, England,
are offering Schizanthus Wisetonensis, a
pretty annual recommended for spring
and early summer bloom as a pot plant.

Temperature Indicator.

ED. AM. FLORIST:—If there is any
grower who has tested the Wilder elec-
tric temperature indicator advertised in
your columns about a year ago, he
would confer a favor by stating whether
any success has attended its use. S.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

E. G. Lake, Wellesley Hills, Mass.,
registers Mangus; color, pure white;
flowers two and one-half to three inches
in diameter, on stiff, wiry stems, eighteen
inches to two feet in length; an excellent
keeper; growth strong and vigorous and
an early and very free bloomer.

ALBERT M. HERR, Sec'y.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Peter Henderson & Co., New York city,
register new, ever-blooming hardy rose,
Pan-American, a cross between American
Beauty and Mme. Caroline Testout.
Color under glass in winter, soft red, a
little lighter than American Beauty. In
open ground in summer, deep, satiny,
rosy pink. Flower, full double; guard
petals cupped; fragrance strong.

WM. J. STEWART, Sec'y.

Plan for Heating.

ED. AM. FLORIST:—I have two houses,
one running south from the boiler shed,
No. 2 extending west. No. 1 was built
below ground and is used as a cool house.
These houses are heated with three rows
of 4-inch pipe on the up-grade system. I
have just added another depressed house
adjoining No. 1, removing the partition
wall. The old structure is 19x40, the new
16x40 and I wish to know how to heat
it without making a great change in the
other piping. SUBSCRIBER.

If I correctly understood the question,
"Subscriber" merely asks the best method

of piping a cool greenhouse 16x40 feet.
For a house of this length either 1½ or
2-inch pipe may be used, and for a maxi-
mum of 50° ten of the former and eight of
the latter size will be required, of which
two should be flow pipes. If it is desired
to combine the two sizes, use three 2-inch
flows and six 1½-inch returns. If a single
supply pipe is desired a 2½-inch flow pipe
will be amply large. If all the pipes are
under the benches, the circulation in the
various houses will be even. L. R. T.

Memorial Day Flowering Plants.

ED. AM. FLORIST:—Please give a list
of the most desirable flowering plants
for sales around Memorial day. C.

New York.—The best selling plants for
Memorial day here are roses, geraniums,
hydrangeas, heliotropes, petunias, fuch-
sias, pansies, forget-me-nots and daisies.
WM. NILSSON.

Brides Injured.

ED. AM. FLORIST:—I enclose a couple of
injured growths of Bride rose and should
like to know what causes the damage.
G. H.

The branches show injury similar to
the way the grass hopper punctures
young growths. There are several vari-
eties of caterpillars which do similar
damage. By a little careful watching at
early morning and again by lamplight in
the evening, the marauders can be caught
and punished according to their deserts.
JOHN N. MAY.

Greenhouse Building.

Sidney, O.—B. P. Wagner, three houses
22x75.

Baldwinville, Mass.—Clark Streeter,
one house.

Baltimore, Md.—John R. Donn, two
houses.

Unionville, Vt.—Thos. J. Lamont, one
house.

Burlington, Vt.—A. E. Richardson, one
house.

Mt. Hope, Pa.—Herman Broadbelt,
one house.

New Haven, Conn.—John Doughty,
two houses 18x100.

Westfield, Mass.—Frank Perould, one
house.

Bradford, Pa.—G. P. McFarland, one
house.

Concord Junction, Mass.—Geo. Milne,
one house.

Boiler and Piping.

ED. AM. FLORIST:—My boiler and work
room is 10x28 covered by tin. To the
south of it are two even-span houses, one
for carnations, 18x40 and ten feet to
ridge, one for plants, 15x40 and eight
feet six inches to ridge. Between the
boiler shed and the residence to the
north, connected with each, is a rose
house 15x32, nine feet to ridge. Each
house is double boarded all around and
lined with heavy building paper three
feet high. In each house there are three
benches, two on the sides and one in the
center, each bench two feet nine inches
above the ground. How large a hot
water boiler will be required to heat these
houses and how much piping, the outside
temperature seldom falling below zero?
I wish to use 2-inch pipe; what size flow
and returns should I use and how many
runs? J. H. R.

A boiler with a capacity of 900 to 1000
feet of radiation will be desirable,

although the amount actually in use will
be but little more than 700 feet. For 50°
in the carnation house and 60° in each
of the others ten 2-inch pipes will be
required, of which either two or three
can be flows and the others returns. If
the supply for all of the houses is taken
from one port of the boiler it will be well
to use a 4-inch pipe, but a 2½-inch pipe
will supply the rose house, and a 3-inch
will be sufficient for the other two, with
a 2½-inch branch to each house. The
main returns should be of the same size
as the supply pipes. The above is cal-
culated to give economy of fuel and labor
of firing, but if a low first cost with a
slightly larger expense for labor and fuel
than would be necessary as outlined
above is preferred, the number of pipes
can be reduced from ten to nine, or even
eight under favorable circumstances.
L. R. T.

A Question of Flows.

ED. AM. FLORIST:—We have two houses,
16x66 and 20x66. Our boiler has two
2-inch flow pipes, one for each side, but
we propose to put in a larger heater.
Will it be all right to have one 4-inch
flow from the boiler branching into two
2-inch flows, one for each house? What
size flows and how much radiation are
required to keep a temperature of 55° in
Illinois, the houses being nine feet to
ridge and with four-foot side walls?
G. & B.

A 4-inch main flow pipe will answer for
both houses, but it should branch into
two 3-inch, one of which will supply each
house. For the flow pipes inside the
houses it will be better to use two
2½-inch in each, with seven 2-inch
returns in one house and ten in the other.
L. R. T.

Piping for Hot Water or Steam.

ED. AM. FLORIST:—I am building a new
house 16x75 feet and nine and one-
half feet to ridge. There are eighteen
inches of glass in each side but the north
end is protected by the boiler room and
another house. If I use steam heat how
many rows of 1½-inch pipe, with one
2-inch overhead flow, will it take to
ensure 55° in zero weather? If I should
decide to use hot water, how many rows
of 2-inch pipes will it require with an
overhead flow? If steam heat is used is
it practicable to get the condensation
back into the boiler, the base of the
boiler being six feet below the floor of
the greenhouses. How can it be done?
Please state the capacity of the boiler,
both steam and hot water, necessary to
heat the house already described and one
17x50, three-quarter-span, east and
west, nine and one-half feet to ridge,
north wall six feet and south wall four
feet, the buildings somewhat exposed to
northwest winds. B. J. A.

To heat the house by steam it will
require eight 1½-inch pipes in addition
to the 2-inch flow; if hot water is used it
will be desirable to use ten 2-inch pipes,
of which three should be flows. The
water will return to the boiler if the
water level is two feet below the returns,
although more than this is desirable.
The returns can be united and one
1½-inch pipe will answer to carry the
water by gravity to the bottom of the
boiler. The amount of steam radiation
actually required will be considerably
less than 600 square feet, and although
one horse-power is considered sufficient
for each 100 square feet of radiation, it

is not desirable to use less than a ten horse-power boiler for the two houses. In a similar way the hot water radiation of less than 900 square feet, should have 1,000, or, better yet, as much as 1,200, square feet as the capacity of its boiler.

L. R. T.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BALTIMORE, Md., February 21-22, 1901.—Exhibition of the American Carnation Society. Albert M. Herr, Sec'y, Lancaster, Pa.

BOSTON, MASS., November 6-9.—Chrysanthemum show, Massachusetts Horticultural Society. Robert Manning, Sec'y, Horticultural Hall.

CHESTNUT HILL, PA., November 7-9.—First fall exhibition Chestnut Hill Horticultural Society. Robt. G. Carey, Sec'y, Chestnut Hill, Pa.

CHICAGO, ILL., November 6-10.—Annual exhibition, Horticultural Society of Chicago. W. N. Rudd, Sec'y, 1002, 185 Dearborn street.

COLD SPRING, N. Y., November 8-9.—Second annual exhibition, Putnam County Horticultural Society. John A. Connolly, Sec'y.

DENVER, COL., November 7-9.—First exhibition, Denver Florists' Club. A. M. Lewis, Sec'y.

ELMIRA, N. Y., November 14-15.—Chrysanthemum show, Elmira Horticultural Society. H. N. Hoffman, Sec'y.

HARTFORD, CONN., November 6-9.—Chrysanthemum and carnation exhibition, Connecticut Horticultural Society. L. H. Mead, Sec'y, Hartford.

HOUSTON, TEX., November 15-16.—Seventh annual chrysanthemum show for DePelchin Home. Mrs. M. E. Bryan, Sec'y.

INDIANAPOLIS, IND., November 14.—Exhibition of State Florists' Society of Indiana. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

LOUISVILLE, KY., November 10-12.—Tenth annual floral festival of the Kentucky Society of Florists. Hy. Lichtefeld, Sec'y, Louisville.

MADISON, N. J., November 7-8.—Fifth annual exhibition, Morris County Gardeners' and Florists' Society. Chas. H. Atkins, Sec'y, Madison.

MONTREAL, CAN., November 12-14.—Annual chrysanthemum show, Montreal Gardeners' and Florists' Club. W. H. Horobin, Sec'y, 130 Tupper street.

NEWPORT, R. I., November 13-15.—Ninth annual chrysanthemum show, Newport Horticultural Society. Robert Johnston, Sec'y, Harborview.

NEW YORK, November 14-15.—Chrysanthemum Show, American Institute. George Whitefield, Jr., Sec'y, Berkeley Lyceum Building.

PHILADELPHIA, PA., November 13-17.—Annual exhibition, Pennsylvania Horticultural Society. David Rust, Sec'y, Horticultural Hall, Broad street.

POUGHKEEPSIE, N. Y., November 6-8.—Annual exhibition, Dutchess County Horticultural Society. W. G. Gommersall, Sec'y, Poughkeepsie.

PROVIDENCE, R. I., November 14-16.—Chrysanthemum exhibition Rhode Island Horticultural Society. C. W. Smith, Sec'y, 61 Westminster street.

SAN FRANCISCO, CAL., October 25-27.—Fall exhibition California State Floral Society. Mrs. Henry P. Tricou, Sec'y, 846 Grove street.

ST. LOUIS, MO., November 14-16.—Tenth annual chrysanthemum exhibition, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

TORONTO, CAN., November 7-10.—Annual exhibition, Toronto Gardeners' and Florists' Association. W. C. Jay, Sec'y, 438 Spadina avenue.

WACO, TEX., November 13-17.—Fifth annual chrysanthemum show, Texas State Floral Society. Mrs. M. B. Davis, Sec'y, Waco.

OBITUARY.

HARRISON A. LYON.

Harrison A. Lyon, an old and respected citizen of Rochester, N. Y., died October 17. Mr. Lyon was born in Saratoga county, New York, in 1815 and from 1830 had lived at Rochester, with the exception of a period spent in travel. He was for many years a partner of A. J. Fisk in the nursery business, then in its early stages, and was later in business with L. W. Hall, continuing this connection until 1899, when he was compelled to give up active pursuits. He leaves a widow, one son and a daughter.

THOMAS C. AUSTIN.

Thomas C. Austin, of the firm of T. C. Austin & Sons, of Suffield, Conn., died on October 20. He suffered a paralytic stroke, two days before and did not regain consciousness. Mr. Austin was

one of Suffield's oldest citizens and was born and had always lived in the house where he died. He was one of the twelve children of Thomas Austin, and was the last of the six sons. Mr. Austin had been a nurseryman and florist over forty years, and had built up an extensive business. He leaves, beside one sister, eight children, the sons Charles C., Edgar, Arthur H., T. C., Jr., and William, all of Suffield, and Burton, of Willimantic.

OYSTER BAY, N. Y.—Italian gardens of an elaborate character are to be laid out on the estates of Messrs. Benedict and Weidenfeld. The work is to be done by August Ellwood, the Southampton florist.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2920 South Park Ave. Chicago.

SITUATION WANTED—By a first-class salesman and designer in florist store. Long experience. Address Box H, care American Florist.

SITUATION WANTED—By a sober florist. Good grower and designer. Best of recommendations. Address STANLEY, care American Florist.

SITUATION WANTED—As repair man around greenhouses; 3 years' experience; near Chicago or west preferred. State wages with board. Address W. T. LAMS, Htnadale, Ill.

SITUATION WANTED—By a practical florist and gardener, capable to take full charge of commercial or private place. For particulars, address Box 50, Williams Bay, Wis.

SITUATION WANTED—By young man with four years' experience in cut flower and plant growing. West of Ohio preferred. Address W. A., care American Florist.

SITUATION WANTED—As foreman. First-class grower of roses, carnations and general stock; age 30; 16 years' experience. Address BEAUTY, care American Florist.

SITUATION WANTED—By young florist, well up in palms, ferns and cut flowers. Best of references. State wages with or without board. Address S K K, 18 Cleveland Ave., Chicago.

SITUATION WANTED—By experienced florist. Grower of fine roses, carnations, 'mums, specialties, design work. References Address FLORIST, 1021 West 3rd St., Canton, O.

SITUATION WANTED—James Andrews, manager, Victoria Greenhouses, South Dartmouth, Mass., is open for engagement as florist or vegetable grower; lifetime experience in greenhouse work.

SITUATION WANTED—By florist and landscape gardener; 25 years' experience in prominent commercial, private gardens in Europe and America. State terms and wages. Best references. S, care American Florist, Chicago.

SITUATION WANTED—By an expert florist, speaking and writing English, German and considerable French, position as agent or to travel in Europe. Best of references. Write at once, stating salary and conditions. E M, care American Florist.

SITUATION WANTED—By Scotch gardener, single, age 29; 11 1/2 years' experience in the different branches of gardening; desires position of responsibility in private garden. Can be released from present place at convenience. Address A S A, care American Florist, Chicago.

WANTED TO RENT—5,000 to 10,000 feet of glass—Indiana or Chicago preferred. Address B W, care American Florist.

WANTED—Address of Loula Truxler, a practical and ornamental florist. THOS B. BULL, Bakerfield, Cal.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B, care American Florist.

WANTED—Reliable, competent man. Fine roses, 'mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Good all-around florist and gardener; single. Must have good references. Steady place to right man. MRS. S. MAVERICK, 309 Tenth St., San Antonio, Texas.

WANTED—Capable unmarried gardener, private place, suburb of Chicago, should understand orchids somewhat. Reference. Address SUBUREAN, care American Florist.

WANTED—For Wisconsin, all-around man for general greenhouse work. Reliable and industrious. A good place for the right man. References. Address M G, care American Florist.

WANTED—A reliable florist, one capable of taking care of 1500 feet of glass, to grow general stock of cut flowers and plants for retail store trade. Must be honest, sober, reliable and a good worker. FRED J. KING, Ottawa, Ill.

WANTED—Young man with some experience to work in greenhouses, roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address R, care American Florist.

WANTED—A good sober, steady man to work in a small plant. Must be willing to do any work connected with the business. State wages. A steady place to good man. Address W H W, care American Florist.

WANTED—Practical man for greenhouse work, one who thoroughly understands the culture of roses and carnations, also propagation. Good wages paid to the right man. Write with references. MARTIN & FORBES, Portland, Oregon.

FOR SALE—40 feet 4-inch pipe in first-class condition, at 10c per ft. W. L. SMITH, Aurora, Ill.

WANTED—NIGHT FIREMAN on steam boilers. Must have experience and understand to keep right temperature in houses; no drinker wanted. Ad. FIREMAN, care Eastern Office Am. Florist, 67 Bromfield St., Boston, Mass.

FOR SALE.

Greenhouse plant of 6 house in Jersey City well stocked and in full operation. Address JOHN MORRELL, 92 Danforth Ave., Jersey City, N. J.

WANTED--FLORIST.

To grow roses, carnations, violets, 'mums and general greenhouse stock. German; single man. Send reference of last employer. Steady work for the right man. Address

MRS. P. F. WIGGINS, 1319 N. Michigan Ave. SAGINAW CITY, MICH.

WANTED!

Young man for general greenhouse work. Apply stating salary wanted, with or without board. Furnished room provided.

JAS. MORTON, Clarksville, Tenn.

WANTED--To Rent.

On easy terms, small greenhouse plant, in good condition, 5,000 to 10,000 feet of glass, including dwelling, some land, in town of not less than 18,000, a place where an experienced, hard-working man could make a fair living. Best references.

S, care American Florist.

Wanted TO SELL CONTROLLING INTEREST

In Florist Establishm't doing largest business in city of 60,000 inhabitants in the arid west. Party answering must have knowledge of business and at least \$3000 cash. For further particulars address B W D, care American Florist.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

Wholesale Store, Minneapolis, Minn.,
 Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.
 124 Sixth Street, N. **BRANT & NOE.**
 Minneapolis, Minn.

Carnation Blooms
 SHIPPED DIRECT FROM GREENHOUSE TO ALL POINTS.
Chicago Carnation Co., JOLIET, ILL.

Wholesale Flower Markets

CINCINNATI, Oct. 25.

Roses, Beauty	10.00@25.00
" Bride	3.00@ 4.00
" Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1.50
Chrysanthemums	12.50@15.00
Cosmos	.50
Cattleyas	50.00
Violets	50.00@75.00
Lily of the valley	4.00
Smilax	8.00@10.00
Adiantum	1.00
Common ferns	.15
Asparagus	50.00

ST. LOUIS, Oct. 25.

Roses, Bride, Bridemaid	2.00@ 4.00
" Beauty, 12 to 20 inch stems	6.00@10.00
" long	12.50@20.00
" Perle	2.00@ 4.00
" Meteor	2.00@ 5.00
" Kaiserin	3.00@ 5.00
Carnations, common	.75@ 1.00
choice	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	.60@ 1.00
Tuberose	3.00@ 4.00
Galax	per 1000 1.00 .15
Cosmos	.25@ .50
Chrysanthemums	8.00@15.00
Violets	.25@ .35

MILWAUKEE, Oct. 25.

Roses, Beauty, long, per doz.	2.00@ 3.00
" med	1.00@ 1.50
" short	.50@ .75
" Bride, Bridemaid	2.00@ 3.00
" Meteor	2.00@ 3.00
" Golden Gate	4.00@ 6.00
" Perle	2.00@ 4.00
Carnations, ordinary	1.00@ 1.50
fancy	2.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Mums, fancy, per doz	2.00@ 2.50
ordinary	1.00@ 1.50
Violets	.75@ 1.00

PITTSBURG, Oct. 25.

Roses, Beauty, fancy	20.00@25.00
" extra	10.00@15.00
" No. 1	5.00@ 8.00
" culls	2.00@ 4.00
" Bride, Bridemaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Cushion	2.00@ 4.00
" Liberty	2.00@ 4.00
Carnations, ordinary	.50@ .75
fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00
" Sprengerii	.25@ .35
Dagger ferns	per 1000, 2.00
Chrysanthemums, fancy	12.00@15.00
ordinary	4.00@ 8.00

DENVER, Oct. 24.

Roses, Beauty, select	12.50@25.00
" ordinary	3.00@ 7.00
" Bride, Bridemaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle, Wootton	3.00@ 4.00
Carnations, ordinary	1.00@ 1.50
fancy	2.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	.75
" double	.50@ .75
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Werns, per 1000	2.75

J. B. DEAMUD,
 51 WABASH AVE., CHICAGO.
 We are now receiving some very fine Roses and Carnations and shall be pleased to have your orders. Am. Beauties are first-class.

AM. BEAUTIES, ex. long	Per doz. \$3.00	VIOLETS, double	Per 100 \$1.00
" 24-inch	2.50	" single	.75
" 18 "	2.00	ADIANTUM	.50 to .75
" 12 "	1.50	ASPARGUS	50.00
" short	.50 to 1.00	FANCY FERNS	\$1.50 per M.
BRIDES, MAIDS	Per 100 \$2.00 to \$4.00	IVY LEAVES	.50
METEORS, KAISERINS	3.00 to 5.00	CALDWELL'S	No. 1 contains 15 lbs., \$2.50
PERLES	2.00 to 3.00	No. 2 "	20 " 3.25
CARNATIONS	1.00 to 1.50	No. 3 "	25 " 3.75
CHRYSANTHEMUMS	10.00 to 25.00	No. 4 "	35 " 4.50
VALLEY	4.00 to 5.00	No. 5 "	40 " 5.50
SMILAX	12.50	No. 6 "	50 " 6.50

Prices subject to change without notice. P. AND D. AT COST.

CATTLEYS, \$6.00 per dozen.

BENTHEY & CO.
 F. F. BENTHEY, Manager,
Wholesale and Commission... FLORISTS,
 CONSIGNMENTS SOLICITED. 41 Randolph St., CHICAGO.

Am. Beauties, long	per doz. \$2.00 to \$3.00	CARNATIONS, fancy	per 100, \$1.50 to \$2.00
" medium	1.00 to 1.50	good quality	1.00
" short	.75 to 1.00	VIOLETS, good single	1.00
Brides and Maids	per 100, 3.00 to 4.00	ORCHIDS, Cattleyas	per doz. 6.00
Perles	.75 to 1.00	VALLEY	per 100, 4.00 to 5.00
Kaiserin	4.00 to 6.00	SMILAX	12.00 to 15.00
Meteors	3.00 to 5.00	ASPARGUS	per string, .50 to .75
MUMS, select	\$18 to \$25 per 100	ADIANTUM	per 100, .75 to 1.00
good stock	10 to 15 per 100	WOOD FERNS	per 1000, 1.50

HOLTON & HUNKEL CO.,
 -- Wholesale Cut Flowers --
 457 Milwaukee Street. MILWAUKEE, WIS.

CUT FLOWERS.
 Shipping orders receive prompt and careful attention.
 C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.
 504 ALL FLOWERS PITTSBURG, PA.
 Liberty Street, IN SEASON.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.
 FANCY FERN, DAGGER FERN, Etc., at market prices.
 HARRY A. BUNYARD, 42 WEST 28TH STREET, NEW YORK.

CHOICE Green and Bronze GALAX, New Crop.
 Price 60c per Thousand.
 Postage Prepaid. Small Orders a Specialty.
 Address H. H. HILL, Victoria, Macon Co., N. C.
 Please mention the American Florist when writing.

Stop Walking the Floor. You won't be disappointed if you place your orders for
SOUTHERN WILD SMILAX
 With CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace."
 N. B. We also sell some Holly.

Chrysanthemums, American Beauties.

Any buyer who will try our Beauties will concede on sight that they are quite the best and most even lot coming to this market. We have enough for all at present.

Our growers gave us the first Chrysanthemums of the season and now they are giving us the best blooms in the market. They will keep this up to the end of the season and we can supply every requirement.

When ordering these specialties do not forget that we have Tea Roses, Carnations and Violets of best quality and everything else obtainable in this market.

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED
WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street,

CHICAGO, ILL.

PRICE LIST.

BEAUTIES		
Extra long stem.....	per dozen,	\$3 00
Stems, 30 inches.....	"	2.50
" 24 ".....	"	2.00
" 20 ".....	"	1.50
" 15 ".....	"	1.25
" 12 ".....	"	1.00
" 8 ".....	"	.75
Brides and Maids.....	per 100,	\$3.00—5.00
Meteors and Kaiserin.....	"	3 00—5.00
Perles.....	"	3.00—4.00
Roses, good seconds.....	"	2.00
Mums, select.....	per doz.,	2 00—3.00
" medium.....	per 100,	3.00—12.00
Alyssum.....	"	.25
Valley.....	"	4.00
Violets.....	"	.50—1.00
Carnations, standard sorts.....	per 100,	1.00—1.50
Fancy sorts.....	"	2.00—3.00
Asparagus.....	per string,	.50
Galax, green, per 1000, \$1.00; per 100,		.15
Ferns, per 1000, \$1.50.....		.20
Leucothoe sprays.....	"	.75
Ivy Leaves.....	"	.50
Adiantum.....	"	.75
Smilax.....	per dozen,	1.50
Wild Smilax, parlor brand.....	per case,	3.25
" medium.....	"	4.25
" large.....	"	6 50

WEILAND-AND-RISCH

GROWERS and SHIPPERS,

59 WABASH AVE. CHICAGO.

American Beauty,	Per dozen.
36-in. stems.....	\$3.00
30 ".....	2.50
24 ".....	2.00
20 ".....	1.50
15 ".....	1.25
12 ".....	1.00
short stems.....	.75

Carnations.....	per 100, \$1 to 1.25
Fancy.....	\$1.50 to 2.00
Violets.....	per 100, 75c to 1.00
Valley.....	per 100, 4.00
Cattleyas.....	per doz., 6.00

Wild Smilax, Parlor brand, per case, \$3.25; medium, \$4.25; large, \$5.50

WE GROW ALL OUR OWN FLOWERS
AND GUARANTEE THEIR FRESHNESS.

ROSES Per 100

Liberty.....	\$3.00 to \$5.00
Golden Gate.....	4.00 to 6.00
Brides, Maids.....	3.00 to 5.00
Meteors.....	3.00 to 5.00
Kaiserin.....	4.00 to 6.00
Perles.....	3.00 to 4.00
Seconds.....	2.00
Ferns, per 1000, \$1.50.....	.20
Asparagus.....	per string, .50
Smilax.....	per doz., \$1.25 to 1.50
Chrysanthemums.....	1.50 to 3.00
Adiantum.....	per 100, .75

WE SOLICIT A TRIAL
ORDER...

ALL TELEGRAPH ORDERS
GIVEN CAREFUL &
IMMEDIATE ATTENTION

WHOLESALE FLORISTS

J. A. BUDLONG

WHOLESALE GROWER OF

Cut Flowers

ROSES AND CARNATIONS
A SPECIALTY.

37-39 Randolph St., CHICAGO, ILL.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention
paid to shipping orders.

76 and 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Flower Markets

CHICAGO, Oct. 26.

Roses, Beauty, extra long stems	3.00@ 4.00
" " 30 inch	2.50
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.25
" " 12 " "	1.00
" " 8 " "	.75
" Bride, Bridesmaid.....	3.00@ 5.00
" Perle.....	2.00@ 4.00
" Meteor.....	3.00@ 5.00
" La France.....	2.00@ 4.00
" Golden Gate.....	6.00@ 8.00
" Liberty.....	4.00@ 6.00
" Kaiserin.....	4.00@ 6.00
Carnations.....	1.00@ 1.25
" fancy.....	1.50@ 2.00
Chrysanthemums, per doz.	1.0@ 3.00
Lily of the valley.....	4.00
Adiantum.....	.75
Common ferns.....	per 1,000 1.50
Smilax.....	per dozen 1.50
Asparagus.....	per dozen 5.00@ 6.00



64 WABASH AVE. CHICAGO
B. E. Cor. Wabash Ave. and Randolph St.

IT IS GOOD BUSINESS POLICY TO MENTION THE
AMERICAN FLORIST WHEN YOU WRITE TO AN
ADVERTISER.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties.

We will take care of your orders at
reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

It is good business policy
to mention the

...American Florist

when you write to an advertiser.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street,PHILADELPHIA, PA.
 AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

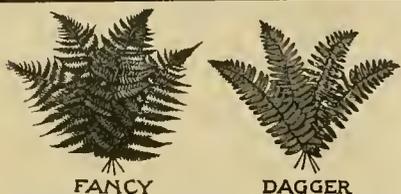
CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2 per 100. Script Letters, \$4 per 100.

Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES. Acknowledged by all florists the best in use. Special prices for doz. lots.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.



HARDY CUT FERNS

In 1000 lots, 75c per M. Discount on larger orders.

Also dealer in Sphagnum Moss, Bouquet Green, Christmas Tree, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

Galax Leaves at Wholesale

ORDERS FILLED PROMPTLY. CORRESPONDENCE SOLICITED.

....J. G. LOVEN....

Montezuma, N. C.

Southern Wild Smilax.

New crop now ready for shipment. Write for my descriptive circular and price list. I guarantee that all goods shipped by me will be of best quality, hand picked, and of standard weight. I solicit your standing orders for the above goods. Reduced express rates to all points. Address all orders to, by wire via Georgiana,

J. G. BARROW, RED LEVEL, ALA.

H. G. BERNING Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORISTS' SUPPLIES. FLORISTS' VASES. Horticultural Auctioneers. 84 HAWLEY STREET, BOSTON.

Geo. A. Sutherland, Boston Flowers.

WHOLESALE DEPOT FOR

All Florists' Supplies,

67 BROMFIELD ST., BOSTON, MASS.

Price lists mailed.

Wholesale Flower Markets

PHILADELPHIA, Oct. 24.

Roses, Tea.....	2.00@ 3.00
" " extra.....	4.00@ 6.00
" Beauty, extra.....	20.00@30.00
" " firsts.....	10.00@15.00
Carnations.....	1.00@ 1.50
" " fancy.....	2.00
Lily of the valley.....	3.00@ 4.00
Chrysanthemums.....	15.00@25.00
Violets, single.....	.25@ .50
" " double.....	.50@ 1.00
Asparagus.....	25.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00

BOSTON, Oct. 24.

Roses, Beauty, extra.....	15.00@25.00
" " medium.....	6.00@12.00
" " culls.....	2.00@ 5.00
" " Bride, Bridesmaid, Meteor.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" " Kaiserin, Carool.....	4.00@ 8.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	1.00@ 4.00
Chrysanthemums.....	4.00@20.00
Violets.....	.50@ .75
Cattleyas.....	20.00@30.00
Adiantum.....	.50@ 1.00
Smilax.....	8.00@12.00
Asparagus.....	50.00
Hardy ferns.....	.20

BUFFALO, Oct. 25.

Roses, Beauty.....	10.00@25.00
" " Bride, Bridesmaid, Meteor.....	3.00@ 7.00
" " Kaiserin.....	6.00@ 7.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy ferns, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y. Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,

NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.

Special Attention Given to Shipping Orders.

I Have Room for a Few More Regular Consignors of Good Roses. ❀ ❀

A. H. LANGJAHR, 19 Boerum Place, BROOKLYN, N. Y.

OVER 150 FLOWER STORES IN BROOKLYN.

MONEY SURE.

TEN YEARS ESTABLISHED.

**TOP GRADE
Carnations**

Lily of the Valley.

BEAUTIES,
BRIDESMAIDS,
METEORS.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.
TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

WILLIAM GHORMLEY,
Wholesale Commission Florist,
Telephone 2200 Madison Square.
57 W. 28th. St., NEW YORK CITY.
...LIBERTY, BEAUTY AND OTHER CHOICE STOCK...
—BEST IN THE COUNTRY.—

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It
will be to your advantage.
WM. H. GUNTHER,
... 30 West 29th Street.
ew Telephone No. 551 Madison Square.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cut Flower Exchange.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....
DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.
MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.
Choiceest Stock Shipped on a Commission.

Rose, Violet and Carnation Growers,
Consign to
M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Oct. 24.

Roses, Beauty, select.....	15.00@25.00
" " medium.....	6.00@10.00
" " culls.....	2.00@ 4.00
" Bridesmaid, Bride, Meteor.....	.50@ 2.00
" " select.....	3.00@ 6.00
Carnations.....	.50@ 2.00
Lily of the valley.....	1.00@ 3.00
Cattleyas.....	15.00@30.00
Chrysanthemums.....	2.00@ 6.00
" " fancy blooms.....	12.00@35.00
Smilax.....	8.00@10.00
Asparagus.....	25.00@35.00
" Sprengerii, per doz. bun.....	.75@ 1.00
Adiantum.....	.50@ .75
Violets.....	.35@ .75
Gardenias.....	10.00@12.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

A BUSINESS PROPOSITION.
GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.
ALEX. J. GUTTMAN,
Wholesale Commission Florist,
52 W. 29th Street. NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
... Wholesale ...
Commission Dealer in
Violets
50 W. 29th St., NEW YORK.
Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.
... Wholesale Florists
111 West 30th Street, NEW YORK.
READY FOR VIOLETS. Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECTH,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street.
Telephone 1438 Madison Square. NEW YORK.
Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates
M. A. HART,
44 W. 29th St., NEW YORK CITY.

You Can Make Money
By Dealing With
J. K. ALLEN, The Busiest Wholesaler
in New York.
Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.
Telephone 167 Mad. Sq. 106 West 28th Street.

Season Open **EDW. C. HORAN,** Special in
Roses:
47 WEST 28TH ST.,
Tel. 421NEW YORK.
Madison Square,
CUT FLOWERS AT WHOLESALE.
Violets
'Mums
Gardenias
Liberty, Pres. Carnot,
Kaiserin. Meteor,
Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

THE delayed frosts were advantageous to the bean crops.

BUYERS have been looking for gladioli much earlier than usual this year.

EXTRA fine weather and politics are responsible for decrease in counter trade.

It takes about sixteen years, says the *Mail Order Journal*, to establish a paying mail business without capital.

R. & J. FARQUHAR & COMPANY will, on January 1, occupy the entire building at 6 and 7 South Market street, Boston, with store on the street floor.

AMONG the promising novelties for next year are Mont Blanc sweet pea, *Aquilegia chrysantha*, fl. pl., *Arctotis grandis*, *Lathyrus latifolius* Pink Beauty, *Delphinium Blue Butterfly* and *Eschscholtzia Californica caniculata rosea*.

VISITED CHICAGO: Albert McCullough, of J. M. McCullough's Sons, Cincinnati, O.; L. L. May, St. Paul; Mrs. S. Y. Haines, Minneapolis; Arthur Luck, of the Iowa Seed Co., Des Moines, on his wedding trip; Alfred J. Brown and wife, Grand Rapids, Mich.

THE Samuel Wilson Co., seedsmen, Mechanicsville, Bucks county, Pa., were discharged as voluntary bankrupts on October 22. This firm succeeded the late Samuel Wilson, who died several years ago. He carried on a mail seed business of considerable magnitude for many years.

SIDNEY, O.—B. P. Wagner is erecting three greenhouses here, 22x75. Mr. Wagner is identified with the Wagner Manufacturing Company.

SAGINAW, MICH.—The business of William Roethka has been incorporated with \$25,000 capital stock by F. W., Bertha, C. L. and O. T. Roethka and Mrs. E. Grauses, all of Saginaw.

MONTREAL, CAN.—The Montreal Gardeners' and Florists' Club has postponed its chrysanthemum show for one week, to November 12, 13 and 14, because of the lateness of exhibits in general.

FOR
Automatic Machines
FOR
PUTTING UP SEEDS

ADDRESS
THE BROWN BAG-FILLING MACHINE CO.
FITCHBURG, MASS.

"A trial of the machines will convince any reasonable party that it pays to use them."
E. M. LYMAN & SON, Springfield, Mass.

Wanted, Prices on the Following:
2d size Hyacinths: 150 Paix de Europe, 150 Grand Maître, 150 Lord Macaulay, 100 King of the Blues. Tulips: 2000 La Candeur, 1000 La Reine, 100 Yellow Prince, 100 Vermilion Brilliant. 250 Von Sion, dbl. nose; 250 Murillo; 50 Deutzias for 6-in. pots, Bolland grown; 50 Spiraeas, first size, stock to be of A1 quality in their respective sizes.
SMITH & SON, CLEVELAND, O.

SEVERAL very large shipments of **JAPAN LONGIFLORUM** have arrived in very bad condition—more than half of the bulbs having been lost by heating. This large loss will make a scarcity in this article, and probably many dealers will be unable to fill their orders in full. If you do not succeed in getting your full supplies, we have still to offer a fine lot of

BERMUDA-GROWN LONGIFLORUM
These Bulbs are in splendid shape. We can supply them at \$14 PER CASE; 350 Bulbs to the case. We also have a fine stock of

LILIUM HARRISII
7-9 inch size is generally scarce, but we have a very fine stock of this size still on hand—a lot of bulbs that were left in the ground and dug late, and in consequence they are in grand shape. Bulbs are plump, bright and clean, and as fine a lot of *Harrisii* as anyone would want to handle. We can supply these, as long as unsold, as follows:
5-7's, 400 bulbs to the case, only \$16 per case. 7-9's, 300 bulbs to the case, only \$18 per case.
Order at once before we are sold out.

We also offer a very fine stock of

WHITE ROMAN HYACINTHS
Extra quality bulbs, 12-15 ctm., in case lots, 2100 bulbs to the case, \$16.00 per 1000.

Paper White Narcissus Grandiflora
Case lots, about 1300 bulbs to the case, \$7.50 per 1000.
5% discount from above-named prices when cash is remitted with order.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

...SPECIAL BULB OFFER...

FRENCH WHITE ROMAN HYACINTHS—12-15 cent. at \$1.75 per 100; \$16.00 per 1000.
DOUBLE VON SION NARCISSUS—Large Double Nosed Bulbs at \$1.75 per 100; \$16.50 per 1000.
PAPER WHITE GRAND. NARCISSUS—75 cts. per 100; \$6.75 per 1000.
FREESIA REFRACTA ALBA—50 cts. per 100; \$4.00 per 1000.
CHINESE SACRED LILIES—Per basket (30 bulbs), \$1.50; per mat (120 bulbs), \$5.50.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market Street, PHILADELPHIA, PA.

BULBS! BULBS! BULBS! White Romans, 12-15, at \$1.60 per 100. Double Nosed Von Sion (large) \$2.00 per 100. Paper Whites, large size, @ \$1.00 per 100. *Harrisii*, 5-7, at \$5.00 per 100; 7-9 at \$10.00. *Lilium Longiflorum*, large flowering, 7-9, at \$7.00 per 100. Special prices on Dutch Hyacinths and Tulips.

THE VAIL SEED CO., Indianapolis, Ind.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

We have a surplus of **WHITE CALLA BULBS**

of about 1-in. diameter, all bloomers, \$4.00 per 100. A bargain. Sample free.

VAUGHAN'S SEED STORE,
84 Randolph St., ...CHICAGO.

GRASS SEEDS.
Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. **CLOVERS**—Red, Sahling, Alfalfa, Crimson, White, Alsike, Japan, etc. **WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN"** Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato
Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO.,
The Largest and Best Collection of Seeds in Ky.,
LOUISVILLE, KY.

WHERE are you going to buy your Holly? Our stock is ready for shipment. Sample 10 pound box, \$1. Send for it. It's strictly fine. Caldwell The Woodsman Co., Evergreen, Ala. P. S. We also sell some Wild Smilax.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY

LILIUM LONGIFLORUM Japan,	100	1000
5 to 7-inches	\$2.00	\$18.00
6 to 8 "	3.00	27.00
7 to 9 "	4.50	40.00
9 to 10 "		90.00
LILIUM HARRISII, 7 to 9-inch...	8.00	75.00

Dutch Hyacinths, Narcissus, Tulips, &c.

J. M. THORBURN & CO.
(Lots of 15 John Street)
36 CORTLANDT STREET, NEW YORK

PALM SEED, KENTIA BELMOREANA.

Fresh importation, just arrived in prime condition; 1000 at \$4.00 per 1000; 5000 at \$3.75 per 1000; 10,000 at \$3.50 per 1000.

JACKSON & PERKINS CO., Newark, New York.

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

WRITE FOR OUR PRICES ON WIRE WORK.
YOU CAN'T DUPLICATE THEM ANYWHERE.

42 and 44 E. Randolph St.,
CHICAGO.

Chrysanthemums. Fancy, \$2.50 to \$4 per dozen.
Medium, 1.25 to 2 per dozen.
Common, .50 to 1 per dozen.

Am. Beauty, \$8 to \$25 per 100.

Cut Flower Price List **Violets.** 60c to \$1 per 100.

	Per 100	
Beauties, long.....	\$20.00 to \$25.00	
“ medium.....	10 00 to 15 00	
“ short.....	6.00 to 8 00	
Brides, Maids.....	2.00 to 4.00	
Perles and Meteors.....	2.00 to 4.00	
Carnations.....	1.00 to 1 50	
Violets.....	.60 to 1.00	
Valley.....	4 00	
Adiantum.....	.50 to .75	
Common Ferns.....	per 1000, 2 00	
Smilax.....	per doz, \$1.25 to 1 75	
Asparagus.....	6 00	
Leucothoe Sprays.....	.75 1.00	
Galax, Green.....	\$1.00 per 1000	

Valley, \$4 per 100.

Roses, \$2 to \$4 per 100.

Carnations, \$1 to \$2 per 100.

PLENTY OF CHEAP STOCK IF WANTED; NAME YOUR PRICE.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock
in the world.

**SANDER ST. ALBANS, ENGLAND and
BRUGES, BELGIUM.**

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Jardinere Ferns,

ELEGANT STOCK.

\$3.00 a Hundred - - \$25 00 a Thousand

Roses for the South,

Varieties most adapted for southern planting. Just
the thing you want. Stock A1. Write for prices.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

Orchids!



We have always on hand a very large and fine
stock of established and unestablished
Orchids. A number of varieties now in
sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

Ferns in Variety

Per 100

2 1/4-inch pots.....	\$3.00
Cryptomeria Japonica Japan Cedar, 2 1/4-in....	5.00
Cyperus Alternifolius, Umbrella Plant, 2-inch.	2.00
“ “ “ “ 3-inch.	3.00
“ “ “ “ 4-inch.	5.00
Grevillea Robusta, Silk Oak, 4-inch.....	7.00

LOW EXPRESS RATES.

J. S. BLOOM, RIEGELSVILLE, PA.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz.
GERANIUMS, S. A. Nutt and others, 3-in., \$4 per 100.
NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-
in., \$20.00 per 100.
ASPARAGUS PLUMOSUS, 2 1/2-in., \$5 per 100, \$40
per 1000. ASPARAGUS SPRENGERII, 2 1/4-inch,
\$4.00 per 100; \$30.00 per 1000.
SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. Carl Hagenburger, W. Mentor Ohio.



JAPAN
LILIUM
LONGIFLORUM

LILIES

Always

SELL WELL AT GOOD
PRICES FOR EASTER
AND
DECORATION DAY.

PLANT NOW.

===Japan===

Lilium Longiflorum.

WE HAVE A LARGE STOCK OF UNUSUALLY

FINE BULBS

IN THE FOLLOWING SIZES:

6 to 8-inch; 7 to 9-inch; 9 to 10-inch.

Tell us how many you can use and
we will quote low prices.

Surplus Bulbs, Tulips, Narcissus,
etc., at a bargain. List mailed
on application.

VAUGHAN'S SEED STORE,

CHICAGO:
84-86 Randolph St.

NEW YORK:
14 Barclay St.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE Crothers peach, a late freestone variety, has given very good results this year.

MANY nurserymen say that fall shipments were never so heavy as they are this season.

THE Jewell Nursery Co., Lake City, Minn., has begun fall deliveries which are reported to be the heaviest in their history.

JOHN B. HARRIS, of Champaign, Ill., has sold his twenty-acre nursery tract to E. S. Swigart, who will divide it into building lots.

JONATHAN apples, grown in the northwest and shipped in boxes to the eastern markets, are selling at an excellent price where the growers have been careful to pack none but perfect fruits.

AN excellent prospect for fall trade is what Thos. Meehan & Sons, the nurserymen of Germantown, Pa., report. The rapidly increasing business of this firm has made necessary a handsome two-story addition to their offices.

About Tree Seeds.

During the last twelve years the U. S. Department of Agriculture has received from farmers and other landowners a very large number of letters asking how to procure tree seeds and how to raise seedlings.

For the purpose of supplying the desired information to farmers and all others interested in tree planting, the Department has prepared, and has now in press, Bulletin No. 29, Division of Forestry, entitled "The Forest Nursery: Collection of Tree Seeds and Propagation of Seedlings." The bulletin was prepared by Geo. B. Sudworth, Dendrologist of the Division of Forestry, and in endeavoring to give this information one point has been kept prominently in view, to lead the propagator to produce plant material which will succeed best under inexperienced management. The number of plants to be grown on the allotted space of seed bed and nursery has, therefore, been sacrificed to what is believed to be a more important consideration, the production of vigorous plants.

The treatment of the various subjects considered is based upon a long experience in collecting and storing large quantities of tree seeds and their propagation, upon a careful study of the practices of professional nurserymen, and on an extensive study of tree seedlings in the wild state.

The farmer or other landowner who contemplates planting forest trees must provide his stock either by raising it or buying it. To the average farmer the cost of this material, however small, is likely to be an important consideration, and it is always desirable, and often indispensable, to reduce the cost of forest planting as much as possible; therefore the farmer should collect seeds and raise seedlings himself.

The bulletin gives the regions of seed supply, a list of market prices for tree seeds, names the seeds desirable to collect, when and how to collect them, the manner of storing and the means used for testing their vitality.

The propagation of tree seeds is similar

to that of garden seeds and there is practically no difference in the care and soil necessary for the best results from either class of seeds. Given a moderately rich, gravelly, or sandy, porous, moist soil, within the proper range of temperature, any tree can be propagated from the seed and made to live for a longer or shorter time.

Natural seeding is too often uncertain, because the necessary conditions for germination are perfect only by chance, and where the farmer's purpose is to produce useful timber without loss of time natural seeding is not to be depended on. Direct planting of sufficiently advanced nursery stock has the advantage over natural seeding of establishing more quickly and with greater certainty only such timber trees as are wanted.

The bulletin shows that planting tree seed with cultivated crops, or sowing broadcast on prepared and unprepared land is uncertain, giving less uniform results than planting nursery-grown seedlings; that seed bed culture requires the least labor and produces the most and best stock; that the seed bed should be located on a well-drained site, and that a deep, sandy loam soil is preferable.

Propagating trees from cuttings, wintering and transplanting seedlings, care of nursery stock and use of wild seedlings are other matters which receive attention.

The bulletin will contain a list of useful timber trees to plant, and will be illustrated with five plates and eleven text figures.

Milwaukee.

The Reitz Floral Company has just completed a very convenient and attractive conservatory adjoining the Vliet street store. It is 20x50, of a good height and heated by hot water.

Adam Zender, of Chicago, has visited his friends and business interests here. He reports Liberty rose in his locality to be suffering from black spot. C. B. W.

THERE'S MONEY

To be Made at

CLEARY'S

60 Vesey Street, NEW YORK.

The Growers' Clearing House and
The Dealers' Golden Opportunity.

PLANT AUCTIONS

EVERY THURSDAY and FRIDAY, 11 A. M.

Bronze Galax Leaves

\$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.

AMERICAN ROSE CO., Washington, D. C.

FOR THANKSGIVING DAY

A rate of one fare and a third for the round trip has been authorized to points within 150 miles, on the Nickel Plate Road, Chicago Passenger Station, Van Buren St. and Pacific Ave., on the Loop. City Ticket Office 111 Adams St. 38

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns;

Otaksa, Red Branched, Thos. Hogg,

PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, MR. J. AUSTIN SHAW, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

Hedge Plants

Evergreen } HEMLOCK SPRUCE
NORWAY SPRUCE
AMERICAN ARBORVITAE

Deciduous } CALIFORNIA PRIVET
OSAGE ORANGE
BERBERIS THUNBERGII
ALTHEAS, Etc.

Various Sizes at Popular Prices.

THE WM. H. MOON CO., Morrisville, Pa....

NURSERIES } 30 miles from Philadelphia,
60 miles from New York.

PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

Southern Wild Smilax

\$2.00 per 60 pound Case.

\$1.25 per 30 pound Case.

Discount to wholesale dealers. Cases lined with a fine quality tinuz paper to protect from heat or dirt. Thoroughly packed with Extra Selected stock, and weighs 60 and 30 pounds, but are shipped at 50 and 25 pounds. Express Rates 25 per cent less than merchandise rate.

Telegraphic orders given prompt attention.
Address R. A. LEE, Evergreen, Ala.
TERMS: Cash with order, C. O. D. or check on receipt of goods.

Field-Grown VINCA VAR. VINES

Per 100
First size, from 4 to 6 long vines to plant.... \$4.00
Large size, " 7 to 10 " " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

PANSIES THE JENNINGS STRAIN.

Highest standard plants, finest mixed, 60 cts. per 100 by mail; \$4.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

E. B. JENNINGS, Grower of
The Floeet Pansies,
Lock Box 254. SOUTHPORT, CONN.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL.
(N. Halsted St.)

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Seed for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Grape Vines

Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.

40,000 'MUMS' 40,000

A1 A1

We are now marketing the cuts of some of the largest and best growers for this market. We have 40,000 blooms in sight, A1 in every respect, and the supply will hold on until Christmas or later. We can handle any order; none too small and none too large; give us yours.

Our own big range of glass is devoted exclusively to roses and we can at all times supply the best grades this market affords. Not only are our Beauties as good as the best, but our Brides, Maids and Meteors are a little better than most growers produce. We like to have buyers visit our rose houses at Bowmanville.

We have adequate supplies of the best quality of Carnations, all varieties, standard and novelties. Give us your order.

Every order, of whatever nature, shipped within two hours of receipt and billed at Chicago market rates.

J. A. Budlong,

Wholesale Grower of Cut Flowers,

37-39 Randolph Street, CHICAGO.

PINK

Vivian-Morel
Mrs. Murdock.
Maud Dean
Mrs. Perrin.
Nemesis.

YELLOW

Major Bonnaffon.
Golden Wedding.
Mrs. Whilldin.

WHITE

Fee du Champsaur.
Mrs. Jerome Jones.
W. H. Chadwick.
Merry Christmas.
Mrs. Robinson.
Wanamaker.
Mayflower.
Canning.
Ivory.

CACTUS

AND OTHER

DAHLIAS

FOR CATALOGUE
COLLECTIONS....

WHOLESALE LIST ON APPLICATION.

LOTHROP & HIGGINS,

East Bridgewater, - MASS.

THE NICKEL PLATE ROAD

will sell tickets within distances of 150 miles, November 28th and 29th, at rate of a fare and a third for the round trip, account of Thanksgiving day. Return limit November 30th. This road has three through daily trains to Ft. Wayne, Cleveland, Erie, Buffalo, New York and Boston, carrying vestibuled sleeping cars and affording excellent dining car service, individual club meals being served, ranging in price, from 35 cents to \$1.00. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for reservation of sleeping car accommodations. Chicago Passenger Station Van Buren St. and Pacific Ave., on the elevated Loop. City Ticket Office 111 Adams St. 39.

STRONG FIELD - GROWN ROSES.

Am. Beauty, La France.....\$20.00 per 100
Brides, Maids 10.00 "
Perles 12.00 "

These plants will fill 6 to 8-inch pots; were formerly grown on benches.

Strong field-grown Kaiserins, for 6-inch pots, \$12.00 per 100. CASH WITH ORDER.

A. WALDBART, Hamilton Av. & Horton Pl., St. Louis.

A Tremendous Cut in Prices.

Wonderful Bargains in Hardy Herbaceous Plants. A chance of a lifetime to secure heavy, undivided stock at prices that defy competition. Owing to being considerably

overstocked we make this special offer for a short time only. Plants are well-grown, large, true to name, and shipped just as they come from the ground without dividing.

- Achillea Filipendulina 3 1/2 in. pots Delphinium Azureana, rich blue; Helianthus Soleil d'Or, 3 1/2 in. pots
- " The Pearl, 3 1/2 in. pots field-grown Heliosis Pitcherianus, field-gr.
- Agrostemma Coronaris, 3 1/2 in. pts. Delphinium Sinensis Album, white; Iberis Gibraltarica, field-grown
- Anemone Japonica Rubra, 3 1/2 " field-grown " Sempervirens, field-grown
- Alyssum Saxatile Compacta, field-grown Elatum Hybridum, Primula Varis Elatior, 3 1/2 in. pots
- " " field-grown " Japonica, 3 1/2 in. pots
- Artemisia, Wormwood, field-gr. Dicentra Spectabilis, field-grown Myosotis Palustris, 3 1/2 in. pots
- Asiilbe Japonica, 5 1/2 in. pots Dianthus Barbatus, field-grown Phlox Decussata, 12 fine sorts,
- Arabis Alpina, 3 1/2 in. pots Digitalis Monstrosa, field-grown 3 1/2 in. pots
- Aster Alpinus, 3 1/2 in. pots Eulalia Japonica, 3 1/2 in. pots Phlox Subulata Rosea, 3 1/2 in. pots
- " Nova Anglia, 3 1/2 in. pots " variegated, 3 1/2 in. " Subulata Alba, 3 1/2 in. pots
- " Grandiflora, 3 1/2 in. pots " Zebrina, 3 1/2 in. pots Platycodon Grandiflorum, blue;
- " Pyramidalis Hybrid, 3 1/2 in. " Gracillima, 3 1/2 in. pots 3 1/2 in. pots
- " Ptarmicoides, 3 1/2 in. pots Euphorbia Corollata, 3 1/2 in. pots Platycodon Grandiflorum, white,
- Anthemis Kelwayii, 3 1/2 in. pots Funkia Coerulea, 3 1/2 in. pots 3 1/2 in. pots
- Arundo Donax, variegated, 3 1/2 in. " Sieboldii, var'd, 3 1/2 in. Platycodon Mariesii, mixed; 3 1/2 in pots
- Aquilegia Vulgaris, dbl. mixed; " Subcordata Grandiflora, Pyrethrum Roseum, field-grown
- field-grown field-grown Lavendula Vera, field-grown Pentstemon, assorted; field-grown
- Aquilegia Vulgaris, dbl. white, Lychnis haledonica, field-gr. Matricaria, double white; 3 1/2 in.
- Aquilegia Chrysantha, field-grown " Viscaria Splendens, 3 1/2 in. Japanese Iris, mixed, including
- " Coerulea, field grown Lobelia Cardinalis, 3 1/2 in. pots twelve varieties
- Chrysanthemums, hardy, 4 colors; Linum Perenne, 3 1/2 in. pots (Gaothera Fraserii, 3 1/2 in. pots
- 3 1/2 in. pots Lathyrus, red and white; 3 1/2 in. " Rosea, 3 1/2 in. pots
- Caryopteris Mastacanthus, blue; Gypsophila Paniculata, field-gr. Rudbeckia, Golden Glow, fld. grn.
- 3 1/2 in. pots German Iris, assorted; 3 1/2 in. pots " Newmanii 3 1/2 in.
- Coreopsis Lanceolata, 3 1/2 in. pots Gaillardia Grandiflora, 3 1/2 in. pots Scabiosa Caucasia, field-grown
- Clematis Davidiana, 3 1/2 in. pots Geum Atrosanguineum, field-grown Salvia Pratensis, field-grown
- Campanula Pyramidalis, blue; Hemerocallis Flava, str. field-gr. Statice Armeria, 3 1/2 in. pots
- field-grown " Sieboldii, field-gr. " Latifolia, field-grown
- Campanula Pyramidalis, white; Hardy Pinks, five splendid vars., Valeriana, mixed; field-grown
- field-grown 3 1/2 in. pots Tritoma Grandiflora, 3 1/2 in. pots
- Chrysanthemum Uliginosum, fld-grown Hibiscus, Crimson Eye, 3 1/2 in. Monarda Didyma, field-grown
- growing Helianthus Multiflorus Plenus, Iris, Siberian, field-grown
- Delphinium Formosum, blue; fld-grown 3 1/2 in. pots

—\$3 00 PER 100.—

Prices are for Cash with Order.

EDWARD B. JACKSON, STAMFORD, CONN.

Carnation Plants.

Fine field-grown plants: Flora Hill, Scott, Lizzie McGowan, Evanston, Albertini, Firefly, \$3.50 per 100.

PLUMOSUS, fine 3-in. stock, \$5.00 per 100. CASH WITH ALL ORDERS, PLEASE.

VAN WERT GREENHOUSES, Van Wert O.

Please mention The American Florist when writing

Xmas Specialties.

Baby Primrose, 2 1/4 in-chen, \$2.00 per 100; 3 1/2 in-chen, \$4.00 per 100.
Browallia Gigantea, 2 1/4 in., \$3 per 100; rooted cuttings, \$1.50 per 100
Plants are A1, and your money back if not satisfactory.
CASH, PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention The American Florist when writing.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Chicago.

The Florists' Bowling Club re-elected P. J. Hauswirth president at the last meeting. J. S. Wilson is vice-president, George Asmus, secretary and treasurer, and E. F. Winterson, captain. Following the election some straggling games were rolled, Hauswirth making high score, 173.

At Flatbush.

And still the new alleys keep the boys a-guessing. Riley alone seems to have got a line on them and even he is not at all sure as to what is going to happen. Last Thursday the scores were as follows:

Player	1st	2d	3d	4th	Av
Riley	171	141	165	149	157
E. Daillidouze	122	129	157	163	143
A. Zeller	109	170	138	128	136
H. Daillidouze	100	115	142	131	122
Wocker	117	124	137	110	122
P. Daillidouze	98	126	148	113	121
Schmutz	91	104	131	137	116
C. Zeller	95	93	97	93	95

At Philadelphia.

There was a warm contest on the club alleys last Tuesday night, when the florists defeated the strong Century team by twenty-two pins in a three game match. The first game the florists won by nine pins, making 946 to 937 for the Centurys. The second game was even closer, the florists losing by two pins, 920 to 922. All was excitement for the

last game, as each had an almost equal chance of winning. A spurt by the Centurys, even in the last game, would have won, but they were not equal to it, the florists taking the game and the match. The score follows:

Florists	1st	2d	3d	TI
Moss	148	167	178	493
Counor	161	121	135	420
Allen	159	173	153	485
Westcott	144	160	141	445
Johnson	155	136	164	455
Moore	179	160	151	490
Totals	946	920	922	2788
Century	937	922	907	2766

At Utica.

The following is the score made October 15:

Player	1st	2d	3d	Av
F. Mathews	128	139	160	142
Wilcox	137	121	142	133
Pfeiffer	103	128	140	124
Hildebrand	96	133	120	116
Baker	101	130	103	111
Hill	109	94	118	107
Crowe	128	102	84	105
Spencer	85	101	124	103
Wm. Mathews	76	92	110	93

Robert Bard, of Syracuse, came down to see how the boys were doing on the alleys and in honor of his presence October 22 the alleys were very nicely decorated with Peter Crowe's fern, named after Mr. Bard, and we had on hand a few of Bard's patent nozzles to remind him that we had not forgotten our friend "Bobbie." The evening passed very pleasantly; following is the score:

Player	1st	2d	3d	Av
Baker	130	141	147	139
Rowlands	162	145	107	138
Seoener	144	145	110	133
Kaufert	128	134	129	130
Wilcox	117	133	116	122
Day	112	120	147	126
Bard	98	133	116	116
Wm. Mathews	90	126	114	110
Steff	90	120	103	107
Hildebrand	87	83	125	100
Crowe	79	93	124	99
Tomey	87	104	95	95
McLean	74	83	81	79

QUIS.

Field-Grown CARNATIONS

GEN. GOMEZ, MRS. BRADT and GLACIER, strong stock, \$6.00 per 100. PINGREE and ARGYLE, \$4.00 per 100.

ASPARAGUS SPRENGERII Strong stock.	2-inch	\$3.00 per 100
	3-inch	4.00 per 100
	3 1/2-inch	6.00 per 100
	4-inch	10.00 per 100

F. DORNER & SONS CO., LA FAYETTE, IND.

CARNATION PLANTS.

WHITE CLOUD	\$4.00 per 100
MRS. BRADT	5.00 "
FLORA HILL and EVANSTON	4.00 "
GOLD NUGGET	4.00 "
SCOTT, PORTIA and VICTOR	3.00 "

ROSE PLANTS.

METEORS, 3-inch pots, \$1.50 per 100. BRIDE and BRIDESMAID, 3-in. pots 2.00. Special price to close out. Strictly first-class and in fine shape.

A. G. PRINCE & CO. 76 & 78 Wabash Av., Chicago

CARNATION PLANTS

ALL SOLD.

Ready to book your orders for Rooted Cuttings of all the leading varieties, for spring delivery. Let me quote you prices before placing your orders.

Wm. Murphy, Wholesale Carnation Grower, Sta. F. CINCINNATI, OHIO.

Mayor Pingree Carnations

I have 1000 strong healthy plants of this fine yellow variety. Will close them out at \$3.00 per 100, or \$25.00 for the 1000.

W. W. COLES, KOKOMO, IND.

CRYPTIOMERIA JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00. ASPARAGUS SPRENGERII, 2-inch, \$2.50 per 100.

SATISFACTION GUARANTEED.

E. I. RAWLINGS, Quakertown, Pa.

McKellar & Winterson

WHOLESALE DEALERS IN

=== EVERYTHING FOR FLORISTS ===

"We originate."
"Others imitate."
IMITATION is the most sincere flattery.

Florists' Auctioneers.

CUT FLOWERS AND PLANTS.

	Per 100
Beauties, long	\$20.00 to \$25.00
" medium	10.00 to 15.00
" short	6.00 to 8.00
Brides, Maids	3.00 to 4.00
Perles and Meteors	3.00 to 4.00
Carnations	1.00 to 1.50
Valley	4.00
Lilies	12.00 to 15.00
Adiantum	.75
Mums, select	per doz, 2.50 to 3.00
" ordinary	" 1.00 to 1.50
Cattleyas, select	" 5.00 to 6.00
Common Ferns	per 1000, 1.50
Smilax	per doz., \$1.25 to 1.50
Asparagus	" 5.00 to 6.00
Ivy	per 100, .50
Leucothoe Sprays	" .75
Galax, Green	per 1000, 1.50

XMAS GOODS--ALL KINDS.

We are hooking orders on all the following goods for December delivery. We guarantee our prices as low as any reputable house:

Select Delaware Holly	per case, \$ 4.50
" "	5 cases, 20.00
Bouquet Green, strictly fresh stock, per case	4.50
" "	5 cases, 20.00
Bouquet Green Wreathing	per 100 yards, 3.00
Holly Wreaths, Green Wreaths, Mistletoe, Wild Smilax, Xmas Trees, Needle Pines, Cape Flowers, Immortelles and all decorative stock at lowest prices.	

Write for our special quotations on ton lots on Bouquet Green, car lots on Holly and Bouquet Green.

Place orders early with us and receive the best stock in the market.

SUPPLIES, ETC., ETC.

Sphagnum, burlap hales, each, \$1; 6 for	\$ 5.00
" wire pressed, " 75c; 6 for	4.00
Tobacco Stems, fresh, 200 lbs. for	1.50
Preserved Cycas Leaves, assorted, 24 inches and up, per 100	15.00
Cape Flowers, white, per lb.	1.00
" colored, "	1.50
Tissue Paper, manilla, per ream	.50
" white, "	1.00
Wax " manilla, "	1.40
" white, "	2.00
Doves, first quality, each, \$1.00; per doz	10.00
" second " .85; " "	9.00
Rubber Aprons, each, \$1.50; per doz	15.00

Full stock of all Supplies, including Ribbons, Tin Foil, Toothpicks, Baskets, Wheat Sheaves, Bouquet Pins, Immortelles, Flower Vases, Jardinieres, Artificial Palms, etc.

SEND FOR COMPLETE CATALOGUE.

Selling Agents for Glass, Building Material, Boilers, Putty, Mastic, Paints, Oil's, Sod Crushers, White Lead, Walker's Fertilizers, Imperial Liquid Fertilizers, Insecticides, Etc.

45,47,49 Wabash Avenue, CHICAGO, ILL.

NOW READY FOR BUSINESS.

Adolph H. Poehlmann,

55 and 57 Wabash Ave.,

CHICAGO.

Long Distance Phone
2128 Central.

60,000 Feet
of Glass in.....ROSES.

Wholesale Grower and
Shipper of Cut Flowers.

OUR SPECIALTIES ARE BEAUTIES, METEORS, BRIDES, MAIDS, GOLDEN GATES AND PERLES.

Greenhouses at Morton Grove. Established 1885.

CONSIGNMENTS OF CARNATIONS, VIOLETS and MISCELLANEOUS STOCK SOLICITED.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—
Finest strain in the world, a splendid stock of plants, in bud, all colors, from 3-inch pots, \$7.00 per 100; \$65.00 per 1000.

BEGONIA REX—I have a most beautiful collection of this justly popular pot plant in the finest market varieties, from 2½ inch pots, strong plants, mixed, \$4.00 per 100; labeled, \$5.00 per 100.

ALL STOCK GUARANTEED A No. 1.
PAUL MADER, East Stroudsburg, Pa.

Acalypha Sanderi.

Strong 2½-inch plants, \$3.00 per 100.

Boston Fern

2½-inch, \$2.50 per 100; 3-inch, \$5.00 per 100.

The CONARD & JONES COMPANY,
West Grove, Pa.

PÆONIES.

We have 100 named double varieties, selected for florists' use; all good for cut flowers.
1 each of 100 varieties.....\$15.00
1 each of 50 varieties..... 6.00
1 each of 25 varieties..... 3.00
Standard Red, Pink and White, per dozen, \$1.20
INDIANAPOLIS FLOWER & PLANT CO.,
Indianapolis, Ind.

Hardy Herbaceous AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.
The Blue Hill Nursery, So. Braintree, Mass.
CORRESPONDENCE SOLICITED.

Smilax Plants. Strong, bushy plants from 2 and 2½-in. pots. Must sell to make room, \$5 a 1000, 75c a 100, cash. Write for sample and price on large lots.
R. KILBOURN, Clinton, N. Y.

Herr's = = Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

Can take no more orders for delivery before November 15th.

Price 75c per 100 free by mail.
\$4 per 1000 by express at your expense.

Write me for prices on CARNATION CUTTINGS. I have fourteen houses of Stock Plants.
AGERATUM "Stella Gurney" ready now either from pots or rooted cuttings, by the 100 or 1000.

ALBERT M. HERR
LANCASTER, PA.

1/2 MILLION 1/2 Flowering Shrubs.

Leading varieties, ranging from 1 to 3 feet in height and 1 to 4 years in age. Adapted to all locations.

50,000 LARGE FLOWERING SHRUBS, from 4 to 7-ft., bushy, symmetrical, fine and thrifty. Excellent for new places where immediate effect is desired.

BARGAINS in these by the quantity, as land must be cleared.

THE WM. H. MOON CO., Morrisville, Pa.
NURSERIES—30 miles from Philadelphia.

ROEMER'S SUPERB PRIZE Pansies.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of the Finest Pansies.

Here's An Opportunity!

Home Grown Kentias, from 10c to \$10.00. Arecas, from 2½-inch pots up to large specimens.

Latantias, Phoenix, Araucarias, Cocos, Chinese Primroses, best strains.

Begonia Gloire de Lorraine, from 2½-inch to 8-inch pots.

Acalypha Sanderi.

Peruvian Peppers, the latest novelty.

Ferns in variety.

A large stock of **Decorative Plants** first quality..... especially grown for the New England trade.

WRITE NOW FOR PRICES; THEY ARE TEMPTING.

A. LEUTHY,
ROSLINDALE, MASS.

SMILAX

FINE PLANTS, out of 2-inch pots.
\$1.50 PER 100, \$12.50 PER 1000.

J. C. Schmidt, Bristol, Pa.

'MUMS 6-in. pot grown, single stem, with 3 to 4 buds or more, at \$1.50 to \$2.00 per dozen.

ROSES, Meteors, Perles, Maids and Brides; extra fine stock, 3-in., \$3.00 per 100, \$25.00 per 1000. Discount on large lots.

CARNATIONS, a bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for price list.

CRABB & HUNTER, Grand Rapids, Mich.
Please mention the American Florist when writing.

New Haven, Conn.

TRADE ON THE INCREASE.—CUT FLOWERS IN DEMAND.—A NEW GROWER.—VISITORS.

There has been a decided improvement in business during the past two weeks and cut flowers of all kinds are in fair demand. Palms and ferns sell slowly and prices are not as high as last season. Violets and chrysanthemums have made their appearance.

John Doughty, formerly gardener for J. Hubinger, has severed that connection to go into the growing of bedding plants for himself. He is building a range of houses on Kimberley avenue.

Recent visitors: J. W. Jefferson, of Louisville, Ky.; E. J. Taylor, Southport, Conn.; Mr. Ludwig, with A. N. Pierson, Cromwell, Conn.; Geo. C. Goodwin, West Hartford, Conn. G. H.

Peoria, Ill.

The florists are glad the corn carnival is at an end for, contrary to predictions, it did not help trade. There has been no killing frost; still the demand is increasing daily, with a fair supply of roses and an increasing cut of carnations. Violets are coming along nicely and are improving in size and color. A few chrysanthemums are to be seen.

Cole Brothers and Murray were well represented in the recent industrial parade, having very showy and tastefully arranged wagons.

Geo. A. Kuhl, of Pekin, is cutting some very fine Golden Gate roses and Ethel Crocker carnations. He is having good sales on his Boston ferns and has devoted one of his largest houses to them.

J. C. Murray's Beauties are in full crop and are very fine. PEORIAN.

CARNATIONS FIELD-GROWN PLANTS

Genevieve Lord, only 1000 extra-fine plants left. These plants are under cover, safe from frosts. We recommend it as a fitting successor to Wm. Scott, and the most profitable Carnation every offered to the trade. Per 100, \$12.00; 200 or more at \$10.00; 500 at \$7.50.

James Whitcomb Riley, \$12.00 per 100.

Also a few Daybreak, Pingree and Wm. Scott, fine plants; to close out, \$5 per 100.

H. WEBER & SON, Oakland, Md.

Thrifty Field CARNATIONS

WITH PLENTY OF ROOTS.

Send for prices of thirty-five best new and standard varieties.

GEORGE HANCOCK & SON, Grand Haven, Mich.

MARQUIS

CARNATIONS, field-grown, \$10 to close balance of stock.

L. E. MARQUISEE, Syracuse, N. Y.

SURPLUS CARNATIONS. 10,000 FIELD-GROWN

Hardy and first-class. Daybreak, \$3.50; Flora Hill, \$4.50; Scott, \$3.50; Dean, \$4.00; Crane, \$3.00; Joost, \$4.50; J. Young, \$4.00; Mrs. Bradt, \$7.00; Edith Foster, \$5.00.

GEORGE O. CALDWELL, Scranton, Pa.

Prosperity

Is the name of the superb Carnation heretofore known as No. 666, to be disseminated March 1, 1900. For particulars apply to

DAILLEDOUZE BROS.,

Flatbush, Brooklyn, N. Y.

Carnation Plants

ARE ALL SOLD EXCEPT 4000 FLORA HILL, 500 SCOTT AND 200 PIERSON.

In order to close this lot out at once will sell cheap. Plants are good size and healthy. Write for prices if you want them.

Blooms of leading varieties now ready in small or large quantities. Write for quotations. Standing orders solicited. Also large quantities of Violet Blooms.

Address **CHAS. CHADWICK, Grand Rapids, Mich. Lock Box 11.**

4 Acres Field-Grown Carnation Plants, 120,000

MAYOR PINGREE SWEETBRIER MRS. FISHER DOROTHY SWEET CRIMSON SPORT MAUD ADAMS ALBERTINI \$1.00 per doz.; \$4.00 per 100. JUBILEE MCCOWAN PORTIA J. L. DILLON, Bloomsburg, Pa. ELBORADO L. L. LAMBORN C. A. DANA

AMERICAN BEAUTY, four-inch, selected, \$15.00 per 100. LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHOTOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 2-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch. MARIE LOUISE VIOLETS, from 2½ and 3-inch pots, \$2.50 to \$3.00 per 100; \$25.00 to \$30.00 per 1000. **A. S. MacBEAN, LAKEWOOD, N. J.**

100,000 Carnation Plants

Large, Healthy, Field-Grown Plants.

	Per 100	Per 1000
WM. SCOTT.....	\$2.50	\$20.00
LIZZIE McCOWAN.....	2.50	20.00
EVELINA.....	2.50	20.00
ARMAZINDY.....	2.50	20.00
NIVEA.....	2.50	20.00

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Only 6000 Left.

Extra Strong Field-Grown

SCOTT, McCOWAN and ARMAZINDY, \$2 a 100, \$15 a 1000 to close them out. Cash with order please. WM. FLUEGGE, 154 Lawrence Ave., Station X. Chicago, Ill.

CARNATIONS. Evelina, John Young, Albertini, Mrs. Dean, Webb, Empress, Jahn's Scarlet, White Cloud. Many plants have 25 flower shoots, \$4 per 100, or 500 plants for \$18. Last call. ALBERT H. BROWN, Westboro, Mass.

80,000

FINE, LARGE, FIELD-GROWN

Carnation Plants

Your money refunded if plants are not satisfactory.

Scott, Pingree, \$2.50 per 100, \$20.00 per 1000.

Argyle, a deep pink, better than Scott, \$2.00 per 100; \$18.00 per 1000.

ROSE PLANTS.

METEOR BRIDESMAID BRIDE } Large, strong plants. Per 100, \$2.50; 1000, \$20.00.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

PERLES, MAIDS, Choice, strong 3-in. stock, which will soon pay for itself. \$4.00 PER 100. We need the room and will pay express on orders for 300 to points within 400 miles, or half of express within 1000 miles.

CUT FLOWERS. High grade cut Roses and Chrysanthemums we can supply regularly at lowest prices. Write for particulars.

W. H. GULLETT & SONS, Lincoln, Ill.

Please mention the American Florist when writing.

Dreer's Special Offer of Hardy Perennials.

Varieties marked with a star (*) are specially suited for Cut Flowers.

		Doz.	100			Doz.	100			Doz.	100
*Achillea, The Pearl, 3-in. pots.....		\$.60	\$4.00	Funkia Thos. Hogg.....		\$.75	\$6.00	Phlox Subulata Nelsoni.....		\$.75	\$6.00
" Filipendulina, strong.....		.75	6.00	*Gaillardia Grandiflora, 4-in. pots.....		.75	6.00	" The Bride.....		.75	5.00
" Millefolium Roseum, str.....		.60	4.00	" clumps.....		1.00	8.00	" Amena.....		.75	6.00
Egopodium Variegatum, 3-in. pots.....		.60	4.00	*Gypsophila Paniculata, 1 year old ..		.75	6.00	* Divaricata Canadensis.....		.75	6.00
Ajuga Reptans Variegata, 3 " ..		1.00	8.00	Geranium Sanguineum, strong.....		1.00	8.00	* Physostegia Virginiana, strong.....		.75	6.00
Anemone Pennsylvanica, 3 " ..		.75	6.00	Geum Coccineum fl. pl.....		1.25	10.00	" " Alba, str.....		.75	6.00
* " Japonica Alba, 3 " ..		.75	6.00	*Helenium Grandicephalum Strati-				* Pinks, in six choice vars., clumps ..		.75	6.00
" " Whirlwind, 3-				atum, strong.....		.75	6.00	* Platycodon Mariessii, clumps.....		.75	6.00
" " in pots.....		.75	6.00	" " Autumnale Superba, str.,		1.00	8.00	" Japonicum, fl. pl., clumps ..		.75	6.00
" " Elegans, 3-inch				" " Bolanderi, strong.....		1.00	8.00	Plumbago Larpetae, clumps.....		1.00	8.00
" " pots.....		.75	6.00	" " Pumilum.....		1.25	10.00	Polemonium Coreruleum.....		1.00	8.00
" " Lady Ardilaun,				* Helianthus Maximilliana.....		.75	6.00	" Himalayanum Album.....		1.25	10.00
" " 3-in. pots.....		.75	6.00	* " Multulorum fl. pl.....		.75	6.00	" Richardsons.....		1.25	10.00
" " Queen Charlotte,				* " Maximus.....		.75	6.00	Poppies, Oriental, 3-in. pots.....		.75	6.00
" " 3-in. pots.....		1.00	8.00	* " Heliopsis Pitcherianus, strong.....		.75	6.00	Primula Veris (Cowslip).....		.75	6.00
" " Coupe d'Argent,				" scaber Major.....		1.00	8.00	* " Vulgaris, English Primrose ..		.75	6.00
" " 3-in. pots.....		1.00	8.00	Hemerocallis Dumortieri.....		1.00	8.00	* Pyrethrum Ulyginosum, strong.....		1.00	8.00
Aquilegia Chrysantha, clumps.....		1.00	8.00	" Flava.....		.50	4.00	" Hybridum, mixed seed-			
" " Alba, clumps.....		.75	6.00	" Fulva.....		.50	4.00	lines, clumps.....		1.00	8.00
" " Cerulea.....		.75	6.00	" Kwanso fl. pl.....		.75	5.00	* Rudbeckia Newmanii, clumps.....		.75	6.00
Arabis Alpina, strong.....		.75	6.00	Heuchera Alba.....		1.00	8.00	" Sub-tomentosa, clumps.....		.75	6.00
Asclepias Tuberosa, strong.....		.75	6.00	Hibiscus Crimson Eye, 1 year old....		.75	6.00	* " "Golden Glow," large ..		1.25	10.00
Asters (Michaelmas Daisies), twelve				" Moscheutos, 1 year old.....		.75	6.00	" " strong ..		.50	3.00
choice varieties.....		.75	6.00	Hollyhock Allegheny, in choice mix-				" Purpurea, strong.....		1.00	8.00
Armeria Maritima.....		.60	4.00	ture.....		1.00	8.00	Ranunculus Acris, fl. pl., strong.....		.75	6.00
" " Alba.....		.60	4.00	" Choice Single, in choice				Santolina Incana, 3-in. pots.....		.50	4.00
* Bocconia Cordata, strong.....		.75	6.00	mixture.....		1.00	8.00	* Scabiosa caucasica, blue.....		1.25	10.00
* Boltonia Asteroides, strong.....		.75	6.00	" Choice Double, in choice				" " Alba.....		1.25	10.00
" " Latisquamata, strong.....		.75	6.00	mixture.....		1.00	8.00	Sedum Acre, clumps.....		.50	4.00
Callirhoe Involucrata.....		.75	6.00	* " Chnice Double, in 6 sep-				* " Spectabilis.....		1.25	10.00
Campanula Altiaria-folia.....		.75	6.00	arate colors.....		1.25	10.00	* Spirea Ulmaria.....		1.00	8.00
" " Pyramidalis.....		1.00	8.00	* Hypericum Mosaerianum, 1 year old..		.75	6.00	" " Filipendula, fl. pl.....		.75	6.00
* Caryopteris Mastacanthus, strong..		.75	6.00	Iris Germanica, 10 choice named				" " Chinensis.....		1.50	10.00
Cerastium Pomentosum, strong.....		.75	6.00	sorts.....		.75	6.00	* " Aruncus.....		1.00	8.00
" " Boissieri, strong.....		.75	6.00	* " Kamperi, 24 choice named sorts		1.50	10.00	* " Venusta.....		2.00	15.00
Cimicifuga Racemosa.....		1.00	8.00	* " Lobelia Cardinalis, strong.....		.60	4.00	* Statice Latifolia, 1 year old.....		1.25	10.00
Clematis Davidiana, 1 year old.....		.75	6.00	" " Queen Victoria,				* Stokesia Cyanea, 2 1/2-in. pots.....		1.50	10.00
* Coreopsis Lanceolata Grandiflora,				" " 3-in. pots.....		.75	6.00	* Thalictrum Aquilegifolium.....		1.25	10.00
clumps.....		.75	6.00	" " Apollo, 3-in. pots.....		1.50	12.00	" " Atropur-			
* Delphinium Chinensis, 1 year old....		.75	6.00	" " Syphilitica, clumps.....		.60	4.00	pureum.....		1.25	10.00
" " Formosum, 1 year old.....		.75	6.00	* Lychnis Neapertina Alba, clumps.....		1.25	10.00	Thermopsis Caroliniana, 1 year old..		1.00	8.00
" " Sulphureum, 2 year old.....		2.00	15.00	" " Chalcedonica, fl. pl.....		1.50	12.00	Thyus Montanus Albus, divisions..		.75	6.00
* " Belladonna, 3-inch pots.....		2.00	15.00	" " Haageana.....		.75	6.00	" " Vulgaris Coccinea.....		.75	6.00
* Dictamnus Fraxinella, pink.....		1.00	8.00	" " Sempervirens Plenisima.....		1.00	8.00	Tradescantia Virginica, strong.....		.75	6.00
" " white.....		1.25	10.00	* " Viscaria Splendens, clumps.....		1.25	10.00	Tricyrtis Hirta Nigra, 3-in. pots.....		1.00	8.00
Dielytra Eximia.....		1.00	8.00	Lythrum Roseum Superbum.....		.75	6.00	* Tritoma Uvaria Grandiflora, clumps..		1.50	12.00
" " Spectabilis, strong clumps.....		.85	6.00	* Lysimachia Clethroides, strong.....		.75	6.00	" " strong			
Digitalis, strong.....		1.00	8.00	" " Nummularia.....		.50	4.00	divisions.....		.75	6.00
* Doronicum Excelsum, strong.....		1.00	8.00	Monarda Didyma Rosea, clumps.....		.75	6.00	* " Pfizeri.....		1.50	10.00
" " Austriacum, strong.....		1.00	8.00	" " Fistulosa Alba, clumps.....		.75	6.00	* Trollius Europaeus.....		1.00	8.00
" " Caucasicum, strong.....		1.00	8.00	Mertensia Virginica.....		1.00	8.00	" " Orange Globe.....		2.00	15.00
Draba Androsacea, 2 1/4 in. pots.....		.75	6.00	(E)nothera Speciosa, 3 in. pots.....		.75	6.00	" " Incana.....		1.50	12.00
* Erigeron Purpureum, strong.....		1.50	12.00	" " Fraseri, 3-in. pots.....		.75	6.00	" " Rupe-tris, strong.....		1.00	8.00
Epimedium Lilacea, strong.....		2.00	15.00	" " Capitata, 3-in. pots.....		.75	6.00	" " Spiota, strong.....		1.00	8.00
" " Macranthum, strong.....		2.00	15.00	* Pardonanthus Sinensis, strong.....		.50	3.00	" " Alba, strong.....		1.00	8.00
" " Niveum, strong.....		2.00	15.00	* Pentstemon Barbatu Torreyii, str.....		1.00	8.00	Viola Pedata.....		.60	4.00
" " Sulphureum, strong.....		2.00	15.00	" " Coruleus, strong.....		1.00	8.00	" " Bicolor.....		.75	6.00
Eryngium Planum, strong.....		1.25	10.00	Phlox Subulata Rosea.....		.75	5.00	" " Double Russian.....		.60	4.00
* Eupatorium Coelestinum, 3-in. pots..		.75	6.00	" " Alba.....		.75	5.00	" " Hardy Yellow.....		.75	6.00
Funkia Coerulea.....		.80	4.00	" " Atropurpurea.....		.75	6.00	Vinca Minor, very strong clumps.....		.75	6.00
" " Alba.....		1.00	8.00	" " Lilacea.....		.75	6.00	Yucca Filamentosa, strong.....		1.25	10.00
Funkia Variegata.....		.75	6.00								

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

GRAND OFFER TO CLOSE. Fine Plants. None Better.

We are compelled to move them. We must have room. A grand benefit to anyone desiring good Rose Plants.

		Per 100	Per 1000			Per 100	Per 1000
1000 Bridesmaids.....	3 1/4-in. pots,	\$1.50	\$12.00	200 Golden Gate.....	2 1/2-in. pots,	\$1.50	\$12.00
500 ".....	" "	1.00	9.00	50 Lady Dorothea.....	2 1/4 " "	1.50	15.00
3500 Brides.....	3 " "	1.50	12.00	700 Maid of Honor.....	4 " "	2.00	15.00
1200 ".....	2 " "	1.00	9.00	700 ".....	2 1/2 " "	1.00	15.00
3000 Meteors.....	3 " "	1.50	15.00	Latania Borbonica.....	3-in. pots,	\$15.00	
100 Mme. Chateausay.....	4 " "	1.50		Arca Lutescens.....	4 " "	25.00	
100 Mme. Cusin.....	2 " "	1.00		Cocos Weddeliana.....	3 " "	15.00	
125 ".....	4 " "	1.50					

Plants are vigorous and unusually fine, and will be carefully packed. We guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

Please mention the American Florist when writing.

STRONG FIELD-GROWN PLANTS OF Farquhar Violets.

Free from disease of any kind.
\$.60 per 100; \$50.00 per 1000.

JOHN McFARLAND, North Easton, Mass.

Latania Palms.

Choice stock in fine condition.
5-inch, 35c. 6-inch, 50c. 7-inch, 75c.
300 LATANIA BORBONICA, strong, 2 1/2-in. at 3 1/2c.

ALSO
1000 FIELD-GROWN ROSES, 3 ft. high and strong, Brides, Maids and Meteors, La France and Kaiserin, 8 cts. Ready Nov. 10.

JOY & SON, NASHVILLE, TENN.

PRIMROSES.

Chinese, single mxd. large flowering fringed, \$1.25
Obconica GRANDIFLORA and ROSEA..... 2.00
ASPARAGUS Sprengerii, 2-inch pots..... 2.50
Plumosis, 2-inch pots..... 3.50

Pansy Plants, large flowering, ready November 15..... 1000, \$2.50 .50

CASH PLEASE.

PANSIES WORTH RAISING...

Plants all sold for the present.
CHR. SOLTAU, 199 Grant Av., Jersey City, N. J.

VIOLETS

Large, field-grown clumps of California, 8 to 15 inches across, grand stock, \$3.00 per 100. Also 250 plants of Campbell, field-grown, in prime order, \$4 per 100, to close out.

ALBERT H. BROWN, Westboro, Mass.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing.

New Orleans.

THE STATE OF TRADE.—SUCCESS WITH CHRYSANTHEMUMS AS YET UNCERTAIN. —DOINGS OF THE SOCIETY.—VARIOUS NOTES.

Our summer has been quite pleasant, with no excess of heat and enough rain to give us a good supply of flowers during the whole season. Still, the chrysanthemums seem to be behind this year. Their main value is for our Decoration day, the first of November. Planting the early kinds is very uncertain, as we grow them outside and late warm weather and rain will very likely injure the flowers. The late kinds, or even the mid-season ones come generally too late. We are not able to say yet how they will turn out this year. So far Glory of Pacific seems to be in good time. Kate Brown also shows good buds, in good shape to be open in proper time.

It has been decided to have an informal chrysanthemum exhibit at our next society meeting, the third Thursday of November. At our last meeting we had as a visitor Roy McGregor, of McGregor Bros., Springfield, O. We had the pleasure of hearing from that gentleman the modus operandi of rose propagation as worked in Springfield. Many of us could not see any reason why we could not do the same thing here, but others have the firm idea that our climate is entirely against the successful propagation of roses by cuttings, at least on a large scale.

A committee of three has been appointed to devise the best way to send either money or stock to whoever is left of the Galveston florists. Every member of our society seems to be ready to contribute his share to the sufferers.

M. M. L.

AZALEAS

Received 20,000 in the best New York market varieties, sizes as follows:

	Per doz.	Per 100	Per 1000
8 to 10.....	\$ 3.50	\$27.50	\$250.00
9 to 11.....	4.10	30.00	285.00
10 to 12.....	4.50	35.00	325.00
12 to 14.....	6.00	42.50	400.00
14 to 16.....	7.50	55.00	525.00
16 to 18.....	12.00	90.00	

Large plants, \$1.25, \$1.50, \$2 and \$3 each. Also Large Consignment of Palms. Write for sizes and prices.

Cold Storage Valley, Hamburg Pips, case lots of 1000, \$12.50.

Send for our special price list of Bulbs

BOBBINK & ATKINS, Rutherford, N. J.

ASPARAGUS

Sprengerii and Plumosus Nanus

Extra strong stock from 2 1/2-in. pots, \$5 per 100, \$40 per 1000. (Ready for 3-inch.)

JACKSON & PERKINS CO., Newark, New York. Please mention the American Florist when writing.

PANSIES.

Large flowering Giant, ready for planting now, 50c per 100 by mail, \$3.00 per 1000 by express. In lots of 3000 or over, \$2.50 per 1000.

CINERARIAS.

Fine dwarf Hybrids in splendid mixture, \$2.00 per 100, from 2 1/2-inch pots.

E. FRYER, Batavia, Ill.

15,000 EXTRA FINE BOSTON FERNS

2 1/2, 3, 4, 5, 6 and 7-inch pots, now ready for shipment. Some very fine plants of Asparagus Plumosus Nanus out of 2 1/2-inch pots. A few thousand mixed Roses on hand for planting. Write for prices.....

GEO. A. KUHL, PEKIN, ILL.

Latania... Borbonica

EXTRA FINE STOCK.

Grown cold and not drawn up or pushed with fertilizers.

7 INCH--9 LEAVES, \$12.00 per dozen; 25 for \$22.00.

6 INCH--7 LEAVES, \$8.00 per dozen; 25 for \$15.00.

5 INCH--6 LEAVES, \$5.00 per dozen; 25 for \$9.00.

This stock must be sold at once. We are crowded for room.

...CASH, PLEASE...

CRITCHELL'S, CINCINNATI, O.

CALADIUMS Fancy leaved, 40 named sorts.

	Per 100	Per 1000
Dry bulbs, 1 1/4 to 2 1/4-in.....	\$10.00	\$90.00
Dry bulbs, 1 to 1 1/4-in.....	8 00	70 00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in.....

PHENIX CANARIENSIS & TENUIS, Very stocky,

3-4 characterized leaves, 15-18-in.....	15.00
4-5 " " 20-24 ".....	25.00
5-6 " " 24-30 ".....	40.00

PHENIX RECLINATA, 3-4 characterized leaves, 15-18-in., very stocky.....

LATANIA, 4-5 characterized leaves, 18-20-in.....

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in.....

Not less than 50 at above rates. Send for Price List.

P. J. BERCKMANS CO., Augusta, Ga.

5000 VINCA MAJOR VARIEGATA

Field-grown, long tops, \$6.00 per 100; 500 for \$25.00. Extra fine California Violets, clumps, \$3.00 per 100; L. H. Campbell, \$5.00 per 100; Blue and Crimson Spiraea, field stock, \$6.00 per 100; 2 1/2-in., \$3.00 per 100. Hydrangea Grandiflora and other Shrubs and Vines, also 50,000 CANNAS. What do you want. CASH PLEASE.

BENJ. CONNELL, Florist, West Grove, Pa.

PANSIES

Only 50,000 nice plants now on hand.

These are grown from the best seed in the world, and sure to please you. 50c per 100; \$3 per 1000.

S. T. DANLEY, Macomb, Ill.

Smilax Plants.

To make room, extra strong, from 3-in. pots, \$1.25 per 100. From 2 1/2-in. pots, 75c per 100.

VINCA MAJOR VARIEGATA, strong field-grown clump, 8 to 12 vines, 2 to 4 feet long, \$1.00 per 100. CASH.

H. DANN & SON, Westfield, N. J.

MAPLESHADE GLADIOLI.

SEND FOR CIRCULAR.

WILBUR A. CHRISTY, Kinsmen, O.



Pansy Plants, 10 leaves.....	100	1000
Geranium, choice mixed, 2 1/2-in.....	\$1.50	12.50
Chinese Primroses, mixed, 2 1/2-in.....	1.50	12.50
Hardy Grass Pink, (clumps).....	1.50	12.50
Begonias, flowering, mixed, 2 1/2-in.....	1.50	12.50
Calla Bulbs, medium sized.....	5.00	40.00
Sedum variegatum, (Border Plant).....	2.00	15.00
Rose Geraniums, 2 1/2-in.....	1.50	12.50
R. C. Carnation Morning Glory, lt. pluk.....	5.00	40.00
Pansy Seed, Giant Flowering mixed, per oz.....	\$1.00	

Hardy Ferns, mixed, 4-in., per 100, \$5.00; per 1000, \$40.00.

5 Plants at 100 rates; 250 at 1000 rates.

CASH PLEASE.

The Morris Floral Co., Morris, Ill.

BIG CUT

To make room for 25 000 GERANIUM CUTTINGS which must be potted in ten days:

ROSES, Brides and Bridesmaids, extra strong, 12 to 14 inches high; Perle, 2 1/2-inch, only \$2.00 per 100, worth \$4.00.

10,000 Strong Field-Grown CARNATIONS, X X strong, full of buds, \$3.00 per 100. 10,000 standards, Wm. Scott, McGowan, Evelina, Armazidy, Gold Nugget, Victor, Nivea, \$2.50 per 100. Mrs. Bradt, at \$5.00.

1000 Bruanti GERANIUMS, strong 3 and 2 1/2-inch, \$1.50 per 100. Mme. Sallerol, strong 2 1/2-in., \$1.50 per 100; strong 2-in., \$1.00 per 100.

AGERATUM Princess Pauline, rooted cuttings, 60c per 100. Louise Bonnett, latest novelty in white, \$1.00 per 100 R. C.

SALVIA SPLENDENS, \$1.00 per 100 R. C. ALTERNANHERA, 3 vars., dwarf, 60c per 100; \$5.00 per 1000.

ASPARAGUS SPRENGERII, very strong, 2 1/2-in. ready for 4-in., only \$4.00 per 100.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

100,000 Vines

AMPELOPSIS QUINQUEFOLIA, X strong, field-grown 2 and 3 years, 1d, \$5 per 100; \$40 per 1000. AMPELOPSIS VITICOLA, strong 2 years, field-grown, \$5 per 100; \$45 per 1000. Strong 3 years, from 4 inch pots, \$5 per 100.

CLEMATIS PANICULATA, strong, field-grown, 1 year, \$3.00 per 100; \$25 per 1000. 2 years, \$5 per 100; \$40 per 1000. 3 years, \$8 per 100; \$75 per 1000.

CLEMATIS FLAMMULA, X strong, 3 years, \$6 per 100.

EUONYMUS RADICANS VARIEGATA, strong 2 and 3 years, \$6 per 100; \$50 per 1000.

IVY, ENGLISH, strong, 1 year, field-grown, 2 to 3 ft, \$5 per 100; \$40 per 1000. Strong, 1 year, from 4-in. pots, \$8 per 100; \$70 per 1000.

HONEYSUCKLE, HALL'S JAPAN, strong, 2 years, field-grown, \$5 per 100; \$40 per 1000. X strong, 3 years, field-grown, \$6 per 100; \$50 per 1000.

Samples sent on application. Address

Mount Airy Nurseries, 7356 German-Phila., Pa. THADDEUS N. YATES, Proprietor.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/2-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early from

Money Order Office, EDWIN LONSDALE, Sta. H, Philadelphia, Wyndmoor, (Near Phila.), Pa.

N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

SPECIALTIES IN BEST ...VARIETIES

ROSES, from 3-inch pots.

CARNATIONS, for all delivery.

CHRYSANTHEMUMS.

SMILAX.

VIOLETS.

Prices low. Send for list. WOOD BROTHERS, FISHKILL, N. Y.

WIDE AWAKE FLORISTS ARE PUTTING IN THEIR CHRISTMAS STOCK OF PLANTS



Before cold weather, thereby taking advantage of low freight rates and the following very reasonable quotations for well-grown, strong, healthy Palms, Ferns and Decorative Plants. Our stock is still complete and we can make shipments at once. We offer these plants in comparison with the stock and prices of other growers.

The Asparagus Plumosus Nanus, 4-inch, is particularly good value at the price quoted.

Kentias==Latanias

Varieties	Size Pot	Height Inches	No. Leaves	Each	Per Doz.	Per 100	Per 1000
Kentia Belmoreana	2½	8 to 9	3 to 4	\$.25	\$ 1.50	\$12.00	\$100.00
Kentia Belmoreana	3	10 to 12	4 to 5	.20	2.00	15.00	150.00
Kentia Belmoreana	3½	12 to 14	5 to 6	.25	3.00	20.00	180.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	30.00	300.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00	600.00
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00	90.00	900.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	125.00	
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00	
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00	
Kentia Belmoreana	8	42 to 48	6	3.25	39.00	300.00	
Keotia Forsteriana	2½	8 to 9	3 to 4	1.50	12.00	100.00	
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Forsteriana	3½	12 to 14	5 to 6	.25	3.00	20.00	180.00
Kentia Forsteriana	4	14 to 16	5 to 7	.40	4.00	30.00	300.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	60.00	600.00
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00	90.00	
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	125.00	
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00	
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00	
Latania Borbonica	2½		3	.60	5.00	40.00	
Latania Borbonica	3	12	5 to 6	1.00	8.00	75.00	
Latania Borbonica	3½	12 to 15	5 to 6	.15	1.50	12.00	100.00
Latania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00	175.00
Latania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00	300.00
Latania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00	
Latania Borbonica	6	24 to 30	6 to 8	.75	9.00		
Areca Lutescens	2½	5 to 6	3 plants in pot.		8.00		
Areca Lutescens	3½	12 to 14	3	.20	2.00	15.00	
Areca Lutescens	4	15 to 18	3	.25	3.00	25.00	

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Serrulata	2-inch	.50	4.00
Pteris Tremula	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.10
Cyrtomium Falcatum	3-inch	1.00	8.00
Cyrtomium Falcatum	4-inch	1.50	10.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Bostoniensis	2-inch	.50	4.10
Nephrolepis Bostoniensis	4-inch	2.00	
Nephrolepis Bostoniensis	5-inch	3.00	
Nephrolepis Bostoniensis	6-inch	6.00	
Nephrolepis Bostoniensis	7-inch	9.00	60.00
Nephrolepis Cordata Compacta	5-inch	2.00	15.00
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

..Asparagus..

	Size Pot	Doz.	Per 100
Asparagus Plumosus Nanus	3-inch	\$ 1.00	\$ 8.00
Asparagus Plumosus Nanus	4-inch	1.50	12.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	6-inch	5.00	
Asparagus Sprengerii	8-inch	10.00	
Asparagus Tenuissimus	3-inch	1.00	8.00

The several sizes of Asparagus Sprengerii are especially strong and large value.

Miscellaneous.

	Pot	Height	Leaves	Each	Doz.	100
Araucaria Excelsa	3-inch					Each \$.50
Araucaria Excelsa	3½-inch					Each .75
Araucaria Excelsa	5-inch					Each 1.00
Ficus Elastica	6	22 to 23	12 to 14	\$.75	\$ 7.20	\$60.00
Ficus Elastica	7	24 to 28	14 to 16		10.00	75.00
Ficus Elastica	8	28 to 34	16 to 18		12.00	100.00
Pandanus Utilis	2½	6 to 8	10 to 12		1.00	8.00
Pandanus Utilis	3	8 to 10	12 to 15		2.00	15.00
Pandanus Veitchii	6	extra fine			18.00	
Dracena Terminalis	3½				2.00	
Dracena Terminalis	4				4.00	
Dracena Terminalis	5				6.00	
Cocos Weddelliana	3			.25	2.00	15.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50		
Phoenix Reclinata	3		4 to 6		1.50	10.00
Phoenix Canariensis	3		4 to 6		1.50	10.00
Aspidistra Lurida	4				3.00	
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00	
Corypha Gebanga	3	12	5 to 6		3.00	
Sansevieria Java Var.	2-inch				dozen	.60
Sansevieria Java Var.	3-inch				"	1.25
Sansevieria Java Var.	4-inch				"	2.00
Maranta Kerchoviana	3½-inch				"	2.00
Zingiber Officinale	Ginger Plant	4-inch			"	2.00
Zingiber Officinale	5-inch				"	3.00
Curculigo Recurvata	4-inch				"	2.00
Curculigo Recurvata	5-inch				"	4.00
Cyperus Alternifolius	5-inch				"	1.50
Cyperus Alternifolius	6-inch				"	2.00

NEPHROLEPIS WITTBOLDII, strong runners, ready for 3 and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place,

CHICAGO, ILL.

Baltimore.

SECRETARY HERR ENTERTAINED AT A SMOKER.—MUCH GOOD CHEER.—VARIOUS ITEMS.

The smoker given by the club in honor of Albert M. Herr was the most enjoyable entertainment in which the members have taken part for a long while. Mr. Herr's short address on the coming carnation show was followed by a programme which left the crowd with aching sides and grinning faces. If "laugh and grow fat" is a reliable motto, then the increase in avoirdupois on the part of those present will be plainly perceptible. Jas. M. Clayton, Russell Jones, Frank Harmon and Harry Kleinfelter furnished the music and recitations; last, but by no means least, came the collation and smoker.

The expected freeze has not materialized, consequently business is still flat, with the exception of an occasional flurry in funeral designs.

G. V. Smith is adding an office and two houses to his Waverly place and Jno. Donn's plant sanitarium is under way.

MACK.

GRAND FORKS, N. D.—E. S. Kneeland has added a new greenhouse to the equipment of the Hillsboro Nurseries.

MONTICELLO, IA.—C. L. Van Meter is adding a house 22x50, even-span, in which he proposes to grow miscellaneous stock.



Express Prepaid

ON ALL ROOTED CUTTINGS, AND SATISFACTION GUARANTEED.

50,000 Alternantheras, red and yellow, 60c per 100, \$5 per 1000. Ageratum, 4 vars., Princess Pauline, 75c per 100, \$7 per 1000. A new rich blue, a dwarf var., habit like Pauline, a good one; 75c per 100, \$7 per 1000. Cope's Pet, blue; Lady Isabel, white; 60c per 100, \$5 per 1000.

Heliotrope, 10 best vars., \$1 per 100, \$8 per 1000. Daisies, California White, Yellow, Castle Yellow, the only two vars., \$1 per 100, \$8 per 1000. Carnations, Flora Hill, \$4 per 100. Morillo, \$4 per 100. Verbenas by the car load later on.

THAT CASH PLEASE.

G. HUMFELD, Clay Center, Kes.

MONEY IN VIOLETS.

Practice the methods of culture and marketing explained in Professor Galloway's book

Commercial Violet Culture,

224 pages, elegantly printed and illustrated. Price, postpaid, \$1.50.

COMMERCIAL PLANTS, G. W. OLIVER.....\$1.00 WATER GARDEN, WM. TRICKER..... 2.00 RESIDENTIAL SITES and ENVIRONMENTS.

J. F. JOHNSON..... 2.50

Send for catalogue of other trade books.

A. T. DE LA MARE PRINTING & PUB. CO., Ltd., P. O. Box 1697, NEW YORK.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA.

BOSTON FERN ...A... SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Field-Grown Carnations Glacier, Evanston, Jubilee, Armazindy, Dana, Meteor, Bridesmaid, Eldorado, Portia, Scott, all others sold. Fancy stock, \$5; ordinary, \$3. CASH. DANA R. HERRON, OLEAN, N. Y.

Heacock's Premium Arecas

I have grown some specimen Arecas, plants that last year showed exceptional vigor. These are now in 14-inch pots stand 8 to 9 feet high and very bushy. Each plant is perfect from all sides and great value for the price, \$25 to \$30 each. I also offer the following list of assorted Palms, all in perfect form and entirely free from insects or blemishes of any kind:

Areca Lutescens.

3 plants, 6-inch pot, 24 to 28-inches.....\$12 per Doz., \$100 per 100 3 " 8 " 36-inch, fine.....\$3 each. Specimen, 14 " 8 to 9 feet, very fine and bushy.....\$25 to \$30

Cocos Weddeliana.

1 plant, 2 1/4-inch pot, 8 to 10 inches high.....\$15 per 100 1 " 3 " 10 to 12 " 20 " 1 " 4 " 18 inches high.....\$.50 each 3 " 5 " 18 " 1.00 "

Kentia Belmoreana.

4-inch, 5 to 6 leaves, 15 inches high.....\$ 4.50 per doz., \$ 35 per 100 6 " 6 " 24 " 15.00 " 125 " 8 " 6 to 7 " 30 to 32 inches high.....\$3 each.

Kentia Forsteriana.

4-inch pot, 4 to 5 leaves, 15-in. high.....\$4.50 per doz., \$35 per 100 6 " 5 " 24 to 28-inches.....\$1.00 each, 12 per doz. 6 " 5 to 6 " 30 " 1.25 " 15 " 8 " 6 " 36 to 40 " 3.00 " 36 " 8 " 6 " 48 to 50 " 4.00 " 48 "

JOSEPH HEACOCK, - Wyncote, Pa.

NOVELTIES.

New Daisy Rose SNOWFLAKE

See illustration in American Florist of September 15th.

\$3.50 per 12, \$15 per 100. Always in bloom.

- New Rose "Little Darling" or 1000 Blossoms, 75c per 12; \$8.00 per 100. Jack-and-the-Bean-Stalk Vine (Kudzu), \$1.00 per 12; \$7.00 per 100. Climbing Lily of the Valley (Salpichroa), 75c per 12; \$5.00 per 100. Lace Fern, fronds last four weeks and over, 75c per 12; \$5.00 per 100. Boston Fern, 2 1/4-inch, 60c per 12; \$4.00 per 100; larger all prices. Baby Primrose, 60c per 12; \$1.00 per 100. Easter Primrose same price. Bougainvillea, fine, 4-inch pots, \$10.00 per 100. New Ruellia, 50c per 12. New Pink Sweet Scented Aatile Chimnase, very fine for forcing. Large clumps, \$10.00 per 100; \$1.50 per 12. Smaller, half price. New Deutzias, Lemoine's three latest novelties, \$1.00 per 12; \$7.00 per 100. New Rusaeffas, extra fine for Christmas, 60c per 12; \$4.00 per 100. Grand Crimson Passion Flower, variegated leaves, \$1.00 per 12. Cyperus Gracilia, best for jardineres, 50c per 12; \$3.00 per 100. Asparagus Sprengeri, over 10,000 in stock. Extra strong 2 1/2-inch, ready for 3 1/2-inch, \$5.00 per 100; 7c per 12; 3 1/2-inch, ready for 5-inch, \$8.00 per 100; strong 5-inch, \$2.00 per 12; 6-inch, \$3.00 per 12. GALLAS, Little Gems, \$3.00 per 100. Spotted Leaf, \$2.00 to \$4.00 per 100. Yellow Callas, \$3.00 per 12. Fragrant Calla, \$1.50 per 12. Amaryllis, 500 sorts. Cannas, 200 sorts. Dahlias, 500 sorts.

A. BLANG & CO., Philadelphia, Pa.

BIG BARGAIN.

Having a large stock of fine LATANIAS and BRANCHED RUBBERS, and as I must make room for my large consignment of Azaleas, I will offer for the next two weeks the following:

- LATANIAS, 3 plants in a 5-inch pot, - at 25c, worth 35c " 1 plant in a 6-inch pot, - at 50c, " 75c BRANCHED RUBBERS, fine stock, 10-in. pot, at \$2.00 " \$3.00

My other stock at the usual prices on application.....

WM. K. HARRIS,

55th Street and Springfield Avenue,

PHILADELPHIA, PA.

\$3.00 per 1000 GIANT PANSIES OR DAISIES.

..... Roemer's or Trimardeau. Longfellow, Snowball Daisies. California Privet, branched, \$2.50 per 100; \$20.00 per 1000. Cash.

BYER BROS., Chambersburg, Pa.

VIOLETS

Extra strong field-grown clumps.

California.....\$4.00 per 100 Princess of Wales..... 5.00 per 100

NATHAN SMITH & SON, Adrian, Mich.

THE ANNUAL AUTUMN NUMBER

...OF THE...

American Florist

...WILL BE ISSUED...

NOVEMBER 10.



THIS splendid Special Issue of the American Florist will come in the week of the Chrysanthemum Shows in all the principal cities. It will contain reports of all these exhibitions, well illustrated and printed in the highest style of the art. These special issues have become famous for their technical, artistic and literary excellence, and this Autumn Number will excel its predecessors both in interest and in business bringing powers.

Copies of this number will be mailed throughout the United States and Canada to every person in the trade whose business is worthy of consideration, also to leading foreign houses.

Advertisements in body pages will be taken at our ordinary rates, namely \$1.00 per inch, \$30.00 per page of thirty inches, with the usual discounts on time contracts. Advertisements on second, third and fourth *Special Cover Pages* (printed on heavy toned paper), \$30.00 per page, net.



AMERICAN FLORIST COMPANY,

324 Dearborn Street,

.....CHICAGO, ILL., U. S. A.

In order that you may be given the best possible position and display

PLEASE MAIL YOUR ADVERTISEMENT NOW.

THIS IS THE TIME TO DO BUSINESS.

Nashville.

BUSINESS IS BRISK IN THE TENNESSEE TOWN.—WEDDINGS NUMEROUS.—STATE OF SUPPLY.—JOYS LOSE A STREET EXHIBIT BY FIRE.

The early fall days have produced a marked improvement both in the volume of trade and in the quality of flowers. The opening of the large boarding schools for young ladies has helped to bring about a briskness in trade, and an unusually large number of fall weddings has caused a good demand for decorations and bridal flowers, although the society reporter had it that some of the houses were decorated with "studied simplicity" which may have been very "effective" but did not net much to the florists' pocketbooks. Bridesmaids, Brides and Kaiscrins are much larger in size than a few weeks ago and many good Beauties are being cut. The latter are only bringing medium prices, hardly up to the quality given. Cosmos, dahlias and all fall flowers have been abundant. Chrysanthemums are now coming in and very handsome early varieties in pink and white are to be seen in the florists' windows.

Joy & Son, who had a booth and exhibit at our street fair, given under the auspices of the Retail Merchants' Association, were so unfortunate as to get caught in a fire that broke out in the fair, destroying a number of booths. They lost all that was shown, palms and decorative plants, but with commendable enterprise they redecorated the booth the next day. Messrs. Joy had the same misfortune last year at the street fair.

The little granddaughter of Mrs. C. A. Birn, who has a flower store on Church street, captured first prize in the children's flower parade at the street fair.

M. C. DORRIS.

PORTLAND, ME.—Jas. Fyles & Son have opened a branch store at 267 Congress street.

WICHITA, KANS.—Mrs. J. W. Wingart has sold her greenhouses to the Wichita Greenhouse Company, who will remove the structures to Waco street, where they are erecting a large range of houses for the purpose of growing cut flowers.

VEGETABLE PLANTS

CABBAGE—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWAHN'S POTTERY MFG CO., P. O. Box 78, Minneapolis, Minn.

40,000

Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—\$35, \$50, \$75 and \$100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....\$35 per 100 14 to 16 inches in diameter.....\$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...\$5 per 100 Strong 3 in. pots...\$8 per 100
Asparagus Sprengerii—2½ in...\$5 per 100 Asparagus Sprengerii—3 in...\$7 per 100

BOSTON FERNS.

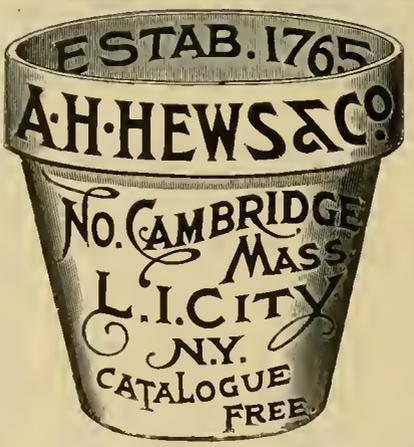
Strong 2½ in. pot plants.....\$40 per 1000 Strong 4 in. pot plants.....\$15 per 100
Strong 5 in. pot plants.....\$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....\$12 per 100
Hybrid Perpetual—Large assortment of best forcing varieties.....\$10 per 100
\$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.



Please mention the American Florist when writing.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.

Before buying write for prices
361-363 Herndon Street
Near Wigwagwood Ave.
CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.

Please mention the American Florist when writing.

Red Standard Pots.

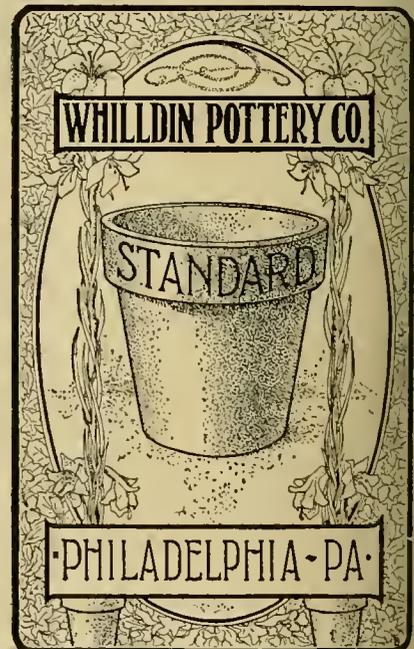
CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.
G. HENNEGKE CO., MILWAUKEE, WIS.

American Florist Advt.



Reach all the Trade.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1800 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20	1500 2 1/2 " " " "	60 8 " " "
1500 2 1/2 " " " "	60 8 " " "	1500 3 " " "	20 9 " " "
1000 3 " " "	20 9 " " "	800 3 1/2 " " "	12 11 " " "
800 3 1/2 " " "	12 11 " " "	500 4 " " "	8 12 1/2 " " "
500 4 " " "	8 12 1/2 " " "	320 5 " " "	5 14 " " "
320 5 " " "	5 14 " " "	144 6 " " "	3 16 " " "

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents
52 DEY STREET, NEW YORK CITY.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

WE ARE READY

For the coming season with the most complete and comprehensive line of "Florists' Supplies" to be found in America.

Being one of the LARGEST IMPORTERS AND MANUFACTURERS of

Florists' Supplies

We invite every Florist to step in and see our stock, if at all possible, or write to us for our HANDSOME NEW ILLUSTRATED CATALOGUE, which will be found complete and up-to-date. A few of our specialties are

IMPORTED CYCAS LEAVES (dull and glazed), our FAMOUS WHEAT SHEAVES, IMMORTELES, CAPE FLOWERS (all colors), NOVELTIES IN FANCY AND PLANT BASKETS, for every occasion; POT COVERS, PEDESTALS, and EVERYTHING that is needed by the trade will be found at "HEADQUARTERS."

M. RICE & CO., Importers and Manufacturers,
918 Filbert St., PHILADELPHIA, PA.

POINTS

ARE

PRICES-QUALITY



SAGO LEAVES.

	Per 10		Per 10
6-12 inch	\$.40	24-30-inch	\$.85
12-18 "	.55	30-36 "	1.20
18-24 "	.70	36-42 "	1.50
		42 inch and over,	per 10, \$2.40.



No. 7200 PALMS.

Lvs.	Hgt.	Doz.
7204	3-24-in.	\$2.10
7204a	3-36 "	3.60
7200	5-36 "	5.40
7201	5-40 "	7.20
7201a	10-40 "	ea. 1.80



**Metal Wreaths,
From
25 cents up.**

PALM TREES.

Lvs.	Hgt.	Pa.	Natural Prepared
7206	9-7-ft.	\$3.50	Palm Leaves, 100
7208	16-9 "	4.50	Medium size... \$ 6.00
7209	24-10 "	6.00	Large size..... 10.00

Frank Netschert,

CHICAGO: 187 S. Clark St. NEW YORK: 7 Barclay St.
Ask for Catalogue No. 23.

Möller's Deutsche Gärtnerei Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtnerei Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt.
(GERMANY)

Tell them where you saw the ad

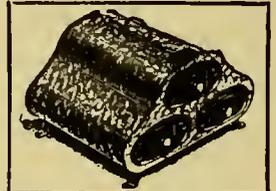
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAMES W. ERRINGER,
Gen. West. Sales Agent,
297 Wabash Ave., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

ESTABLISHED 1866

EMIL STEFFENS

SUCCESSORS: R. STEFFENS AND STEFFENS BROS.



335 EAST 21ST ST. NEW YORK CITY.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER AND TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.



**..PURE..
Sheep Manure.**

Dry, pulverized, in car lots, \$8 00 per ton. Dry, but not pulverized, \$4 00 per ton. In natural or green state, \$1.50 per ton; f. o. b. cars, Kirkland, Ill.

ADDRESS: MONTANA FERTILIZER CO., Elgin, Ill., U. S. A.

SMILAX STRINGING Made Easy by the use of

MEYER Green SILKALINE

JUST THE SHADE OF THE FOLIAGE. Samples and prices free.

JOHN C. MEYER & CO.,
80-84 Kingston St. BOSTON, MASS.
For sale by leading Florists

Imported Prepared
CYCAS LEAVES
LOWEST PRICES.
RECEIVING REGULAR SHIPMENTS.
Florida Natural Products Co.,
P. O. Box 273, Indianapolis, Ind.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

Cincinnati.

BUSINESS VERY FAIR.—LARGE FUNERAL AND WEDDING ORDERS.—DOINGS OF THE FLORISTS' SOCIETY.—NOTES.

Business might be termed fair, for the Friend wedding at Lockland last Monday and the Goepper funeral Saturday used up immense quantities of flowers. At the Goepper obsequies it was impossible to get all the flowers into the house, there being three wagon-loads taken to the church. The cry at present is for American Beauty roses and about the only good ones coming in are from George & Allan, which sell readily at \$3 per dozen, wholesale. Chrysanthemums made their appearance in quantity last Wednesday, Bergmann, Willowbrook and Glory of Pacific being the varieties. There were only very few previous to that, but from now on this market will be pretty well supplied.

The meeting of the Florists' Society Saturday evening was poorly attended, there being not more than a dozen present. The fall festival float committee handed in its report. Mr. Witterstaetter, in behalf of the society, made a neat little speech in which he thanked the committee for their efforts. There were rumors afloat that the committee was short of funds, but when Mr. Brooks read the report it showed a cash balance of \$7 26. Probably this will make one or two parties breathe a little easier. The committee on exhibitions reported progress and we will have the first of our monthly shows in November, of chrysanthemums, roses and carnations.

Frank Ball, of the Cincinnati Cut Flower Co., made a trip to Columbus recently and reports the different places he visited as being in first-class condition, with all the boys ready for a good business the coming winter.

They say at the Cincinnati Cut Flower Company's that "Freddy" Gear is an expert telegraph operator. If you don't believe it ask "Benny" George or "Charlie" Jones.

E. G. Gillett has moved into more spacious quarters, just across the hall from his old place of business, 113 East Third street. Ed. will now be right in line.

D.

YORK, PA.—Charles Smith is now occupying the handsome new residence which he has just completed upon his greenhouse property at the corner of Jefferson and Jackson avenues.

CYPRESS



Green House Material

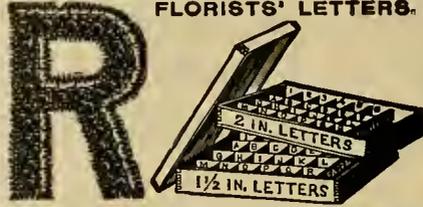
Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 84 Hawley St., BOSTON, MASS.

Please mention the American Florist when writing.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

60, 62, 64 and 66 N. 4th St., PHILADELPHIA, PA. Please mention the American Florist when writing

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,

AND All Florists' Supplies.

Send for Prices.

404-412 East 24th St., NEW YORK.

The Gonley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER. DUNNE & CO., 54 West New York, 3rd St. HORTICULTURAL SUPPLIES.



CYCLONE SPRAY PUMP THE GREAT INEBOX EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Herbs, etc. All tin, 50c.; all polished copper, \$1.00. Cash with Order. Weighs about 5 pounds. Buyer pays express. STEVENS & CO., 107 Chambers St., N. Y. City.

SIGMUND GELLER

Importer and Mr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 23th St., near 6th Av., NEW YORK.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white lumbars) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brass and nickled, with three clasps for 5 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist, 1725 Chestnut St. Philadelphia, Penn.

Nikoteen Aphis Punk It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabcura Dip Co. St. Louis—Chicago.

Please mention the American Florist when writing.

IMP LIQUID PLANT FOOD

For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY, Chicago Office: 620 Atlantic Ave., Boston. H. K. SNIDER, Suite 423, 260 Clark St.

DONT PAINT

until you have seen our sample cards. They will help you. Drop us a postal and we'll mail them to you. JOHN LUCAS & CO., Philadelphia, New York and Chicago.

BEST AND CHEAPEST ALL-ROUND INSECTICIDE on the Market.

ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

Invalid Appliance Co., MANUFACTURERS OF COLUMBIA PLANT TUBS

"The kind that never fall apart." If your seedman doesn't handle them, order us direct. FACTORY AND OFFICE: 150-160 WEDDER ST., CHICAGO. TELEPHONE NORTH 923.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

IMPROVED GREENHOUSE GLAZING • POINTS.

A sure preventive of glass slipping, effective on large or small glass. ZINC WILL NOT RUST. LAST FOREVER. Easy to drive and easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$ -in., 40c a pound, by mail 16c extra, 1440 $\frac{3}{8}$ and 1040 $\frac{1}{2}$ in a pound; 7 pounds for \$2 50 by express.

FOR SALE BY

HENRY F. MICHELL, Philadelphia, Pa.	VAUGHAN'S SEED STORE, Chicago, Ill.
SCHLEGEL & FOTTLER, Boston, Mass.	VAUGHAN'S SEED STORE, New York.
W.M. C. BECKERT, Allegheny, Pa.	VONNEGUT HDW. CO., Indianapolis, Ind.
INGLIS BROS., Brooklyn, N. Y.	CARNEAL & DAVIS, Richmond, Va.
PITTSBURG CUT FLOWER CO., Pittsburg, Pa.	

KIND WORDS NEVER DIE.

St. Louis, Mo.
CHAS. T. SIEBERT: The 5 lbs. of zinc points you sent me are excellent; they are just the kind of a point we want. Very respectfully,
W.M. BRUECKER, Florist.

CLEVELAND, O.
CHAS. T. SIEBERT: In our 25 years' experience in glazing points of all kinds, I can say your zinc points are the best to date. CHAS. H. WILSON,
Mgr. for Ella Grant Wiison, Florist.

BERWICK, PA.
CHAS. T. SIEBERT: Enclosed find M. O. for one lb. more zinc points the same as others sent. They are decidedly the best points we ever used.
Respt. JOHN A. SMITHERS & SON, Florists.

YOUNGSTOWN, O.
CHAS. T. SIEBERT: Please find inclosed check for \$3 50, for which send me 10 lbs. more of your zinc points. To my way of thinking, too much can not be said in their favor.

Yours truly, E. HIPPARD.

CHAS. T. SIEBERT, MFRG.,
Stanton Ave. Station B, PITTSBURG, PA.



THE NEW Standard Ventilating Machines.

Always reliable.
Self-oiling.
Four Styles.
All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE
E. HIPPARD CO.,
YOUNGSTOWN, O.



THE KINNEY PUMP.
For applying Liquid Manure it has no equal!

Sent prepaid for \$2.50.
Without spraying valve \$2.00.

Address **The HOSE CONNECTION CO.,** KINGSTON, R. I.

RUSTIC WORK FOR ALL PURPOSES
MADE TO ORDER...

In stock, the most extensive variety in the country. of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO.,
19 Fulton Street, NEW YORK CITY.

N. F. McCarthy & Co. OFFER GALVANIZED STEEL WIRE ROSE STAKES

AT THE FOLLOWING PRICES:

Inches	Per 100	Per 1000	Inches	Per 100	Per 1000
14	.50	\$2 00	42	.90	\$7.75
24	.75	6.00	48	1.00	8.50
30	.80	6.00	60	1.10	10.50
36	.85	7.00			

No. 18 Gal. Wire, for running along the top of Stakes, \$1.00 per Stone.
On large lots we are prepared to quote special low prices, and are at all times ready to meet competition on Wire.

PLANT AUCTIONS ARE HUMMING! Every Tuesday and Friday at 9 A. M.
N. F. MCCARTHY & CO., 84 Hawley St., Boston, Mass.



H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

GARLAND'S IRON GUTTER AND DRIP CONDUCTOR. NO SNOW OR ICE.

Waterway Capacity for 6,000 feet of Glass.
Length of section, 5 ft.; weight, 65 lbs.; carrying capacity, 4070 lbs.

This Gutter will save money in cost of construction as well as in rebuilding.

Parties contemplating using iron gutters will do well to note the wording of Patent No. 616,781, issued to Geo. M. Garland, as published in previous issues.

Iron Plate and Drip Conductor for Outside Walls of Disconnected Houses.

GEO. M. GARLAND, - DES PLAINES, ILL.

CYPRESS WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....

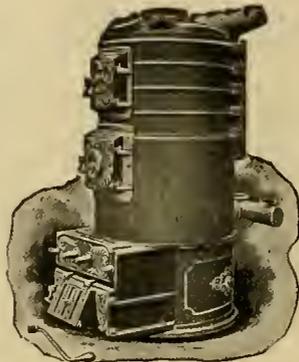
THE CHAMPION VENTILATING APPARATUS

Catalogue is free. A postal with your name and address secures it. Address
COOLIDGE BROS., Florists, So. Sudbury, Mass.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Index to Advertisers.

Advertising Rates.....	414	Keller Bros.....	432
Allen J R.....	419	Keller Geo & Son.....	432
Allen S L & Co.....	11	Kellong Geo M.....	418
American Rose Co.....	422	Kennel Pot Co.....	421
Amling E C.....	417	Kentucky Top Pro Co.....	434
Barnard W W & Co.....	1	Kift Rubert.....	437
Baur S Alfred.....	1	Kilbourn R.....	425
Barrow J G.....	418	Kroeschell Bros Co.....	1V
Bassett & Washburn.....	417	Krahn C A.....	418
Bayendorfer H & Co.....	434	Kuhl Geo A.....	428
Bentley & Atkins.....	428	Lager Herrll.....	421
Berkman P J Co.....	428	Lakev w Rose Garden.....	427
Berning H G.....	418	Lang Julius.....	419
Bidekunas Die.....	11	Langjahr A H.....	418
Blanc A & Co.....	430	Lee K A.....	421
Bloom J S.....	421	Lehman Bros.....	433
Blue Hill Nursery.....	425	Leuby A.....	429
Bobnik & Atkins.....	428	Limprecht S J.....	419
Boston Letter Co.....	434	Lockland Lum Co.....	434
Braque J B.....	418	Long D B.....	11
Brant & Noe.....	416	Lonsdale Edwin.....	428
Brown Albert H.....	426 427	Lord & Burnham Co.....	1V
Brown Peter.....	425	Lotthrop & Higgins.....	423
Brown Bag Filling.....	420	Love J & W.....	418
Machine Co.....	420	Lucas J & Co.....	434
Badlong J A.....	417 423	Lynch W E.....	417
Bunyard H A.....	416	McCarthy & Co N F.....	418 435
Burpee W Allee & Co.....	11	McFadden E C.....	420
Byer Bros.....	430	McFarland John.....	427
Caldwell Geo O.....	426	McFarland J & Winters.....	429
Caldwell the Woodie.....	420	MacBean A S.....	426
man Co.....	416 420	Mader Paul.....	425
Carmody J D.....	111	Marquisee L E.....	426
Chadwick Chas.....	426	Meyer John C & Co.....	433
Chicago Carnation Co.....	416	Millang & Co.....	419
Chicago House Wreck.....	111	Millang Frank.....	419
ing Co.....	111	Moller's Gartner Zel- tung.....	433
Charity Willur A.....	428	Moninger J C Co.....	433
Chicago Cur Flo Co.....	418	Montana Fertilizer Co.....	433
Clark Wm A & Son.....	422	Moon Samuel C.....	422
Cleary & Co.....	422	Moon Wm H Co.....	422 425
Cole W W.....	424	Moore & Naah.....	419
Conard & Jones Co.....	425	Morris Floral Co.....	428
Conley Roll Co.....	428	Moss Geo M.....	418
Connell Ben.....	428	Mount Alry Nurseries.....	428
Coolidge Bros.....	435	Murphy Wm.....	424
Cottage Gardens.....	1	Myers & Co.....	436
Crabb & Hunter.....	425	Nettobert Frank.....	433
Craig Robt & Son.....	430	Nickle Plate R R.....	423 428
Critchell's.....	428	Nielsen Leo.....	418
Cunningham D O.....	427	N Y Cut Flower Ex.....	419
Glass Co.....	111	N Y Cut Flower Co.....	419
Dailedouze Bros.....	426	Pennock Sam'l S.....	418
Danley S T.....	428	Persora F B Co.....	420
Dann H & Son.....	428	Pittsburg Cut Flo Co.....	416
Deamud J B.....	416	Pohmann Adolph H.....	425
De La Mare.....	424	Pollworth C C Co.....	416
and Pub Co.....	430	Prince A G & Co.....	4 7 424
Detroit Flor Pot Mfy.....	432	Quaker City Mch Wks.....	111
Dietsch A & Co.....	436	Randall A L.....	417
Dillon J L.....	426	Rawlings E L.....	424
Dorner Fred & Sons Co.....	424	Raynor J I.....	419
Dreer H A.....	427 431	Reed Geo.....	411
Dunne & Co.....	434	Reagan Printing House.....	11
Eastern Chemical Co.....	434	Reinberg Geo.....	417 426
Eichholz Henry.....	424	Reinberg Peter.....	417 426
Ernest W H.....	432	Reiter Walter & Co.....	422
Ferguson John B.....	418	Rice M & Co.....	433
Finley Lawn Rake Co.....	436	Rodgers Alex.....	11
Florida Nat Prod Co.....	436	Rooper & Son.....	11
Fluegge Wm.....	426	Rustic Mfg & Con Co.....	435
Ford Bros.....	419	Saltford Geo.....	419
Foeter Lucius H.....	430	Sander & Co.....	421
Fryer E.....	428	Schillo Adam.....	1V
Gardeners Chronicle.....	11	Schmidt J C.....	425
Gardening Co The.....	11	Sooley John A.....	411
Garland Geo M.....	435	Sheridan W F.....	419
Geller Sigmund.....	434	Siebert Chas T.....	435
Ghormley Wm.....	419	Siebrecht & Son.....	1
Gibbons H W.....	1V	Situations & Wants.....	415
Giblin & Co.....	111	Skabura Dip Co.....	434
Gillett & Sons W H.....	426	Smith & Son.....	430
Gunther Wm H.....	419	Smith & Son.....	430
Gutman Alex J.....	434	Smith W & T Co.....	1
Gurney Heater Co.....	436	Smurthwaite C A.....	1
Hagenburger Carl.....	421	Produce Co.....	11
Hall Ass'n.....	111	Soltan C.....	427
Hancock Geo & Son.....	426	South Side Floral Co.....	428
Harris Wm K.....	430	Stahl Chas B.....	418
Hart M A.....	419	Stearns Lumber Co.....	111
Hancock Joseph.....	430	Steffens Emil.....	433
Holte J B.....	421	Stevens & Co.....	434
Heller & Co.....	11	Stoothoff H A & Co.....	11
Hennecke C Co.....	422	Storrs & Harrison Co.....	432
Henderson Mfg Co.....	1V	Styer J J.....	11
Herr Albert M.....	425	Sutherland Geo.....	4 8
Herrmann A.....	434	Swann Pottery Mfg Co.....	432
Herron Dan B.....	430	Thorburn J M & Co.....	420
Hewa A H & Co.....	432	Traendly & Schenck.....	419
Hilfgrar Bros.....	432	Vall Seed Co.....	420
Hill F G & Co.....	1	Van Wert Green'ee.....	423
Hill H H.....	416	Vaughan's Seed Store.....	420 421 1
Hippard E Co.....	435	Vick's Sons Jas.....	11
Hilshing & Co.....	1V	Vincent R Jr & Son.....	432
Holton & Honkel Co.....	416 433	Vredenburg & Co.....	11
Hooker H M Co.....	435	Waldhart Alex.....	423
Horan Edw C.....	419	Watson G C.....	11
Hort Adv.....	11	Weber H & Sons.....	425
Hose Connection Co.....	435	Weber & Don.....	417
Hubbard T O.....	422	Welland & Biesch.....	417
Humfeld C.....	430	Welch Bros.....	418
Hunt E H.....	417	Whilldin Pot Co.....	432
Invald Appliance Co.....	434	Wietor Bros.....	417
Indianapolis Flower.....	426	Wilks S Mfg Co.....	1V
and Plant Co.....	426	Witbold The Geo Co.....	429 1
Jackson & Perkins Co.....	420 422 424	Wood Bros.....	428
Jackson E B.....	423	Woodroffe & Bern- helmer.....	418
Jacobs S & Sons.....	1V	Wood, Stubbs & Co.....	440
Jennings E B.....	422	Young Jno.....	419
Jennings Bros.....	433	Young & Nugent.....	419
Johnson & Stokes.....	430		
Joy & Son.....	427		
Kaating W F.....	418		



GURNEY "400 SERIES"
HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

RELIABLE—DURABLE—ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch.
111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill.
Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK.
EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA.
(ESTABLISHED 1849.)

WE furnish FREE OF CHARGE to our customers, drawings showing the most improved construction for their special wants.



GREENHOUSE MATERIAL,

Cal. Red Cedar and Louisiana Cypress.

BEST GRADES, PERFECT WORKMANSHIP.

A. DIETSCH & CO. 615-621 CHICAGO, ILL.



THOSE FALLEN LEAVES

CAN BE KEPT OFF THE LAWN WITH LITTLE EFFORT IF YOU HAVE A

FINLEY ROTARY LAWN RAKE.



The Finley Rotary Lawn Rake in Operation.

It picks them up and holds them until you are ready to deliver them to your burn heap or compost pile.

The wind can't blow them about after once raked. It does the work much better than the hand rake, and does it three times as fast. It takes up grass, either long or short, twigs and loose litter of any kind, stones included, that a hand rake would not touch. It will save its

cost in 60 days on any good lawn. **Price, \$12.00.**

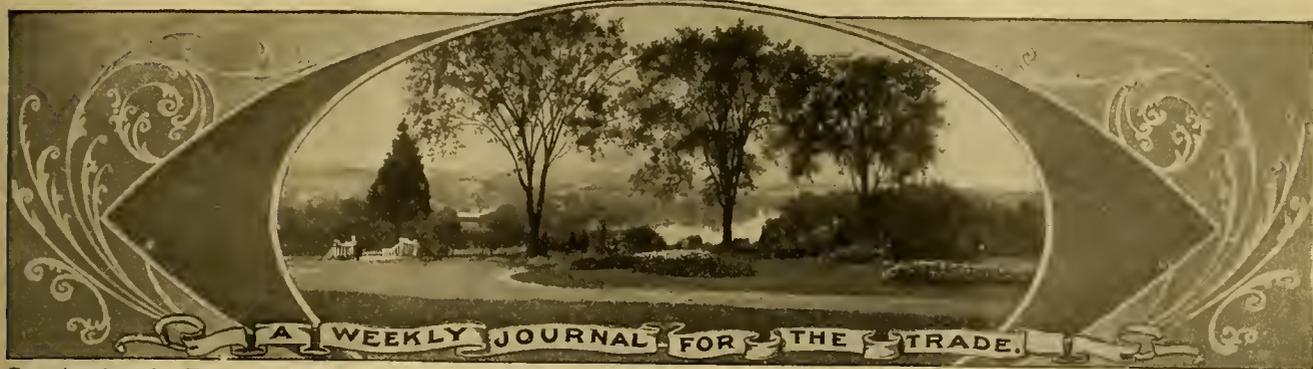
It was given a Certificate of Merit by the Society of American Florists at the New York Convention, the judges reporting that they "Believe it to be far superior to anything else in the market."

Send for Illustrated Circular.

FINLEY LAWN RAKE CO., Joliet, Ill.

TOLEDO, OHIO.—George A. Heini is felicitating himself over the fact that he has twenty-two greenhouses filled with as fine stock as ever grew and that all the indications point to a very good winter for business.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, NOVEMBER 3, 1900.

No. 648.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. Wood, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 87 Brumfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

Packing and shipping cut flowers.....	437
Treatment of carnation blooms.....	438
The Chicago poster (illus.).....	438
Aquatics and their winter protection.....	438
Horticultural Society of Chicago's prizes (illus.)	439
The season's work among cannas.....	439
Silver cup for a golden flower.....	441
A Californian flower show (illus.).....	441
Interest at Waban conservatories.....	441
English horticultural notes.....	442
With the growers—The Floral Exchange, Edgely, Pa. (illus.).....	442
New York.....	443
Boston.....	443
Philadelphia.....	444
Chicago.....	444
St. Louis.....	445
Cincinnati.....	445
Buffalo.....	445
It is up to the retailer.....	446
Society of American Florists.....	446
A question of ethics.....	446
Coming exhibitions.....	446
Greenhouse building.....	446
Chrysanthemum Society of America.....	446
Obituaries.....	447
The seed trade.....	452
Washington.....	452
The nursery trade.....	454
Toronto.....	454
Our pastimes.....	456
Cleveland.....	458
Indianapolis.....	460
Baltimore.....	462
Wheeling, W. Va.....	464
Elmira, N. Y.....	466

Packing and Shipping Cut Flowers.

[Read before the Chicago Florists' Club, November 2, 1900, by Walter S. Heffron.]

The subject of marketing cut flowers is one so broad, if treated in its entirety, embracing as it does business methods as well as how, where and when, that I scarcely believe it to be the committee's intention that I should attempt to solve problems over which many able men are, have been and will continue to study with all their strength of mind influenced by strongest self interest. In attempting to instruct how to place cut stock on a wholesale market in as perfect condition as possible, some few generalities will apply with equal force to all localities and conditions.

The shipping box is an important and much neglected feature. On its suitability much depends. The proper dimensions are not arbitrary and are wholly dependent on class and variety of stock to be shipped. Great depth, breadth and excessive length and weight are to be avoided. Depth because of pressure from weight on the lower part of the contents, also because of greater liability of stock heating in transit. Width because of unwieldiness. The various express companies as a rule have at the several points of transfer but a single employee to handle the packages and even where there are several it is rarely that more than one attends to the same package. A box, then, that is overly wide is a constant source of temptation. Nine times out of ten it will be on edge, with more or less disastrous result to the contents. Weight speaks for itself. Excessive length is open to the same general objection that attaches to great width with the added drawback that for all stock, save that particularly long stemmed, there is increased difficulty in properly securing it from shifting. Safe proportions for a shipping box, in my estimation, would be one ranging from six to ten inches in depth, never exceeding eighteen inches in width and three times the length of the stems of the stock packed in it. This proportion is for average general stock, roses, carnations, etc., and would not hold good for extra short or long, the exception proving the rule.

The box should have a fastening reasonably secure, but one that can be unfastened on arrival easily, quickly and without damage to the box or contents. Nails or screws should never be used, save possibly on special shipments, where, for good reasons, the regular box is not used. There is no necessity of

attempting to make a burglar proof box. The smallest loss a grower has is that of pilfering in transit, and a fastening that provides for a reasonable amount of delay in opening will safeguard that contingency. A tight fitting lid with one of the several good hasp devices or metal catches is excellent. Nothing excels a heavy sash cord or light rope of good quality. Straps are a nuisance, as the strain soon puts the hole in the wrong place for the tongue of the buckle and either the strap is soon ruined and worthless from efforts to remedy it or the cover is never tight enough to prevent the air from having too easy entrance.

The shipping box should always be lined with paper. Several thicknesses should be used. It not only acts as a cushion, equalizing the jar, but the dead air spaces so formed are the best non-conductors that could possibly be provided. Many growers use a lining during severe weather to keep out the cold. Is it not just as essential to prevent the penetration of heat? One is as destructive in its effects as the other; the remedy is the same. Nothing is better for this purpose than the ordinary newspaper.

In placing several layers of stock in the same box, always be careful to have them carefully separated and so separated that they can be removed at destination without destroying the layer as originally packed. Many use tissue or wax paper for this purpose. They are both unfit. Wax paper draws the tissue and ruins color, fragrance and texture of many kinds of flowers, and wax and tissue alike are so soaked by the moisture and drainage from foliage and stems above and below that they almost invariably give way with the weight of the layer. The result is one jumbled mass. Manila or newspaper in several thicknesses is the best, as they have strength enough to stand considerable strain and, being porous, they quickly absorb any surplus moisture, retaining same for a long period, providing a tempering of the enclosed air very beneficial on a long or hot trip.

In placing flowers in the box, care should be taken to place the deepest colored stock, where substance of flower is equal, in the bottom of the box, grading upward, the lightest colored or white on top, as colored stock will show the effects of weight and crushing less freely.

I will not go into the question of proper cutting and bunching. That is a local question and depends on the outlet. Some markets want carnations fifty to the

bunch, some twenty-five, some bulbous stock in dozens, others again in quarter hundreds, some heads even, some stems, and so on. These are all important points but I presume them to be known to the shipper.

All flowers after cutting and before packing should be placed in water long enough to ensure the stem having absorbed sufficient water to keep the flower fresh until arrival at destination and some hours after. Pots and jars that are used for that purpose must be kept clean and, if practicable, should never be used for any other purpose. Many flowers have been ruined from having absorbed oil and various chemicals through the water in which they were placed.

Particularly during hot weather do not freshly recut stems before packing, except where necessary to facilitate packing. The pores at the cut have partly closed, retaining the water. If recut the stem will drain and the flower be deprived of moisture and will wilt.

Lilies, chrysanthemums and other large-petaled flowers are better underdone than overdone on the hardening off side. The petals of such flowers, if full of water and chilled, at each jar and move are apt to crack or bruise; if soft and even inclined to wilt they will yield to movement and pressure, will show no trace of bruise or crack afterward and will straighten up under proper treatment in a short time. Many more can be packed in the same space, saving time, trouble and expense.

Stems of most annuals and perennials and other soft-wooded blooms should be cleaned of bottom foliage before being sent to market. Many become offensive within a few hours after being placed in water and the chance of sale is thereby lessened and the price lowered. Many, after reaching that stage, are so permeated with the odor that even if the stem be cleaned the flower or upper foliage retains so great a part of it that, notwithstanding the bloom to be perfect, it has gone past the selling stage. This should not be done, however, excepting for above-stated reason, unless it is to remove unsightly foliage, as many flowers absorb water nearly, if not quite, as readily through the leaf as through the stem.

The use of highly colored twine in tying bunched stock should be avoided. The dye nearly always runs when the bunch is in water, and the dye strikes in. The customer then insists that the flowers are old, when the contrary is the case. Take lily of the valley as an example. I have seen many dollars worth of value taken off of a shipment from this alone. The stems at the bottom, being bleached nearly white from forcing, are also soft and the dye from a blue, green or yellow string will run in the stem like ink in a blotter. On the contrary, some flowers should always be tied with string to match the stem in color; that is, of course, where the bunch goes to the customer as originally tied.

Violets, lily of the valley, most bulbous stock and any easily wilted flower should have a quantity of moist tissue paper wrapped around and over the end of the stems. Smilax is better sprinkled and should always be rolled singly. Asparagus plumosus and A. Sprengeri will ship best and keep better afterward if kept perfectly dry.

A safe rule is to never sprinkle any flower for shipment. The foliage only should be freshened and that, in the majority of cases, but sparingly. The

only exception to this that comes to mind at present is the poinsettia, and that which we call a flower is really not the flower at all, simply highly colored foliage surrounding the flower proper and which retains all its leaf characteristics.

Treatment of Carnation Blooms.

Mr. Rudd's remarks on the treatment of carnation blooms are very good indeed. Am afraid I cannot improve on them, or give any additional information. As he says, I think the temperature in which to place carnations should be about 50°, and the room clean, dry



THE CHICAGO FLOWER SHOW POSTER.

and well ventilated. A refrigerator, cooled by ice, is most assuredly the worst place imaginable in which to keep stock and have it preserve its appearance and quality after removing. The atmosphere is very damp, and consequently damaging to the carnations. When taken into the outside air, the moisture rapidly evaporates, causing the flowers to dry up and go to sleep. For this reason, as well as others, the cold storage room is a vast improvement over the refrigerator.

A cool, well-ventilated vault is about the best place in which to keep carnations, but in the city, vaults are not generally a success, owing mainly to bad, impure air and lack of proper ventilation. Where these vaults are situated in the country, there is certainly no better place to develop and store carnations before sending to market.

Oftentimes the reason carnations cannot be kept a greater length of time is that the growers are apt to cut their stock too fully developed. They naturally expect the flowers to reach their destinations in as good condition as when shipped, whereas, when they arrive at the dealers, they deteriorate instead of improving. If cut sometime before maturity and allowed to stay in water for several hours before shipping they will invariably improve and appear to better advantage after the dealer receives them.

I think if the growers kept more in touch with the market it would help them a great deal in the manner of cutting and shipping their carnations and be bet-

ter for both growers and dealers in general.

SAMUEL S. PENNOCK.

With reference to the temperature calculated to keep carnation flowers best and longest, I am constrained to endorse Mr. Rudd's remarks in every respect except temperature, and as we have not conducted any experiments along temperature lines, I do not feel competent to discuss it. But in a general way I consider W. N. Rudd's statements as very probable; we have practiced the very principles he stands for. We keep our carnations and all flowers in a large, airy cellar, avoid putting them in an ice box, try and have at all times a good circulation of fresh air, and above all things to avoid a close, stuffy atmosphere, and are far better satisfied with flowers so kept than when we kept them in a large ice box we have. The cellar is about 24x30 and flowers keep remarkably well.

GEO. F. CRABA.

The Chicago Poster.

The poster has become an institution of the annually recurring exhibition of the Horticultural Society of Chicago. That of 1900, a reproduction of which in black and white is shown on this page, is the work of A. E. Philbrick and was lithographed in colors by Phillips, Greenwood & Schmoel.

Aquatics and their Winter Protection.

At the close of a most unusually hot and trying season for all decorative flowering plants no one can but admit that aquatics have stood the ordeal the best of all. During the hottest weather they can be relied upon to produce a magnificent display of gorgeous coloring, and not only coloring, but magnificent individual flowers, bold and massive, unique and rich and delicate in coloring. The conditions under which these flowers have been so satisfactory only enhances their popularity, the cultural methods are so simple. The amount of labor bestowed on them is less than is necessary on any other equal space, while no comparison can be made as to the results. These plants are in greater demand every season and of some varieties the supply is not equal to the call.

Cultural notes have been written in these pages time and again, yet it requires something of an object lesson to demonstrate their practical features. It is gratifying to note an increasing demand for cut blooms of nymphæas, and that florists have been in daily receipt of first-rate specimen flowers. During the season hundreds and even thousands of these flowers have been used for decorations on special occasions. They have also been much in evidence at various exhibitions during the summer, and our public and private gardens manifest a greater interest in this class of plants—neither is the demand limited to our own land, for all Europe is intensely interested in aquatic plants and foreign markets are drawn upon as the call is greater than the supply.

The past season has seen the introduction of several novelties, and these include some fine American varieties, both hardy and tender. Among the hardy kinds Nymphæa William Falconer, intense light garnet, is pre-eminently the largest and richest dark colored variety in cultivation. The stock of this variety is limited and will command a high price for some time. Nymphæa gloriosa is one of the very best of French introductions. It is

of the Marliacea type, color rosy to dark carmine, a very symmetrical, full flower. *Nymphæa Aurora*, yellow to carmine; *Nymphæa Andreana*, beautiful red and orange; *Nymphæa Lucida*, an exquisite variety, rosy vermillion, outer petals light rose, are all worthy novelties. A number of French varieties are variable in color, changing from light to darker colors; such are very pleasing, even fascinating.

Nymphæa William Doogue is a superb, massive flower, color a very pleasing soft pink, very highly esteemed. *Nymphæa William Stone*, a hybrid of *N. gracilis*, has flowers eight to ten inches across, violet blue shaded amaranth; flowers open all day and first rate for cutting. The list of new varieties grows rapidly, but it is gratifying to note the advancement and the improvement along this line, especially new and unique coloring which a short time since was inconceivable.

The general advancement in the line of culture is very noticeable. Many who made a trial with a few tubs have arrived at a stage when, by experience, they find that a tub twenty-two inches to twenty-four inches in diameter is by far too limited a space in which to grow a good water lily. They are not content with small or moderate flowers or such plants after seeing the large specimens in public and other gardens where *nymphæa* leaves are to be seen twenty to twenty-two inches across and flowers ten to fifteen inches in diameter. More commonsense methods are now adopted in the culture of aquatics. A few years ago running water was considered necessary, or there would be stagnation, malaria, mosquitoes and other pests, but this fallacy has long since been dispelled. Plant life in the water oxygenates and purifies the water as do plants and trees the air we breathe, and fish destroy insects, so running water is no longer advocated by practical cultivators.

Now that the season is over, although drawn out unusually late, and numerous flowers are yet to be seen, it is full time that all plants required for stock should be housed, or everything in readiness for security against a sudden fall in temperature. After the first freezing, or even after a period of low temperature, it will be wise policy to remove them to safer quarters.

Where hardy varieties are in water of sufficient depth to be below freezing they will need no further protection, but where choice hardy varieties are grown in an artificial pond and it is necessary to draw off the water to preserve the masonry, the best way, or a very good way, at least, is to dig up the plants and pack them pretty closely together in a box and place this in a pond in water of a sufficient depth to be secure against freezing. If no such pond exists the roots may be packed closely together in a tub and covered with water and kept in a cold house, or even sunken in the ground and covered with boards, covering these in turn with leaves and litter.

The tender varieties that have flowered freely all summer are difficult to keep over unless they can be placed in a tank or shallow pond in the aquatic or other house, where they can be kept in a quiet state, not growing, yet not cold, so as to lose all leaves, such conditions to continue until the days lengthen. Where no tanks are available, and the resources of a greenhouse are at command, then, after the plants are nipped by frost, trim off most of the leaves and roots and remove the stool with a fair amount of soil



SOME PRIZES OF THE HORTICULTURAL SOCIETY OF CHICAGO.

around it and plant it under the bench near the walk; give a good soaking of water to settle the soil and keep the leaves in as fresh a condition as possible for a time. It will be unnecessary to give another watering. Let the plants, with the tubers attached, if any, dry up. The central crown will surely die, but the side shoots will ripen good tubers. An examination may be made after a few weeks, and where the roots and leaves or leaf stalks have decayed the soil may be pressed in and around firmly, but the main thing will be to keep them dry and yet not so dry that they will shrivel. In this condition they may remain until spring. These remarks apply to all the night-blooming varieties that form compound tubers, but not to the Zanzibar and other African or blue water lilies, unless they are small plants in from 4-inch to 6 inch pots. Plants in these sized pots can be readily placed in a tub of water under the bench.

Nelumbiums in tubs must be protected against freezing. Either sink them in the ground and protect, as before recommended for *nymphæas*, or keep in a cool house where they will not freeze. Where growing in an artificial pond it will be prudent to protect the masonry where frost is likely to be severe, remembering that the nelumbiums are safe only as they are below the frost line. Muskrats must be hunted down and destroyed if you value your water lilies.

WM. TRICKER.

Horticultural Society of Chicago's Prizes.

The illustration herewith presented is from a photograph of the silver and cut glass trophies offered as premiums by the Horticultural Society of Chicago for competition at the exhibition next week.

The most valuable of the prizes is the sterling silver service of five pieces, offered as the first premium in the competition for table decorations, the exhibits to be re-arranged each day, and the exhibitor scoring the highest average number of points to win.

The second prize in the competition for table decorations is the pair of splendid cut glass florists' vases shown upon either side of the silver service. These vases cost the society \$90.

The sterling silver cup donated by C. D. Peacock and offered for the best twelve blooms of a rose never before exhibited in this country is shown stand-

ing in the center of the tray which is a part of the silver service.

The Season's Work Among Cannas.

The blooming season for cannas is now over, the recent frosts having checked the growth and spoiled the bloom. The conditions from planting time to date were very favorable, as we were favored with plenty of heat and moisture. During the extreme hot weather in August we had a good opportunity to note the enduring qualities of the different varieties. The following were ahead in this respect: Buttercup, Gloriosa, West Grove, Conqueror, Egandale, Admiral Schley, Queen Eleanor, President Cleveland, Luray, Martha Washington, Philadelphia, Souvenir de Antoine Crozy, Florence Vaughan, Winona, Niagara and numerous unnamed varieties under numbers; also Queen Charlotte. The growth of the plants was above the average, especially the dwarf varieties. The amount of bloom for the season was enormous and not exceeded in any year since we have grown cannas in quantity. Following is a list of the leading varieties noted:

Abraham Lincoln, color deep crimson; large flower and truss; height six and one-half feet.

Alphonse Bouvier, this old favorite wilted in the August sun but showed up well the latter part of season; six feet.

Albino, color pink and white; three feet.

Augusta, gilt-edged, large; three feet.

Alfred Tennyson, clear pink; five feet.

Alsace, cream white; four and one-half feet.

Admiral Schley, large, gilt-edged; two feet.

Annie Laurie, pink, white throat; four feet.

Black Prince, crimson maroon, flower very large, early and very free; six feet.

Buttercup, deep, rich yellow; the best of its color on our grounds; three feet.

Baltimore, bright red, large, early; three feet.

Brilliant, yellow, lower petals striped maroon; five feet.

Blazing Torch, red; four feet.

California, large, orange, rather flimsy petals; four feet.

Chicago, scarlet; four and one-half feet.

Charles Henderson, bright red; four feet.

Conqueror, largest gilt-edged, very

early and enduring; three and one-half feet.

Champion, large, scarlet; four and one-half feet.

Comte de Bouchard, spotted yellow; four feet.

Coronet, pure yellow; four feet.

Duke of Marlborough, crimson maroon; four feet.

Doctor Nansen, pure sulphur yellow, early and very free; three feet.

Duchess of Marlborough, clear pink, poor for field culture; four and one half feet.

Enchantress, pink; four feet.

Egandale, cherry red, bronze foliage, early and very effective; four feet.

Eldorado, yellow lightly dotted; four feet.

Flamingo, red, very early; three and one-half feet.

Florence Vaughan, yellow, spotted; five feet.

Fairy Queen, yellow, mottled; one and one-half feet.

Fair Persian, pink and orange; four feet.

F. R. Pierson, red, yellow throat; four feet.

Favorite, cherry red; three feet.

Florida, Queen Charlotte type; three and one-half feet.

Gloriosa, large, gilt-edged; has surpassed all former records this season; two and one-half feet.

Giant Crimson, large flower, enormous trusses; five feet.

George Washington, very large, velvety red, very early and most effective; three and one-half feet.

Janus, yellow, spotted, large; three feet.

Jacksonii, clear cherry red; three feet.

Lorraine, pink, yellow border; four feet.

Luray, pink, early and very free; four feet.

Maiden's Blush, Daybreak carnation color; three and one-half feet.

Mme. Crozy, the standard variety; four feet.

Mme. Molin, clear red; four feet.

Mlle. Berat, the French pink; five feet.

Martha Washington, large, clear pink, erect head, very effective; four feet.

Mt. Etna, Philadelphia red, bronze foliage, early bloomer; four feet.

Mrs. Fairman Rogers, gilt-edged; three feet.

Montana, cream white, large; three and one-half feet.

Niagara, very large, gilt-edged, perfect form, color deeper than Gloriosa; three feet.

Orange Queen, pure orange; two and one-half feet.

Othello, orange scarlet, bronze foliage; seven feet.

Olympia, violet pink, early; four feet.

Philadelphia, clear red; four feet.

Paul Marquant, orange scarlet; four feet.

President McKinley, bright red; three feet.

President Cleveland, scarlet; four and one-half feet.

Pillar of Fire, bright scarlet, early and very free bloomer; seven feet.

Primrose, light yellow; four feet.

Pink Ehmani, pink; five feet.

Queen Charlotte, gilt-edged; four feet.

Queen Eleanor, yellow, spotted; three feet.

Queen of Holland, pure orange, large, large bronze foliage, very free; four feet.

Rosalba, pink and white; four and one-half feet.

Rosemawr, large, pink, enormous trusses, early and very free; four feet.

Robert Christy, orange scarlet, early and free bloomer; five feet.

Shenandoah, pink, bronze foliage, a new shade in this class; four feet.

Starlight, cream white, large; four feet.

Sunset, yellow, deeper center; three feet.

Sam. Trelease, scarlet, yellow edge; three and one-half feet.

Souvenir de Antoine Crozy, bright gilt-edged, very free; four feet.

Topaz, light yellow; three feet.

Triumph, bright scarlet; three feet.

Winona, violet pink, yellow border, immense trusses; five feet.

West Grove, coral red, early, very firm flowers and foliage; six feet.

Zephyr, pink, dwarf; two feet.

Miss Kate Gray, deep orange, gold-veined, flower very large, foliage immense; six feet.

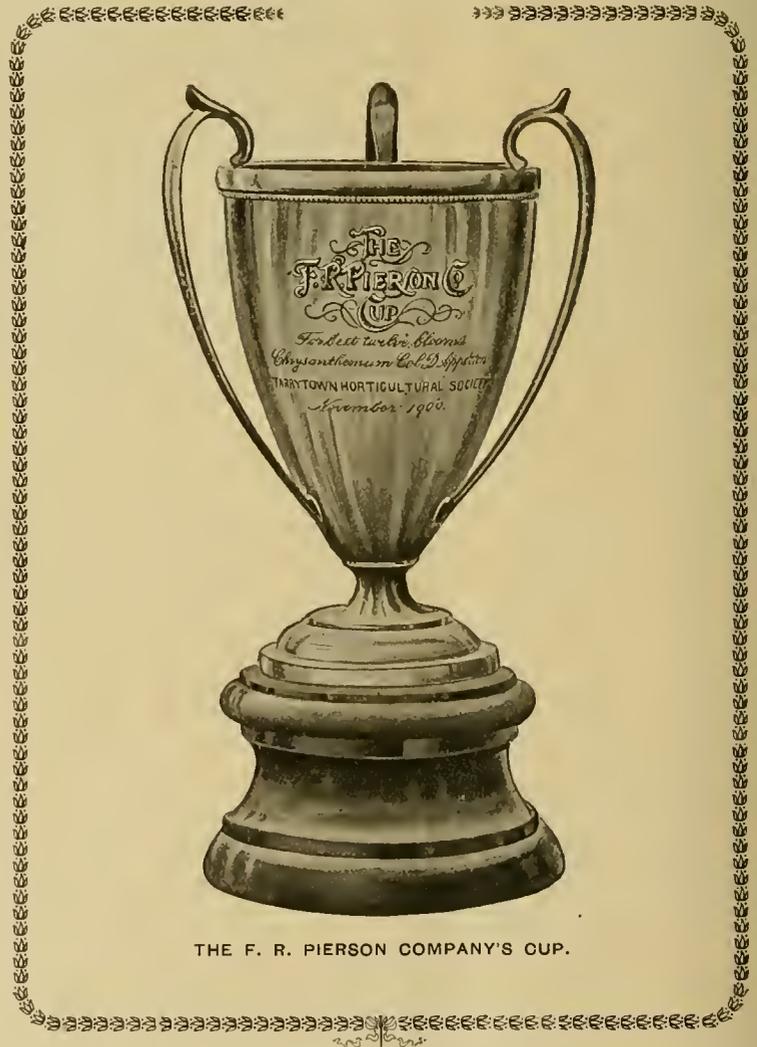
Pennsylvania is a new hybrid orchid flowering variety, color clear, pure scarlet; size the largest to date; foliage massive; height seven feet.

Allemania, Austria, Burbank, Italia and Partenope, orchid flowering varie-

duced the greatest amount of bloom and endured the extreme hot weather better than the orchid flowering varieties. The hybrid orchid flowering varieties Pennsylvania and Miss Kate Gray are a decided advance, having more substance in the flower, combined with a freer blooming habit.

In the bronze-leaved section several remarkable breaks in color and form have been produced. A new shade of pink, orange and pure yellow are numbered among the novelties of 1900. Only one of these will be offered in 1901. In fact, advance has been made all along the line. Those who imagine that there has been no real advance made in American varieties need only compare these side by side with the best European varieties.

And the development of the canna is only in its infancy. It is a plant easily grown from seed. Our best American strains will begin to bloom in seventy-five to ninety days from the time seed is planted. Our batch of seedlings, about 18,000, were started in the greenhouse from May 10 to 15, and as soon as they



THE F. R. PIERSON COMPANY'S CUP.

ties, all made a good growth and produced a fine crop of flowers which showed off well in the morning and on cloudy days.

From the middle of July to the close of the season, October 15, the American grown named seedlings and a limited number of the European varieties pro-

were up about an inch or two they were potted into 2½-inch pots. The second week in June they were planted in the field. They gave us an average of two months of bloom this season. The most of them were very good and a few were an advance on existing varieties. Developing seedlings is slow work and



CHRYSANTHEMUMS AT SANTA BARBARA, CAL., UNDER CHEESE CLOTH SHADING.

quite an expense, as the numbered varieties are usually tested three years in the field before they are placed on the market.

ANTOINE WINTZER.

Silver Cup for a Golden Flower.

The feature of the approaching exhibition of the Tarrytown Horticultural Society, November 7 to 9, promises to be the competition for the silver cup offered by the F. R. Pierson Company for the best twelve blooms of Col. D. Appleton chrysanthemum. The gardeners upon the estates of half a dozen multi-millionaires near Tarrytown are after the trophy and some splendid blooms are sure to be staged. Col. D. Appleton is a magnificent Japanese incurved variety introduced last spring and many good judges esteem it the best yellow to date. It originated with J. R. McDonald, Riverdale-on-Hudson, N. Y., who sold the stock to the Pierson company. An illustration of the cup offered at the Tarrytown exhibition is herewith presented.

A Californian Flower Show.

The first chrysanthemum show at Santa Barbara, Cal., was held in early October, and the flowers which were staged were a credit to the growers, as the accompanying illustrations will show. The flowers were grown outside, with cheese cloth shelter. In form and color the blooms were very fine, with good stems and foliage.

The principal white varieties were Mrs. Robinson, Marie Louise, Queen and Mrs. Jerome Jones; in yellows, Golden Wedding, Modesto and Bonnaiffon. The pinks were fine and rich in color, Mrs. Perrin, Queen of Plumes, Princess and Eda Prass being shown in the class for single flowers.

W. H. Morse, gardener to C. B. Hale, captured the Dreer prize with three fine vases of Marie Louise, Phenomenal and Golden Wedding. In the class for fifty blooms in one vase W. H. Morse was first with Phenomenal and a few blooms of Marie Louise to break the color. W. Adair was second with Mrs. H. Robinson. J. McLeir, gardener to W. P. Gould, was third.

The Chamber of Commerce put up two fine cups for first and second for the best display of plants and flowers staged for effect, to cover 100 square feet, and this was left to the trade. W. Adair staged

a fine table, well built up, and captured first; Mrs. Helmer, second, and Dr. Franceschi, third.

We had an exhibit of palm leaves with the fruit attached, each one labeled. This exhibit came from J. W. Gillespie. There were sixteen species and eighty-three varieties and this did not include many choice varieties which Mr. Gillespie owns but which were too small to cut leaves from. This exhibit won a well earned special prize.

M.

Interest at Waban Conservatories.

The new 700-foot houses at Waban Rose Conservatories, Natick, Mass., have been a center of interest since their completion and scarce a day passes without seeing a number of visitors. One of the problems in connection with such long houses that seems to interest visitors especially is that of expansion and contraction of the steam pipes. These are arranged to run on iron spools instead of the usual supports, and midway of the house a brass socket and plunger has

been inserted at one of the joints, which accommodates itself automatically to the varying changes of length caused by fluctuations of temperature. Mr. Montgomery finds that the maximum expansion at fifteen pounds of steam is five and one-half inches.

These houses have been planted, one with Liberty and the other with American Beauty. It is acknowledged that the cutting of flowers from Liberty up to the present time is unwise. It is a rose the season of which will be from November till May and the intervening months should be devoted to getting a good, strong growth on the plants. The strength thus acquired would enable the rose to better withstand the attacks of black spot, a disease to which it appears to be very susceptible, and the reputation of the variety would be conserved by withholding it from the public during a season when its flowers are almost worthless. Those on their own roots appear almost free from black spot, the trouble being confined to the grafted stock.

American Beauty looks promising. A part of the stock is last year's, the roses having been replanted in fresh soil and cut back in July. The expense for new plants is thus saved and there is the additional advantage of being able to run the houses to cut from all through June, a good month always for high grade roses. These cut-back plants are now coming into flower nicely.

As usual, there are several houses of very handsome Brides and Bridesmaids, the two-year-old stock being especially fine just at present. Where the plants are older than two years they are tied down instead of being cut back. These latter are not so forward as the others. Mildew, which is so generally seen on roses coming to the market just now, is absolutely invisible. It is an unvarying doctrine with Mr. Montgomery that mildew is as bad as fire. It is a doctrine worthy of wide dissemination.

One lean-to house with a brick back wall is to be planted with Cornelia Cook. This same house turned out unrivalled specimens of this old favorite rose for many years in the past and it is believed



CHRYSANTHEMUMS STAGED AT SANTA BARBARA, CAL., IN EARLY OCTOBER.

there is still room in the market for a few of the same class.

Chrysanthemums are several days later to bloom than they were last year and have required much watchful care during the dark, foggy weather we have been passing through. Two old rose houses that are now used as grafting houses in the grafting season are filled with chrysanthemums to occupy the time in which the houses are not in use.

English Horticultural Notes.

Salvia splendens grandiflora was well shown at the Royal Horticultural Society's meeting October 9, also *S. grandiflora nana*, but I should not recommend the latter, for almost all the flowers dropped when removing the plants after the meeting; in fact, the ground was covered with fallen blooms before the plants were touched. The *grandiflora* seemed to stand better and is certainly the finest

Michaelmas daisies have been extensively shown by several growers and some very good things appear among the new varieties. An interesting collection of nerines came from H. Elliott, including some new varieties, but, though very pretty, they failed to gain certificates. J. Williams staged some fine plants of chrysanthemums, including a yellow sport from Lady Fitzwygram, named after the exhibitor. This gained an award of merit. This was the only variety to receive distinction from the N. C. S., which awarded it a first-class certificate.

Some very fine tritomas were shown, *T. Leichtlinii aurea* and *T. Triumphi* gaining certificates. *Dracæna Offeri* is a very neat growing, highly colored, narrow leaved variety making a very handsome table plant. About two dozen varieties of *houvardias* were exhibited by H. B. May, dwarf, bushy plants which had evidently been grown well exposed

only gold medal awarded for a chrysanthemum exhibit went to Wm. Godfrey, of Exmouth.

Gold medals were awarded to J. Laing & Sons and Spooner & Son for very fine displays of fruit. A gold medal was also awarded to H. J. Jones for a large group of flowering and foliage plants, begonias being very prominent. The exhibit also included a good collection of early flowering chrysanthemums cut from the open ground, which had been grown without being disbudded. I noted the following as being very fine exhibition varieties of chrysanthemums: *Soleil d' Octobre*, *Mutual Friend*, *Mme. Von Andre*, *Mrs. Combes*, *Miss A. Byron*, *Lady Cranbourne*, *Reginald Godfrey*, *R. H. Pearson*, *Lord Coleridge*, *L. Humphreys*, *Attraction*, *Mrs. White Bopham* and *Triumph*.

Begonia Caledonia is now being distributed and we shall soon see what the various growers can make of it. From the appearance of plants received I think it will prove equally as free as the type. The foliage being exactly like its parent, it will have to be labeled when it is necessary to distinguish one from the other when not in flower. It will undoubtedly become a plant of the future, for, although there are several good white begonias, the fact that the flowers hold on so well will ensure this becoming a favorite. I find female flowers are more numerous than in *Gloire de Lorraine*, and it will be interesting to know if they are likely to prove fertile. H.

WITH THE GROWERS.

THE FLORAL EXCHANGE, EDGELY, PA.

The illustration on page 443 is from a photograph showing a partial view of the thirty-five greenhouses of The Floral Exchange, of Philadelphia, located at Edgely, Pa., and which have become noted as the home of the new rose, *Queen of Edgely*, the pink *American Beauty*. The large houses to the left in the view, of modern construction, thirty feet wide and 225 feet long, are the palaces of the "Queen." These houses are noteworthy for the light construction and also for the glass, 16x24, all being set the twenty-four inch way. It is the rule of the firm to experiment carefully on a small scale before adopting anything new and three years ago they tried this plan on the range to the right in the view, finding only ten lights broken in 10,000 feet in three years.

The three large houses in the center of the view were built this year and are called the Colonial house, as thirteen beds, each named after one of the original states, are planted with *Brides and Bridesmaids*. This house, of which an interior view is given, replaced five of the oldest houses on the place. It is eighty feet wide and 100 feet long, with iron gutters and iron supports, making it as light as day. In constructing this house, old glass 12x16 was used on the north and new glass, 16x24, on the south side, set the twenty-four inch way. The use of material from the old houses brought the cost of the house down to a little over one-third of the cost of a new house, and it is infinitely superior to the old houses, requiring 2400 feet less piping than in the old range.

The entire establishment is given up to roses, Meteor for some years being a specialty. There are many novel features on the place, the arrangement of heating appliances being of much interest to par-



QUEEN OF EDGELY ROSE.

variety of the winter flowering salvias we have. *Ficus radicans variegata*, was exhibited in pots and baskets by Hill & Son and it is a most effective plant.

Captain Halford contributed a splendid collection of autumn-tinted foliage, certainly one of the brightest displays we have ever seen. The bright, rosy tinted foliage is coming much more in use than formerly and I might here mention that the chrysanthemum exhibits arranged for effect with colored foliage were a great feature at the National Chrysanthemum Society's October show.

to the sun. If growers would bear in mind that they cannot have too much sun, and that they like plenty of air, *bouvardias* would be more appreciated and would flower pretty well throughout the winter. Another cactus *dahlia* received an award; it was named *Venus*, by far the finest white yet seen.

The October show of the National Chrysanthemum Society was generally considered the best early show the society has ever had, but, as mentioned before, there were few new varieties of note. *Ettie Mitchell* may be regarded as a useful early variety for market work. The



NURSERIES OF THE FLORAL EXCHANGE, EDGELY, PA.

ties who are troubled with water in fire holes. This being a source of much annoyance for many years, all the returns are now run back by gravity to a receiving tank and lifted by a small pump, working automatically, into the different boilers, all of which are several feet above the level of the pit. The boilers aggregate about 700 horse-power and the reserve coal pile is 500 tons, the wisdom of which was proved during the present coal strike.

The superintendent has devised a novel appliance, by which an electric bell in his bedroom notifies him when the steam on the boilers gets above or below specified points. The cooling room, of which a full description, with plans, was given in our issue of August 18, is a most important adjunct to the establishment, which shows in every detail and arrangement, much thought for the handling of a large business. Records are kept of the cut of every house, by which it is easy to learn in a moment the cut of any house for any day in the year, or for any part of a day, if desired.

The nurseries were founded in the early seventies by the late Dr. Edw. Morwitz and later carried on by his son, Jos. Morwitz, under the management of D. Fuerstenberg. At present, The Floral Exchange is an incorporated concern, of which Mr. Fuerstenberg is president and H. C. Geiger, is secretary. Harry Simpson, who discovered the pink American Beauty in the Edgely nurseries, is the superintendent. Plans are now being made for the addition of 25,000 feet of glass in a single house on the lines of the Colonial house, which so far proves to be a fine house for roses. By purchasing the materials in the winter and getting everything painted and cut to shape, the firm finds that a very considerable saving is made and the house erected in good time for early planting. K.

New York.

NO RELIEF FOR THE CONGESTED MARKET.—TOO MANY FLOWERS AND TOO FEW BUYERS.—ROSES SUFFER WORST OF ALL.—NO FIXED VALUE FOR ANY LINE OF STOCK.—VARIOUS NOTES.

No rift appears yet in the clouds, either the material ones or the symbolic, and as the colored roses grow paler and softer under the effect of continued cloudy skies, so also do spirits droop and patience flag under the influence of an overloaded and unresponsive market. There is practically no change in market conditions from those indicated in our brief

note of last week. So monotonous has this state of affairs become that the apathy of buyers is no longer remarked and the prevalent dullness has ceased to be a matter of discussion when dealers meet.

On chrysanthemums, with the exception of a limited number of large specimen blooms there is no fixed value. They are now coming in by the thousands, the varieties bringing best price being Robinson and any good yellow. A few Bonnaffons, Ivorys and Pink Ivorys are beginning to show up. All roses are suffering severely from the unfavorable weather. Beauty is still a laggard, values having now dropped on all grades and on other varieties a price of \$4 to \$5 a thousand in bulk as received from the growers is a not uncommon price.

Carnations are becoming more plentiful every day and, from all accounts, there will be more than enough of these and yellow chrysanthemums to supply all demands for the paraders on Saturday. Violets continue far below the standard of valuation for this time of the year, the bad weather injuring their sale for street wear. A very few especially fine blooms in bunches of 100 are bringing, with an effort, \$1.25 to \$1.50 per hundred. The balance will not average over one-third that figure.

Lily of the valley is being received in enormous quantities and moves only at prices too low to be mentioned. Cattleyas are scarcer and have advanced in price. *Dendrobium formosum giganteum* is abundant at low figures.

The "plan and scope" committee of the

New York Florists' Club met on Monday evening and organized permanently with Walter F. Sheridan for chairman and Alex. Wallace, secretary. A sub-committee was appointed to look into the matter of securing a suitable building in which to hold an exhibition in 1901.

Boston.

MARKET OVERLOADED WITH ALL CLASSES OF MATERIAL—BIG ORDERS MAKE NO IMPRESSION ON STOCKS ON HAND.—CHRYSANTHEMUM SHOW SCHEDULED FOR NEXT WEEK.—NOVELTIES TO BE SHOWN.—VARIOUS NOTES AMONG THE TRADE.

Enormous quantities of flowers are piled into this market daily at present, far in excess of the necessities, and the only disposition possible with much of the stock under the very weak demand now existing is through the medium of the street boys at prices that are unquotable. The wholesalers are doing all they can with the situation, holding the stock and caring for it so long as it keeps presentable before sacrificing it, in hopes that a change in weather or diminution of the supply through some means may offer a way out of the difficulty, but the greater part of it has to go eventually at anything it will bring. Two large orders in one establishment, one of them for 10,000 roses, were filled without making any noticeable impression on the accumulated material and either of the orders might be duplicated several times from the stocks on hand.

Next week is the time set for the annual chrysanthemum show at Horticultural Hall. No doubt it will be equal to any of its predecessors and will be visited by many strangers. Among the novelties exhibited will be the Queen of Edgely rose from the Floral Exchange, of Philadelphia, and Begonia Caledonia from R. & J. Farquhar & Co. It will be the last chrysanthemum show in the old halls. There was a small exhibition last Saturday, when M. H. Walsh again showed his new rose, Flush o' Dawn, and Mrs. Gill exhibited a group of chrysanthemums. George Hollis showed flowers of Chrysanthemum Peerless.

M. B. Bunker, who has conducted the flower stand in the Parker House for a number of years, is about to open and move to a new store at the corner of Beacon street and Tremont place.

N. F. McCarthy has sold a large tract of land which he purchased at Egypt, Mass., a few weeks ago, at an advance of fifty per cent on the price paid.



INTERIOR VIEW OF THE COLONIAL RANGE AT FLORAL EXCHANGE NURSERIES, EDGELY, PA.

A complimentary dinner was given on November 1 to Ed. Hatch, at the Quincy, by a number of his horticultural friends.

E. B. Wallace, of Pote & Wallace, at Somerville, has sold out his interest in the business to his partner.

Wm. E. Doyle is a candidate again for the nomination of Mayor of Cambridge.

Visitors: E. J. Harmon and Niles Nelson, Portland, Me.; E. H. Giesy, Lockland, O.; A. T. Boddington, N. Y.; Charles Ball and son, Philadelphia.

Philadelphia.

WARM WEATHER FORCES STOCK ALONG AT A GREAT RATE.—ACCUMULATIONS INEVITABLE AND PRICES WILT.—QUOTATIONS FOR GILT-EDGED STOCK — THE LIBERTY ROSE PROMISING WELL — VARIOUS NOTES.

Things are going from bad to worse, there being nothing in the shape of cool weather to hold the flowers in check. The plants are blooming away without seeming to care what is to become of the buds, and causing their owners any amount of trouble. The cold boxes are everywhere full to the doors and the only happy faces are those of the takirs, who are fattening their bank accounts at a great rate. Violets, American Beauty roses and carnations are their favorites and the great armloads and basketsful they carry about the streets are a sight to behold. As to prices, they are knocked into "smithereens." No reasonable offer is refused, as the accumulation must be moved somehow. To add to the load, the chrysanthemums are now putting themselves forward and trying to get to the front. They have succeeded in a measure, as the windows in most of the stores are filled with them. Some dealers, however, draw the line at the chrysanthemum as a window flower, keeping this important section for choicer stock, such as Beauties, orchids and violets.

Trade the past few days has been very quiet, nearly all the retailers complaining. There were some coming-out teas last week, but they seem now to be postponed for awhile. Nobody sees much in sight until after the election, which event, if Bryan and McKinley are elected, will no doubt give all hands a busy season. Prices, that is those asked, are about as last week; \$3 to \$5 for teas; \$1 to \$3 per dozen for Beauties. This is for gilt-edged stock and anything just short of this goes begging and can be had at job lot prices. Carnations are also slumpy in price and \$1 to \$1.50 will buy about the best, although a few extras bring a little more. Lily of the valley sells for \$3 to \$4, but for the latter figure it must be extra fine. Violets can be had for almost any price; 50 cents is about high for good doubles, while the singles are very cheap. Chrysanthemums are coming in very fast and prices are sagging in consequence; they range from \$4 to \$20 per hundred, the latter price for the extra choice.

The Liberty rose seems a lively topic just at present. The past week has seen quite a few more of the flowers about and some good stock is to be had. Growers say that the plants have improved considerably of late and now look very promising. Meteors have been exceptionally good this fall, and at this stage it takes a good rose to beat them; in fact they have ranked next to Beauty, but from now on the bull-heads will commence to appear and, as the Liberty will get better as the plants grow stronger, it is claimed it will more than satisfy those who have had the faith to try it.

Plants in flower are a little late, but the stocks of the various growers look well, although not over-abundant. Robert Craig's house of Begonia Gloire de Lorraine is a sight worth going miles to see. The plants are a very even lot and are rapidly coming into flower. A house of cyclamens also looks well.

The Pennsylvania Horticultural Society's fall show promises well. Secretary Rust says the entries are coming in fast and that the quality of the flowers and plants shown will be fully up to the average of previous seasons. K.

Chicago.

MARKET OVERBURDENED BY THE UNPRECEDENTED CUT OF ROSES.—AMPLE SUPPLIES IN ALL LINES—HEAVY BUSINESS FROM THE SOUTH.—ROSES BY THE CARLOAD.—EVERYTHING PROPITIOUS FOR THE FLOWER SHOW.—PLANS FOR THE CLUB BANQUET.—CHANGES IN THE WHOLESALE MARKET—VARIOUS ITEMS OF VARYING INTEREST.

The glut! The glut! Not in many years has this market been so clogged with material as within the past ten days. Roses, in particular, have been in tremendous over-supply and the growers have received very inadequate returns. It seems that every rose house in this territory, and there are a great many more of them than there were last year, is in full crop, because of the warm and pleasant weather. The result is that, although sales are large, the legitimate demand makes very little impression upon the unwieldy bulk of each day's consignments. Any wholesaler or commission man can these days supply a thousand roses and never miss them from his stock. The result is that the fakir is a man of eminence in the community. The All Saint's day demand from New Orleans came as a saving clause on Monday, and it is estimated by good authorities that that day's shipments were as great in bulk as those of any one day in recent years. Every house in town enjoyed its share of the business, but while it was necessary that the Illinois Central put an extra express car on each of its south-bound trains Monday night, the demand was not sufficient to produce any effect on market prices; it merely served to clean out the market fairly well for one day. Even with nearly two carloads of roses going out, it was not necessary for any wholesaler to make extra effort to fill his orders. The only skirmishing required was in connection with the orders for chrysanthemums, some of which ran up to 1,500 blooms. Carnations are holding their own much better than roses but chrysanthemums are suffering. The warm weather has brought along the crop with remarkable rapidity in the last few days, and prices have gone down proportionately. Extra fine stock still commands \$4 per dozen, and on Wednesday ten blooms of Col. D. Appleton sold for a five-dollar bill, but the general tendency has thus far been downward. There is this about it, however, if the warm weather continues the chrysanthemum crop will be out of the way quite a little earlier than usual. Violets are not cutting so much figure as they did a few days ago. The storm of Halloween night cleared off cold and every one is hoping that the seasonable weather will remain with us; it will cut down production, improve qualities, add life to trade and strength to the market.

Last Sunday morning the mutilated body of Anton Lizl was found in the woods not far from the greenhouses of

Brant & Noe, where the murdered man had been in charge of a range of Beauty houses. Geo. Dolinski, a relative, was arrested for the murder, which was committed Saturday night as Lizl was on his way from the greenhouses to his home, where a three months' bride awaited his coming. Jealousy is supposed to have been the cause of the crime. Mr. Brant speaks highly of the murdered man and says that he was a very competent grower.

Walter Retzer & Co. have been at work upon their boiler room until it is now one of the best in the trade. Their establishment was short of heat last winter but there will be no such difficulty this season. One of the new features is a smoke consumer, made necessary by the many protests, in past winters, of the nearby residents. Their houses are full of nice stock, including a big shipment of azaleas, just arrived, and the firm will be in evidence at the show next week.

The Geo. Wittbold Co. are not only having a fine wholesale trade in these autumn days but are doing a large amount of decorative work from their two retail stores. They think that their exhibitions at the flower show bring them a great deal of this work, and they are making preparations to make their usual good showing next week in the classes for decorative plants and cut flower arrangement. They have some exceptionally well grown specimen plants this season.

Andrew McAdams has a number of hybrid hibiscuses raised from seed produced by his old partner, John Good, who is now living on the Indian river, down in southern Florida. Mr. McAdams thinks that the hibiscus will regain its popularity at no far distant date, and expects to get something worth while out of this batch of seedlings, although the plants have not yet reached a stage at which their value can be determined.

Mangel has had a very attractive window this week, the central feature being a vase of huge blooms of Col. D. Appleton chrysanthemum. He also had a vase of a red seedling rose, which bore a card informing the public that the variety "lasts longer than any other rose." Another feature of the window has been a number of plants of *Cattleya labiata* in bloom.

They have been planting bulbs at the parks this week and many thousands of tulips and hyacinths have been put in. Just now there is a very fair crop of mushrooms in South Park, the result of favorable weather conditions. The neighbors are harvesting the esculents and have not yet gathered toadstools by mistake.

The Florists' Club's annual banquet will be held in the Egyptian Hall of the Auditorium Hotel at seven o'clock on the evening of next Thursday, November 8. Tickets may be obtained from W. N. Rudd at any time at the flower show. There will be a considerable number of guests from out of town.

Show preparations are progressing apace and the prospects are for a splendid exhibition. A big force of workmen will begin to lay the false floor in the Auditorium theatre at the close of the Thomas concert to-night and by Monday morning the hall will be ready to receive exhibits.

The flower booth at the show will be under the management of the Florists' Club and will be conducted for the benefit of the Galveston florists. Anyone wishing to contribute stock can send it to P. J. Hauswirth for the committee.

E. C. Amling has received a number of fine blooms of *Chrysanthemum Monrovia* from Gannar Teilmann, the Marion, Ind., grower, who has made a reputation by his success with Major Bonnafon. Mr. Teilmann writes that next year he proposes to grow *Monrovia* extensively.

W. E. Lynch, who has long been identified with the wholesale cut flower business in Chicago, closed his commission house, at 64 Wabash avenue, on October 29 to assume the management of the cut flower department of E. H. Hunt.

The florists of Louisville are figuring that the approaching twenty-eighth triennial conclave of the Knights Templar will bring them more than \$20,000 worth of business. This is a tip for Chicago wholesalers.

One of the week's visitors has been A. Dimmock, of Sander & Co., St. Albans, England, who reports a very nice trade in new plants, orchids, palms and the numerous specialties for which his firm is noted.

The Florists' Club met last night and, after the new officers had been installed, J. S. Wilson read a paper on the Boston fern and W. S. Heffron one on the best methods of packing and shipping cut flowers.

Mons Olson, who has for some years had charge of the flower department of E. H. Hunt, is now with J. A. Budlong, where increasing trade has made the necessity for an augmented force.

Nathan Smith & Son, Adrian, Mich., have sent some very fine blooms of *Chrysanthemum Goldmine* to J. B. Deamud. This is the variety which captured the C. S. A. cup last year.

J. N. Jakobsen is back from Denver, where he spent the summer. Mr. Jakobsen was formerly associated with Fred. Hills, at Maywood, and now contemplates remaining here.

W. J. Vesey, of Fort Wayne, Ind., was in town this week and we hope he will arrive at the goal of his ambition, the judgeship of the superior court in this county.

Walter Retzer has filed suits for damages aggregating \$55,000 in the circuit court against A. B. Everett, Louis Gregor and E. R. Tauch.

Mr. and Mrs. J. A. Budlong have returned from a two months' trip, visiting friends in New York, Providence and Boston.

Albert Fuchs is enroute home from Europe, where he has spent the summer, and is expected in Chicago early next week.

C. J. Reardon has returned from Calumet, Mich., where he assisted in starting a new florists' business this fall.

E. E. Pieser is on duty with the Kennicott Bros. Co. again this week, but is not yet fully recovered from his illness.

Mrs. C. L. Washburn had been quite ill for a number of days past.

St. Louis.

STATE OF TRADE, BOTH WHOLESALE AND RETAIL.—RANGE OF PRICES.—VARIOUS NOTES OF INTEREST.

Trade is reported as very good in the upper part of the town, especially in cut flowers, but down town the sales are not many. Roses sell at \$1.50 per dozen in best grades. Beauties and large chrysanthemums bring from \$3 to \$6 a dozen and tuberoses, of which there are a few, are selling at from 5 cents to 10 cents. The wholesalers report a medium sale, roses bringing all the way from \$1 to \$4 per

hundred, carnations 75 cents to \$1.50 for fancy stock. Chrysanthemums are sold for 3 cents and 4 cents for the small ones and 20 cents for fancy and large blooms. Violets are coming in quite plentifully and are wholesaling at 25 cents per hundred.

By order of Park Commissioner Ridgely, all the roses of the different city parks are to be cut and sent to the city and private hospitals in a few days. Superintendent Pape thinks there will be about 3,500 roses cut if no heavy rains occur. Water hyacinths are the only other thing that is not taken in, but the people have been allowed to collect them for the last few days and at present very few are left.

The new greenhouses at Shaw's Garden are completed and the plants will soon be moved into them. The planting of the twenty-acre extension of the garden is being carried on as fast as possible and about 5,000 plants have been set, of the 20,000 that are to go in. This extension is to be planted entirely to North American trees and shrubs.

The horse show is now open and along Grand avenue the florists claim it is bringing trade. Geo. Waldbart says that the whole season has been good, as the proceeds of this summer and fall are much better than last year during the same months.

The eleventh annual banquet to gardeners, florists and nurserymen, provided for in the will of Henry Shaw, is to be given this year at the Mercantile Club, St. Louis, on November 3.

It is hoped that now, as the cool weather starts, we will have a better attendance at the alleys, so that we can be in trim for next year's meeting of the S. A. F.

There is an excellent prospect for a good chrysanthemum show this year. It will take place November 14 to 16 in the Music Hall of the Exposition Building.

F. J. Foster will soon move to his new stand at the corner of Eighth and Olive streets. He has a nice store and ought to have a good trade.

The Michel Plant and Bulb Company had the decoration, last week, of the "Boston," the new department store that has just opened.

The Eggeling Floral Company has been incorporated with a capital stock of \$3,000. We hope that the new company has good luck.

J. M. Kimberlin and son, of California, were recent visitors. M.

Cincinnati.

BUSINESS POOR BECAUSE OF WARMTH.—GOOD STOCK AT THE FLOWER MARKET.—SEEN IN THE WINDOWS.—FIVE FLORISTS TO ONE BLOCK.

Business the past week, owing to the very warm weather, was very poor. The thermometer would run up to 80° in the shade during the day. The commission houses were loaded down with fine roses, chrysanthemums and lily of the valley Saturday evening at closing time and very few orders came in. The flower market presented a beautiful sight Saturday afternoon, some very good plants and flowers being shown. Noticeable among them were some fine pot chrysanthemums and *Pteris tremula* on Julius Schumann's stand and some fine Boston ferns and Enquirer carnations at Richard Witterstaetter's.

Our store men are now decorating their windows in great shape. Peterson had a novel display last week. In one window he showed some fine *Cattleya*

*labiata*s and *Oncidium varicosum* Rodgersii with *Adiantum Farleyense*, and his other window was decorated with autumn foliage. The whole thing was very attractive and received a great deal of favorable comment. Sunderbruch & Sons have displayed some fine Robinson and Mrs. E. G. Hill chrysanthemums, together with *Nephrolepis Bostoniensis*, *Adiantum cuneatum* and a large *Areca lutescens* for background. Julius Baer has had four of Kiff's flower holders filled with lily of the valley, carnations and roses suspended from the ceiling, with a large vase of Robinson chrysanthemums set in a group of fine palms. By the way, Julius is getting his store fixed up in great shape and if he keeps on will some day have the "swellest" place in town.

We now have five stores in one square on Fourth street between Main and Walnut streets. Among the new comers are J. W. Rodgers and Hardesty & Co. One of the florists is said to have suggested that they get together and have their boxes all labeled, naming that square "florists' square." Wouldn't that jar you?

About the only thing doing this week in society was the opening ball at the Phoenix Club. Sunderbruch had the decorations and about a dozen bouquets for the same. D.

Buffalo.

VERY LITTLE TRADE EXCEPT FOR MATRIMONIAL OR MORTUARY EVENTS.—STOCK IS PLENTIFUL.—VARIOUS NOTES.

The weddings and receptions scheduled for October came off as per arrangements, and several have called forth a goodly number of flowers, but the steady sale of cut flowers with the usual scarcity always found in October, has been lacking because of summer-like weather, and we find Bridesmaid, Bride and Meteor in very good supply. Kaiserin, while not so plentiful, is still good. American Beauties have dropped off in sale, not on account of supply or quality, but, I think, because of the supply of chrysanthemums, although they are not yet over-plentiful. Carnations are not too plentiful and what are coming are good. Guenther, of Hamburg, and Brookins, of Orchard Park, have by far the best.

New York, I see, gives carnations to the McKinley parade. We not only bought our chrysanthemums, but walked behind them in the sound money parade of 1896. Why should florists give flowers away when they pay two prices for coaches and other innumerable things only used to excess at election time? We trust that some election bets will be paid in flowers, not all in candy, gloves and theatre tickets.

William Scott, who has just returned from an extended trip east, is about to depart for St. Louis, Toronto and back to Elmira to judge chrysanthemums and talk Pan-American Exposition, as he can do to the edification of all.

W. J. Palmer & Son had a very large wedding last week. About 300 palms, together with wild smilax, chrysanthemums and orchids made a grand showing, as large, if not larger, than any other this fall.

Kasting has about completed the alterations in his store and ended up by installing a cash system which is equal to his hustling place of business.

C. S. Ford, Jr., of Philadelphia, was here last week, followed by Walter Mott, of Drear's. W. A.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—6 times, 5 percent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at \$1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines only. Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

ALREADY there is a list of losses as the result of fires due to defective heating apparatus.

FOREHANDED, careful florists are buying their Christmas stocks of decorative plants while they can be shipped safely and economically.

ANNOUNCEMENT is made of the publication of a new supplement to Nicholson's "Dictionary of Gardening." Two volumes will be issued, of which the first is now ready.

At a recent meeting of the Royal Horticultural Society of England a pale yellow sport of Chrysanthemum Lady Fitzwygram was given an award of merit under the name of Mrs. James Williams.

W. N. RUDD says that Col. D. Appleton is apparently the best yellow chrysanthemum to date. With the color of Golden Wedding, dwarfier habit, extra large size of blooms and vigorous, healthy growth, it probably approaches nearer the ideal chrysanthemum than any other yellow variety in the trade.

DR. L. WITTMACK, who will be remembered by horticulturists in connection with the World's Columbian Exposition, of Chicago, has lately celebrated his twenty-fifth anniversary as secretary of the Prussian Horticultural Society. The event was celebrated by a number of valuable presents, complimentary addresses and a reception.

Its Up To the Retailer.

Robert Craig said a good thing in his bantering, genial way when he asked the reason for there being only four roses on the florists' list to-day and queried: "Is it want of intellect on the part of the retailer," to which he himself replied by an emphatic "No; for," said he, "we poor growers run up against the retailer every day and always get the worst of it, so we know it isn't the want of intellect; but I think rather it is intellect expended in a wrong direction."

And then the speaker went on to show in the most convincing way that if the retailer would put half his beating-down energy into talking intelligently to his customers and getting them interested in other flowers besides the everlasting four, he would not only afford a blissful relief to the grower but would undoubtedly increase and diversify his business. A florist should really be something above the mere dealer, should partake somewhat of the spirit of the cultured professions, and be broad enough to build for next year and the year after.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Peter Henderson & Co., New York, register new Lilliputian canna, Little Gem; flowers orange scarlet, each petal lightly edged with yellow; very dwarf and compact, the extreme height to tip rarely exceeding two feet.

WM. J. STEWART, Sec'y.

A Question of Ethics.

ED. AM. FLORIST:—Is it a violation of the code for a florist, on learning of a death, to go or send an agent to the home and friends of the deceased for the purpose of securing orders for designs and funeral flowers? Please give full details of what is permissible under the circumstances.

S. B.

[The practice of seeking funeral orders by direct solicitation is commonly known as "crape chasing" and is not only in very bad taste but is a poor business policy for one who aspires to anything better.—Ed.]

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BALTIMORE, Md., February 21-22, 1901.—Exhibition of the American Carnation Society. Albert M. Herr, Sec'y, Lancaster, Pa.

BOSTON, MASS., November 6-9.—Chrysanthemum show, Massachusetts Horticultural Society. Robert Manning, Sec'y, Horticultural Hall.

CHESTNUT HILL, PA., November 7-9.—First fall exhibition Chestnut Hill Horticultural Society. Robt. G. Carey, Sec'y, Chestnut Hill, Pa.

CHICAGO, ILL., November 6-10.—Annual exhibition, Horticultural Society of Chicago. W. N. Rudd, Sec'y, 1002, 185 Dearborn street.

COLD SPRING, N. Y., November 8-9.—Second annual exhibition, Putnam County Horticultural Society. John A. Connolly, Sec'y.

DENVER, COL., November 7-9.—First exhibition, Denver Florists' Club. A. M. Lewis, Sec'y.

ELMIRA, N. Y., November 14-15.—Chrysanthemum show, Elmira Horticultural Society. H. N. Hoffman, Sec'y.

HARTFORD, CONN., November 6-9.—Chrysanthemum and carnation exhibition, Connecticut Horticultural Society. L. H. Mead, Sec'y, Hartford.

HOUSTON, TEX., November 15-16.—Seventh annual chrysanthemum show for DePelchin Home. Mrs. M. E. Bryan, Sec'y.

INDIANAPOLIS, IND., November 14.—Exhibition of State Florists' Society of Indiana. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

LOUISVILLE, KY., November 10-12.—Tenth annual floral festival of the Kentucky Society of Florists. H. Lichtefeld, Sec'y, Louisville.

MADISON, N. J., November 7-8.—Fifth annual exhibition, Morris County Gardeners' and Florists' Society. Chas. H. Atkins, Sec'y, Madison.

MONTREAL, CAN., November 12-14.—Annual chrysanthemum show, Montreal Gardeners' and Florists' Club. W. H. Horobin, Sec'y, 130 Tupper street.

MOUNT KISCO, N. Y., November 8-9.—Fifth annual exhibition of the Bedford Flower Club. Herbert Spavins, Sec'y.

NEWPORT, R. I., November 13-15.—Ninth annual chrysanthemum show, Newport Horticultural Society. Robert Johnston, Sec'y, Harborview.

NEW YORK, November 14-15.—Chrysanthemum Show, American Institute. George Whitefield, Jr., Sec'y, Berkeley Lyceum Building.

PHILADELPHIA, PA., November 13-17.—Annual exhibition, Pennsylvania Horticultural Society. David Rust, Sec'y, Horticultural Hall, Broad street.

POUGHKEEPSIE, N. Y., November 6-8.—Annual exhibition, Dutchess County Horticultural Society. W. G. Gommersall, Sec'y, Poughkeepsie.

PROVIDENCE, R. I.—November 14-16.—Chrysanthemum exhibition Rhode Island Horticultural Society. C. W. Smith, Sec'y, 61 Westminster street.

SAN FRANCISCO, CAL., October 25-27.—Fall exhibition California State Floral Society. Mrs. Henry P. Tricon; Sec'y, 846 Grove street.

ST. LOUIS, MO., November 14-16.—Tenth annual chrysanthemum exhibition, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

TARRYTOWN, N. Y., November 7-9.—Annual exhibition of Tarrytown Horticultural Society. W. F. McCord, Sec'y.

TORONTO, CAN., November 7-10.—Annual exhibition, Toronto Gardeners' and Florists' Association. W. C. Jay, Sec'y, 438 Spadina avenue.

WACO, TEX., November 13-17.—Fifth annual chrysanthemum show, Texas State Floral Society. Mrs. M. B. Davis, Sec'y, Waco.

Greenhouse Building.

Mt. Hope, Pa.—H. Broadbelt, one house.

Westport, Conn.—Fillow & Banks, one house.

Rockland, Mass.—H. D. Gardner, one house.

Northfield, Mass.—Frank Perould, one house.

Newark, N. J.—Benj. Atha, one conservatory.

Barre, Vt.—O. C. Sheplee, one house.

Webster City, Ia.—Jas. Follett, carnation house.

Waban, Mass.—Miss Bowen, one house.

Riegelsville, Pa.—J. S. Bloom, one house.

Waltham, Mass.—H. Spencer, one house.

Farmington, N. H.—A. Fletcher, house 20x50.

Mountainville, N. Y.—A. Daniels, one house.

Taunton, Mass.—B. J. Connolly, house 20x30.

Ithaca, N. Y.—A. J. Smith, three houses.

Chrysanthemum Society of America.

Following are the reports of the committees judging seedlings and sports:

Boston, October 27.—George Hollis, South Weymouth, Mass., exhibited Peerless, a white Japanese variety, scoring commercial scale 85 points. This variety was judged as an early one, as the flowers shown could have been cut a week or two weeks earlier, or as early as Bergmann.

Cincinnati, O., October 27.—Nathan Smith & Son, Adrian, Mich., exhibited Omega, a canary yellow, reflexed Japanese variety, which scored commercial scale 79 points, exhibition scale 81 points.

The scale for judging plants and blooms of chrysanthemums, in its entirety, is as follows:

Scale A.—Scale of points for bush plants and standards. Single specimen, or any number up to six, in an exhibition where the class under consideration does not form the chief feature in the exhibition hall.

Equality of size and form of plant 40
Excellence of bloom35
Foliage25

Total.....100

Scale B.—Scale of points for bush plants; exhibits of more than six or for any number of specimen plants in an exhibition where the class under consideration forms the chief feature in the exhibition hall.

Excellence of bloom.....40
Equality of size and form of plant...35
Foliage.....25

Total.....100

Scale C.—Scale of points for plants grown to single stem and one bloom. A height of not over three feet is recommended for plants in this class and pots not over six inches in diameter.

Excellence of bloom.....40
Compact and sturdy growth.....35
Foliage.....25

Total.....100

Scale D.—Scale of points for specimen blooms for commercial purposes.

Color25
Form25
Fullness.....15
Size.....15

Stem and foliage.....10
Substance.....10

Total.....100

Scale E.—Scale of points for specimen blooms for exhibition purposes.

Distinctiveness.....	25
Color.....	15
Form.....	15
Size.....	15
Stem.....	10
Foliage.....	10
Fullness.....	10
Total.....	100

EDWIN LONSDALE, Sec'y.

OBITUARY.

FREDERICK DELLERT.

Frederick Dellert, who has carried on the florist business at Great Barrington, Mass., for many years, died from heart failure on October 25, aged 67 years. He is survived by his wife, five sons and five daughters.

SAMUEL G. JOHNSON.

Samuel G. Johnson died at Hutchinson, Kans., October 26, of dropsy. The deceased for the past fifteen years has been proprietor of the City Greenhouse and at the time of his death was probably one of the oldest settlers in Kansas, having removed to the state in 1854.

ANDREW CAMERON.

Andrew Cameron, a nephew of Robert Cameron, superintendent of Harvard Botanical Garden, Cambridge, Mass., died October 29, after a three weeks' illness with typhoid fever. He was 21 years of age and had been employed in the Botanical Garden about three and one-half years. He was regarded as a very promising young man.

LANCASTER, PA.—J. P. Siebold reports their trade increasing until they face the necessity of securing greater facilities.

EXCELSIOR, MINN.—Martin Bartholomay, who recently removed here from Middletown, N. Y., is doing a nice business.

CHICOPEE, MASS.—Paul Brothers have purchased the business of Schlosser & Andrews and they took possession November 1.

ISHPEMING, MICH.—At the Ishpeming Floral Company's range they are adding a house for violets, making a total of 7,360 feet of glass.

HYDE PARK, MASS.—H. J. Townsend, who has filed a petition in bankruptcy, has scheduled liabilities of \$3,620.74 and assets amounting to \$983.

To be in time for our grand Autumn Number which will be issued November 10, your special advertisement should be mailed now to the American Florist Co., 324 Dearborn St., Chicago.

Catalogues and Cut Flower Price Lists Received.

Peter Lambert, Trier, Germany, vegetable and flower seeds; Soupert & Notting, Luxemburg, Germany, roses; Rouston Servan & Co., St. Remy-de-Provence, France, vegetable and flower seeds; Samuel C. Moon, Morrisville, Pa., trees, shrubs, grasses, etc.; W. Atlee Burpee & Co., Philadelphia, Pa., vegetable and sweet pea seeds; Benj. Hammond, Fishkill-on-Hudson, N. Y., insecticides, paints, etc.; Caldwell The Woodsman Co., Evergreen, Ala., holly and decorative greens; Wilbur A. Christy, Kinsman, O., bulbs,

plants, seeds, etc.; Texas Nursery and Floral Company, Sherman, Texas, trees, roses, etc.; E. Smith & Sons, Geneva, N. Y., trees and roses; McKellar & Winter-son, Chicago, Ill., plant stands; A. R. Carter & Co., Evergreen, Ala., decorative greens; The Floral Exchange, Inc., Philadelphia, Pa., roses; E. C. Amling, Chicago, Ill., cut flower pricelist; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies; C. C. Pollworth Co., Milwaukee, Wis., cut flowers; Thomas Meehan & Sons, Philadelphia, Pa., trees, shrubs, plants, etc.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2920 South Park Ave., Ch. cago.

SITUATION WANTED—By trained gardener with a knowledge of greenhouse work. Address W. H. WHITING, Wellsboro, Pa.

SITUATION WANTED—By a sober florist. Good grower and designer. Best of recommendations. Address STANLEY, care American Florist.

SITUATION WANTED—As rose grower where a good up-to-date man is wanted; married; references; state wages. W F S, care Am. Florist.

SITUATION WANTED—On private place, by a good self-starting commercial grower of 12 years' experience; single; strictly temperate. Address H. Box 34, Montague, Mich.

SITUATION WANTED—As foreman, understands roses, mums, carnations and general bedding stock. Can furnish the best of refere. ce; 11 years' experience. Address H C S, American Florist.

SITUATION WANTED—As foreman, commercial place in the west preferred; 15 years' experience in cut flowers and general plants, also good at designs; reference. W E, care American Florist.

SITUATION WANTED—By a middle aged single man as florist and gardener, fruit, vegetables. Private place preferred. Best of references as to character and ability. Address W M, care American Florist.

SITUATION WANTED—By an up-to-date, all-around florist as foreman or manager, 16 years' experience in leasing places. Can give first-class references; state terms and wages. Address GERMAN, care American Florist.

SITUATION WANTED—By a practical grower of roses, carnations and general stock; good designer; 18 years' experience; can take full charge. Married, no family, age 33, sober. Please state wages. P. G. PEARSON, Williams Bay, Wis.

SITUATION WANTED—As headgardener, either in public park or private grounds, by one of many years' experience in Germany as well as America. For sever 1 years past headgardener on one of the largest private grounds of the west. Best references. Address SUPERINTENDENT, care Am Florist.

WANTED—At once a good man to work in green houses; \$15 a month and board. Address H. M. JENSEN, McHenry Ill.

WANTED—Two good growers, experienced in American beauties. Apply WIETOR BROS. 51 Wabash Ave., Chicago.

WANTED—Competent grower for 10,000 square ft. References required. Address WM. GERKE, 212 N Todd Ave., Warren, O.

WANTED—A good all-around, industrious and sober florist, to take charge of park and greenhouse. Address ALONZO ULSH, Wabash, Ind.

WANTED—A good clerk and designer for florist store. Send copy of recommendations and references. A WARRBURN & SONS, bloomingt n, Ill.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B, care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Boy to learn the greenhouse business, the growing of roses and carnations. In answering state age. Address JOHN L. WYLAND, De Haven Pa.

WANTED—For Wisconsin, all-around man for general greenhouse work. Reliable and industrious. A good place for the right man. References. Address M G, care American Florist.

WANTED—Young man with some experience to work in greenhouses, roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address B, care American Florist.

WANTED—A sober steady man with some knowledge of greenhouse work, to work under foreman. A steady place to the right party; send references and state wages expected. Address C. LOVBRIDGE, Peoria, Ill.

WANTED—A reliable florist, one capable of taking care of 1500 feet of glass, to grow general stock of cut flowers and plants for retail store trade. Must be honest, sober, reliable and a good worker. FRED J. KING, Ottawa, Ill.

WANTED—A good sober, steady man to work in a small plant. Must be willing to do any work connected with the business. State wages. A steady place to good man. Address W H W, care American Florist.

FOR SALE—Nine boxes 10x14 d e glass at \$3.50 per box; 60 pine bars 10 3/4 ft long, 2 cts per ft. f. o. b. cars. MRS. HELEN WAGONER, Ft. Madison, Ia.

FOR SALE—Part interest in small flourishing business. Lively southern city; good market; fine chance for paying investment. Locality has best advantages of every sort. Other business. Address FLORAL, care American Florist.

WANTED—NIGHT FIREMAN on steam boilers. Must have experience and understand to keep right temperature in houses; no drinker wanted. Ad. FIREMAN, care Eastern Office Am. Florist, 67 Bromfield St., Boston, Mass.

FOR SALE.

Greenhouse plant of 6 house in Jersey City well stocked and in full operation. Address JOHN MORRELL, 92 Danforth Ave., Jersey City, N. J.

Wanted at Once. A good, reliable, sober man to work in a small place. Must be willing and able to do anything connected with the business; not much hard work but close attention required. A single man preferred and one who can speak English. A steady place and good pay to the right party.

C. P. DOW, Laconia, N. H.

FOR LEASE OR SALE ON EASY TERMS.

6000 feet of glass, new buildings, fairly well stocked, hot water heating, good residence, two miles from a city on the South Atlantic Seaboard, 90,000 population, with no up-to-date Florists. Fine opening for experienced, enterprising man. Apply with references to

OPPORTUNITY, care American Florist.

For Sale. Wm. Slaughterback's place, lettuce grower; 6 acres of ground, just out of city limits, cheap taxes, 9-room house, cellar and summer kitchen and a small, 3-room cottage, good orchard and good barns, 2 greenhouses 20x70 and 1 greenhouse 20x90, hot water heat, natural gas fuel, gas well on place. Free gas; water supply comes from large tank. Everything recently built and in good condition; a paying business right now. Reason for selling, have other business to look after. For price, terms, etc., ad. F. W. Herleman, 2816 S. Boots St., Marion, Ind.

WANTED.

I want you to learn how to make your own boiler, of 2-inch gas pipe, which will last you from eight to ten years. Simple in construction and easy to make. I have two now in operation; one I have used six years, and find it almost good as new. Will send circular which has an advertising cut showing coils, grates and brick work complete, for \$1.00. I offer this for next 30 days only. Can be made any size. D. W. PAYNE, Box 153, Port Clinton, O.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

Wholesale Store, Minneapolis, Minn.,

Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Moutaua, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. Minneapolis, Minn.

BRANT & NOE.

Carnation Blooms

SHIPPED DIRECT FROM GREENHOUSE TO ALL POINTS.

Chicago Carnation Co., JOLIET, ILL.

Wholesale Flower Markets

CINCINNATI, Nov. 1.

Roses, Beauty	10.00@25.00
" Bride	3.00@ 4.00
" Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1.50
Chrysanthemums	10.00@15.00
Cattleyas	50.00
Violets	.50@ .75
Lily of the valley	4.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15
Asparagus	50.00

St. Louis, Nov. 1.

Roses, Bride, Bridemaid	2.00@ 4.00
" Beauty, 12 to 20 inch stems	6.00@10.00
" " long	12.50@20.00
" Perle	2.00@ 4.00
" Meteor	2.00@ 5.00
" Kaiserin	2.00@ 5.00
Carnations, common	.75@ 1.00
" choice	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00
Tuberose	3.00@ 4.00
Galax	per 1000 1.00
Chrysanthemums	6.00@20.00
Violets	.25@ .35

MILWAUKEE, Nov. 1.

Roses, Beauty, long, per doz	2.00@ 3.00
" " med "	1.00@ 1.50
" " short "	.50@ .75
" Bride, Bridesmaid	2.00@ 3.00
" Meteor	2.00@ 3.00
" Golden Gate	4.00@ 6.00
" Perle	2.00@ 4.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Mums, fancy, per doz	1.50@ 2.00
" ordinary "	.50@ 1.00
Violets	.50@ .75

PITTSBURG, Nov. 1.

Roses, Beauty, fancy	20.00@30.00
" " extra	12.00@18.00
" " Na. 1.	4.00@10.00
" " culls	2.00@ 4.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
" Liberty	2.00@ 4.00
Carnations, ordinary	.50@ .75
" fancy	1.25@ 2.00
Lily of the valley	2.00@ 4.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00
" Sprengerii	.25@ .35
Dagger ferns, per 1000	2.00
Chrysanthemums, fancy	8.00@20.00
" ordinary	2.00@ 4.00

DENVER, Nov. 1.

Roses, Beauty, select	12.50@25.00
" " ordinary	3.00@ 7.00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	3.00@ 4.00
" Perle, Wootton	2.00@ 4.00
Carnations, ordinary	1.00@ 1.25
" fancy	2.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	.75
" double	.50@ .75
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Werns, per 1000	2.75
Chrysanthemums, per doz	1.75@2.50

J. B. DEAMUD,

51 WABASH AVE.,

CHICAGO.

We are now receiving some very fine Roses and Carnations and shall be pleased to have your orders. Am. Beauties are first-class.

AM. BEAUTIES, ex. long	Per doz. \$3.00
" " 24-inch	2.50
" " 18 "	2.00
" " 12 "	1.50
" " short	\$.50 to 1.00
BRIDES, MAIDS	Per 100 \$2.00 to \$4.00
METEORS, KAISERINS	3.00 to 5.00
PERLES	2.00 to 3.00
CARNATIONS	1.00 to 1.50
CHRYSANTHEMUMS	10.00 to 25.00
VALLEY	4.00 to 5.00
SMILAX	12.50

VIOLETS, double	Per 100 \$1.00
" " single	.75
ADIANTUM	.50 to .75
ASPARAGUS	50.00
FANCY FERNS	\$1.50 per M. .20
IVY LEAVES	.50
CALDWELL'S	No. 1 contains 15 lbs., \$2 50
" " No. 2	20 " 3.25
" " No. 3	25 " 3.75
WILD SMILAX	No. 4 " 35 " 4.50
" " No. 5	40 " 5.50
" " No. 6	50 " 6.50

Prices subject to change without notice. P. AND D. AT COST.

CATTLEYAS, \$6.00 per dozen.

BENTHEY & CO.

F. F. BENTHEY, Manager,

Wholesale and Commission...

FLORISTS,

CONSIGNMENTS SOLICITED.

41 Randolph St., CHICAGO.

ROSES.

Am. Beauties, long	per doz. \$2.00 to \$3.00
" " medium	1.00 to 1.50
" " short	.75 to 1.00
Brides and Maids	per 100, 3.00 to 4.00
Peries	3.00 to 4.00
Kaiserin	4.00 to 6.00
Meteors	3.00 to 5.00
MUMS, select	\$18 to \$25 per 100
" " good stock	10 to 15 per 100

CARNATIONS, fancy	per 100, \$1.50 to \$2.00
" " good quality	1.00
VIOLETS, good single	1.00
ORCHIDS, Cattleyas	per doz. 6.00
VALLEY	per 100, 4.00 to 5.00
SMILAX	" " 12.00 to 15.00
ASPARAGUS	per string, .50 to .75
ADIANTUM	per 100, .75 to 1.00
WOOD FERNS	per 1000, 1.50

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS IN SEASON. PITTSBURG, PA.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

Bronze Galax Leaves

\$1.25 per 1000. Every leaf guaranteed perfect.

Try a sample FIFTY for ten cents in stamps, delivered FREE.

AMERICAN ROSE CO., Washington, D. C.

Stop Walking the Floor. You won't be disappointed if you place your orders for

SOUTHERN WILD SMILAX

With CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace." N. B. We also sell some Holly.

IT ISN'T ANY TRICK TO FILL ORDERS

when stock is plentiful; anybody can do it. The test comes in filling orders when stock is scarce. We now have large supplies of the best American Beauties, Tea Roses, Carnations and Chrysanthemums. To those who become our regular customers now we promise supplies when good stock is hard to get.

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street,

CHICAGO, ILL.

PRICE LIST.

BEAUTIES		
Extra long stem.....	per dozen.	\$3.00
Stems, 30 inches.....		2.50
" 24 ".....	"	2.00
" 20 ".....	"	1.50
" 15 ".....	"	1.25
" 12 ".....	"	1.00
" 8 ".....	"	.75
Brides and Maids.....	per 100.	\$3.00-5.00
Meteors and Kaiserin.....	"	3.00-5.00
Perles.....	"	3.00-4.00
Roses, good seconds.....	"	2.00
'Mums, select.....	per doz.,	2.00-3.00
medium.....	per 100.	8.00-12.00
Alyssum.....	"	.25
Valley.....	"	4.00
Violets.....	"	.50-1.00
Carnations, standard sorts.....	per 100.	1.00-1.50
Fancy sorts.....	"	2.00-3.00
Asparagus.....	per string.	.50
Galax, green, per 1000, \$1.00.....	per 100.	.15
Ferns, per 1000, \$1.50.....	"	.20
Leucothoe sprays.....	"	.75
Ivy Leaves.....	"	.50
Adiantum.....	"	.75
Smilax.....	per dozen.	1.50
Wild Smilax, parlor brand.....	per case.	3.25
medium.....	"	4.25
large.....	"	5.50

WEILAND - AND - RISCH

GROWERS and SHIPPERS,

59 WABASH AVE. CHICAGO.

American Beauty,	Per dozen.
36-in. stems.....	\$3.00
30 ".....	2.50
24 ".....	2.00
20 ".....	1.50
15 ".....	1.25
12 ".....	1.00
short stems.....	.75
Carnations.....	per 100, \$1 to 1.50
Fancy.....	\$2.00 to 2.50
Violets.....	per 100, 75c to 1.00
Valley.....	per 100, 4.00
Cattleyas.....	per doz., 6.00

ROSES.	Per 100
Liberty.....	\$3.00 to \$5.00
Golden Gate.....	4.00 to 6.00
Brides, Maids.....	3.00 to 5.00
Meteors.....	3.00 to 5.00
Kaiserin.....	4.00 to 6.00
Perles.....	3.00 to 4.00
Seconds.....	2.00
Ferns, per 1000, \$1.50.....	.20
Asparagus.....	per string, .50
Smilax.....	per doz., \$1.25 to 1.50
Chrysanthemums.....	1.50 to 3.00
Adiantum.....	per 100, .75

Wild Smilax, Parlor brand, per case, \$3.25; medium, \$4.25; large, \$5.50

CONSIGNMENTS OF VIOLETS WANTED.

WHOLESALE FLORISTS

WE SOLICIT A TRIAL
... ORDER...

ALL TELEGRAPH ORDERS
GIVEN CAREFUL &
IMMEDIATE ATTENTION

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

It is good business policy
to mention the

...American Florist

when you write to an advertiser.

J. A. BUDLONG,
WHOLESALE GROWER OF
Cut Flowers
ROSES AND CARNATIONS
A SPECIALTY.
37-39 Randolph St., CHICAGO, ILL.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention
paid to shipping orders.

75 and 78 Wabash Avenue,
CHICAGO. Telephone Main 3208.

Wholesale Flower Markets

CHICAGO, Nov. 2.

Roses, Beauty, extra long stems	3.00@4.00
" 30 inch	2.50
" 24 "	2.00
" 20 "	1.50
" 15 "	1.25
" 12 "	1.00
" 8 "	.75
" Bride, Bridesmaid.....	3.00@ 5.00
" Perle.....	2.00@ 4.00
" Meteor.....	3.00@ 5.00
" La France.....	2.00@ 4.00
" Golden Gate.....	6.00@ 8.00
" Liberty.....	4.00@ 6.00
" Kaiserin.....	4.00@ 6.00
Carnations.....	1.00@ 1.25
fancy.....	1.50@ 2.00
Chrysanthemums, per doz.	1.00@3.00
Lily of the valley.....	3.00@ 4.00
Adiantum.....	.75
Common ferns.....	per 1,000 1.50
Smilax.....	per dozen 1.50
Asparagus.....	per dozen 5.00@ 6.00

A. H. POEHLMANN,

WHOLESALE GROWER
AND DEALER IN

L. D. PHONE
CENTRAL
2123.

...Cut Flowers

Telegraphic Orders Given Prompt Attention.

55-57 Wabash Ave., CHICAGO, ILL.

Greenhouses: Morton Grove, Ill.

IT IS GOOD BUSINESS POLICY TO MENTION THE
AMERICAN FLORIST WHEN YOU WRITE TO AN
ADVERTISER.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
 AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

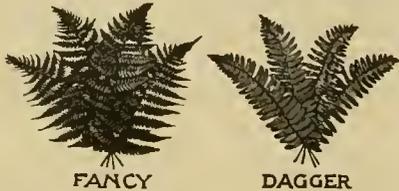
CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems.
 Block Letters, \$2 per 100. Script Letters, \$4 per 100.

Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES.
 Acknowledged by all florists the best in use. Special prices for doz. lots.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.



HARDY CUT FERNS

In 1000 lots, 75c per M. Discount on larger orders.

Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

Galax Leaves at Wholesale

ORDERS FILLED PROMPTLY.
 CORRESPONDENCE SOLICITED.

...J. G. LOVEN...

Montezuma, N. C.

Southern Wild Smilax.

New crop now ready for shipment. Write for my descriptive circular and price list. I guarantee that all goods shipped by me will be of best quality, hand picked, and of standard weight. I solicit your standing orders for the above goods. Reduced express rates to all points. Address all orders to, by wire via Georgiana,

J. G. BARROW, RED LEVEL, ALA.

H. G. BERNING Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Wholesale Florists, **JOBBERS IN**
 Always on Hand: **FLORISTS' SUPPLIES**
 CARNATIONS, BRIDESMAIDS, BRIDES.
N. F. W. Hartley
FLORISTS' VASES.
 Horticultural Auctioneers.
 84 HAWLEY STREET, BOSTON.

Geo. A. Sutherland, Boston Flowers,

WHOLESALE DEPOT FOR

All Florists' Supplies,

Price lists mailed. 67 BROMFIELD ST., BOSTON, MASS.

Wholesale Flower Markets

PHILADELPHIA, Oct. 31.	
Roses, Tea.....	2.00@ 3.00
" " extra.....	4.00@ 6.00
" Beauty, extra.....	20.00@30.00
" " firsts.....	10.00@15.00
Carnations.....	1.00@ 1.50
" " fancy.....	2.00
Lily of the valley.....	3.00@ 4.00
Chrysanthemums.....	15.00@25.00
Violets, single.....	.25@ .50
" " double.....	.50@ 1.00
Asparagus.....	25.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00
BOSTON, Oct. 31.	
Roses, Beauty, extra.....	15.00@25.00
" " medium.....	6.00@12.00
" " culls.....	2.00@ 5.00
" " Bride, Bridesmaid, Meteor.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" " Kaiserio, Carnot.....	4.00@ 8.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	2.00@ 4.00
Chrysanthemums.....	4.00@20.00
Violets.....	.50@ .75
Cattleyas.....	20.00@30.00
Adiantum.....	.50@ 1.00
Smilax.....	8.00@12.00
Asparagus.....	50.00
Hardy ferns.....	.20

BUFFALO, Nov. 1.	
Roses, Beauty.....	10.00@25.00
" " Bride, Bridesmaid, Meteor.....	3.00@ 7.00
" " Kaiserio.....	6.00@ 7.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy feros, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00
Chrysanthemums.....	10.00@20.00
Violets.....	.40@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... **Cut Flowers**
 in the West.

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MD.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,

NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited. Special Attention Given to Shipping Orders.

I Have Room for a Few More Regular Consignors of Good Roses. ❀ ❀
A. H. LANGJAHR, 191 Boerum Place, BROOKLYN, N. Y.

OVER 150 FLOWER STORES IN BROOKLYN.

MONEY SURE.

TEN YEARS ESTABLISHED.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Telephone 220 57 W. 28th. St., NEW YORK CITY.
Madison Square.

....LIBERTY, BEAUTY AND OTHER CHOICE STOCK....

BEST IN THE COUNTRY.

**JOHN YOUNG,
ROSES, CARNATIONS, VALLEY**

and all other choice out flower stock.

51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets Carnations.

GROWERS and BUYERS make a note of this. It
will be to your advantage.

WM. H. GUNTHER,

30 West 29th Street.

Telephone No. 551 Madison Square.

**FRANK MILLANG,
CUT FLOWERS,**

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange, NEW YORK.

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.

TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.

Rose, Violet and Carnation Growers.
Consign to

M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Oct. 31.

Roses, Beauty, select	12.00@20.00
" " medium	5.00@10.00
" " culls	2.00@ 3.00
" Bridesmaid, Bride, Meteor	.50@ 2.00
" " select	3.00@ 5.00
Carnations	.50@ 2.00
Lily of the valley	1.00@ 4.00
Cattleyas	25.00@30.00
Deodrobium formosum	10.00@20.00
Chrysanthemums	2.00@ 6.00
" fancy blooms	12.00@35.00
Smilax	6.00@12.00
Asparagus	25.00
" Sprengerii, per doz. bun.	.75@1.00
Adiantum	.50@ .75
Violets	.35@ .75
" special	1.25@ 1.50
Gardenias	10.00@12.00

**MILLANG & CO.
WHOLESALE**

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

A BUSINESS PROPOSITION.

GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

52 W. 29th Street. NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th. NEW YORK.

CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

**GEORGE SALTFOED,
Violets**

....Wholesale....
Commission Dealer In

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.

....Wholesale Florists

111 West 30th Street, NEW YORK.

READY FOR VIOLETS. Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,

Wholesale Commission Florist
and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street. NEW YORK.
Telephone 1433 Madison Square.
Consignments Solicited.

Cut Flowers, all varieties and all grades.
at New York market rates.

M. A. HART,
44 W. 29th St., NEW YORK CITY.

You Can Make Money
By Dealing With

J. K. ALLEN,

The Busiest Wholesaler
in New York.

Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq.

106 West 28th Street.

Season Open

EDW. C. HORAN,

*Special in
Roses:*

Violets
'Mums
Gardenias

Tel. 421
Madison Square,

....NEW YORK.

CUT FLOWERS AT WHOLESALE.

Liberty, Pres. Carnot,
Kaiserin, Meteor,
Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIAND, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

STEELE, BRIGGS & Co., Toronto, have purchased the seed business of Robert Evans & Co., Hamilton, Ont.

WATERTOWN, N. Y.—The following seed growers met here on October 18 to consider prices for the coming season: S. M. Pease and W. B. Grey, of Cape Vincent; W. A. Dennison, of Ellisburg; F. M. Williams and M. B. Swan, of Belleville.

COUNCIL BLUFFS, IA.—The A. A. Berry Seed Company's new storage plant is about complete. It is a four story brick building with ample capacity for storing seeds and bulbs of every description. The firm expects to send out over 40,000 catalogues next season.

Washington.

AUTUMN WEATHER HOLDS SUMMER FLOWERS.—CANNAS ARE EXCELLENT.—NOTES IN THE TRADE.

After a few light frosts the weather has been very pleasant. Some of the cannas that were somewhat sheltered from the winds are blooming and making a better show than during the hot summer months. On the last day of October, Mrs. Kate Gray, Luray, Chicago, Allemania, Olympia, Duke of Marlborough, Martha Washington, Victory, Mount Etna, America, Red Indian and Souvenir de Antoine Crozy were fine. Dahlias are exceedingly good. All this has a tendency to keep prices down on indoor flowers.

The American Rose Company is cutting some fine chrysanthemums. J. Louis Loose is bringing in some fine violets.

Adolph Minder, of Minder Bros., has been confined to his bed for several weeks with typhoid fever, but is convalescent.

Charles W. Wolf, lately with A. Gude & Bro., is now with Z. D. Blackstone. P. G.

Owosso, MICH.—H. B. Deal has grown 1000 chrysanthemums, each to two blooms and has them in fine shape.

PARKERSBURG, W. VA.—Gustave Obermeyer will offer his new canna, West Virginia, in 1902. It is a dwarf variety, the flowers crimson, gilt edged.

PITTSBURG, PA.—It is estimated that 15,000 persons on last Sunday visited Phipps conservatory to view the chrysanthemum display which Superintendent Falconer opened that day.

Bulbs

SPECIAL OFFER.

- Double Hyacinths, in colors.....\$4.50
 - Single Named Hyacinths..... 5.50
 - Single Hyacinths, named colors..... 4.25
 - Romans, white, 12 to 13 cent..... 1.75
 - Tulips, single, early and late, double early and late..... .75
 - Tulips, named, La Rene, Belle Alliance, Rose Grisdelia..... .90
 - Tulips, Yellow Prince, Kaizer Kroon..... 1.00
 - " Parrots..... .80
 - Crocus, named colors..... .30
 - Narcissus Von Sion, very choice..... 1.35
 - " " double nose..... 1.85
 - " Paper White Grandiflora..... 1.00
- Also a full line of other Bulbs. Prices on application. Order at once. Terms cash.

HARRY L. HOLMES, Seedsman, Harrisburg, Pa.

MAPLESHADE GLADIOLI.

SEND FOR CIRCULAR.

WILBUR A. CHRISTY, Kinsmen, O.

SEVERAL very large shipments of JAPAN LONGIFLORUM have arrived in very bad condition—more than half of the bulbs having been lost by heating. This large loss will make a scarcity in this article, and probably many dealers will be unable to fill their orders in full. If you do not succeed in getting your full supplies, we have still to offer a fine lot of

BERMUDA-GROWN LONGIFLORUM

These Bulbs are in splendid shape. We can supply them at \$14 PER CASE; 350 Bulbs to the case. We also have a fine stock of

LILIUM HARRISII

7-9 inch size is generally scarce, but we have a very fine stock of this size still on hand—a lot of bulbs that were left in the ground and dug late, and in consequence they are in grand shape. Bulbs are plump, bright and clean, and as fine a lot of Harrisii as anyone would want to handle. We can supply these, as long as unsold, as follows: 5-7's, 400 bulbs to the case, only \$16 per case. 7-9's, 200 bulbs to the case, only \$18 per case.

Order at once before we are sold out.

We also offer a very fine stock of

WHITE ROMAN HYACINTHS

Extra quality bulbs, 12-15 ctm., in case lots, 2100 bulbs to the case, \$16.00 per 1000.

Paper White Narcissus Grandiflora

Case lots, about 1300 bulbs to the case, \$7.50 per 1000.

5% discount from above-named prices when cash is remitted with order.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

...SPECIAL BULB OFFER...

- FRENCH WHITE ROMAN HYACINTHS—12-15 cent. at \$1.75 per 100; \$16.00 per 1000.
- DOUBLE VON SION NARCISSUS—Large Double Nosed Bulbs at \$1.75 per 100; \$16.50 per 1000.
- PAPER WHITE GRAND NARCISSUS—75 cts. per 100; \$5.75 per 1000.
- FREESIA REFRACTA ALBA—50 cts. per 100; \$4.00 per 1000.
- CHINESE SACRED LILIES—Per basket (30 bulbs), \$1.50; per mat (120 bulbs), \$5.50.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market Street, PHILADELPHIA, PA.

BULBS! BULBS! BULBS! White Romans, 12-15, at \$1 60 per 100. Double Nosed Von Sion (large) \$2.00 per 100. Paper Whites, large size, @ \$1.00 per 100. Harrisii, 5-7, at \$5 00 per 100; 7-9 at \$10.00. Liliun Longiflorum, large flowering, 7-9, at \$7.00 per 100. Special prices on Dutch Hyacinths and Tulips.

THE VAIL SEED CO., Indianapolis, Ind.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

We have a surplus of WHITE

CALLA BULBS

of about 1-in. diameter, all bloomers, \$4.00 per 100. A bargain. Sample free.

VAUGHAN'S SEED STORE, 84 Randolph St., CHICAGO.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Sahling, Alfalfa Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

WHERE are you going to buy your Holly ? Our stock is ready for shipment. Sample 10 pound box, \$1. Send for it. It's strictly fine. Caldwell The Woodsman Co., Evergreen, Ala. P. S. We also sell some Wild Smilax.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY

- LILIUM LONGIFLORUM Japan, 100 1000
 - 5 to 7-inches.....\$2.00 \$18 00
 - 6 to 8 "..... 3.00 27 00
 - 7 to 9 "..... 4.50 40 00
 - 9 to 10 "..... 90 00
 - LILIUM HARRISII, 7 to 9-inch... 8.00 75 00
- Dutch Hyacinths, Narcissus, Tulips, &c.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

NAMED GLADIOLI. Large and small Bulbs, also Bulbets true to name. A chance of a lifetime to anyone wishing to engage in the Bulb trade. No circulars. Write for prices. P. O. Coblenz, New Madison, O.

American Florist Advt's.



Reach all the Trade.

CHRYSANTHEMUMS

We are Chicago headquarters for the Chrysanthemum, all grades, all colors. We have the prize-winning, exhibition blooms, at \$4.00 a dozen, and every item down the list. Mention your wants; they will be supplied.

Chrysanthemums. Fancy, \$2.50 per dozen.
Medium, 1.25 to \$2 per dozen.
Common, .50 to 1 per dozen.
Am. Beauty, \$8 to \$25 per 100.

Cut Flower Price List.

	Per 100	
Beauties, long.....	\$20.00 to	\$25 00
" medium.....	10.00 to	15 00
" short.....	6.00 to	8.00
Brides, Maids.....	2.00 to	4.00
Perles and Meteors.....	2.00 to	4.00
Roses, our selection.....	2.00	
Carnations.....	1.00 to	1.50
Carnations, fancy.....	2.00 to	2.50
Violets.....	.60 to	1.00
Valley.....	4 00	
Adiantum.....	.50 to	.75
Common Ferns.....per 1000,	2 00	
Smilax.....per doz.,	\$1.25 to	1.75
Asparagus.....	6 00	
Leucothoe Sprays.....	.75	1.00
Galax, Green.....	\$1 25 per	1000

Violets. 60c to \$1 per 100.

Valley, \$4 per 100.

Roses, \$2 to \$4 per 100.

Carnations, \$1 to \$2.50 per 100.

Write for our prices on Wire Work; you can't duplicate them anywhere.

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

42=44 Randolph St.

.....CHICAGO.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Ferns in Variety

	Per 100
2 1/2-inch pots.....	\$3.00
Cryptomeria Japonica, Japan Cedar, 2 1/2-in....	5.00
Cyperus Alternifolius, Umbrella Plant, 2-inch.	2.00
" " " " 3-inch.	3.00
" " " " 4-inch.	5.00
Grevillea Robusta, Silk Oak, 4-inch.....	7.00

LOW EXPRESS RATES.
J. S. BLOOM, RIEGELSVILLE, PA.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz.
GERANIUMS, S.A. Nutt and others, 3-in., \$4 per 100.
NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.
ASPARAGUS PLUMOSUS, 2 1/2-in., \$5 per 100, \$40 per 1000. ASPARAGUS SPRENGERII, 2 1/2-inch, \$4.00 per 100; \$30.00 per 1000.
SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. Carl Hagenburger, W. Mentor Ohio.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Jardinere Ferns,

ELEGANT STOCK,
\$3.00 a Hundred - - \$25 00 a Thousand
Roses for the South,

Varieties most adapted for southern planting. Just the thing you want. Stock At. Write for prices.

J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.

PÆONIES.

We have 100 named double varieties, selected for florists' use; all good for cut flowers.

1 each of 100 varieties.....	\$15.00
1 each of 50 varieties.....	6.00
1 each of 25 varieties.....	3.00
Standard Red, Pink and White, per dozen,	\$1.20

INDIANAPOLIS FLOWER & PLANT CO.,
Indianapolis, Ind.

Herr's ==

Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

Can take no more orders for delivery before November 15th.

Price 75c per 100 free by mail. \$4 per 1000 by express at your expense.

Write me for prices on CARNATION CUTTINGS. I have fourteen houses of Stock Plants. AGERATUM "Stella Gurney" ready now either from pots or rooted cuttings, by the 100 or 1000.

ALBERT M. HERR
LANCASTER, PA.

Hardy Herbaceous

AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.
The Blue Hill Nursery, So. Braintree, Mass.

CORRESPONDENCE SOLICITED.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
 THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
 GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

W. E. FREYER is building a large storage cellar and packing house at his nursery at Kasson, Minn.

THE American Association of Nurserymen will make another attempt to obtain a national inspection law during the next congress.

It is an interesting fact that the Storrs & Harrison Co., of Painesville, O., handled about 520 carloads of stock during the past season.

A SPECIAL commission has reported to the city authorities of New Haven that the elms for which that city has been famous are rapidly approaching extinction.

THE Farmers' Nursery Co., of Phoneton, O., has lost heavily through an agent in Champaign county, Ohio, to whom it paid commissions on fictitious orders.

Toronto.

INCREASING BUSINESS ACTIVITY.—WELCOME FOR RETURNING WARRIORS.—PLANS FOR NEXT WEEK'S SHOW.—VARIOUS ITEMS OF INTEREST.

Increasing activity in all branches of the trade is decidedly in evidence and it bids fair to become a record season for all. It is the eve of the return of the boys from the South African veldt, after an absence of nearly a year, and they return covered with glory and honor well earned. A right royal welcome awaits them for the city is putting on its gala attire. Business will practically be suspended and triumphant arches are to be seen on all the principal thoroughfares.

The secretary of the club has received a letter from Wm. Scott, of Buffalo, accepting an invitation to act as judge for the show. Some dissatisfaction is felt at having the show open November 7, as most growers say their best chrysanthemums will not be in by that date, but the executive committee has decided to run a wire into the Pavilion and post the returns of the election on that date, as they expect it will prove a great drawing card.

Lord Strathcona was tendered a banquet in the Pavilion on Monday night and the decorations were spoken of as being the finest ever seen in Toronto. Large yellow chrysanthemums were used with beautifully colored maple leaves.

Miller & Son, of Bracondale, have bought Mr. McKerrigan's store.

Fred. Brown is going to open a branch on Yonge street in a few days.

Mr. Thomas, of Queen street, West, wants to sell out. H. G. D.

SKOWHEGAN, ME.—H. R. Mitchell & Son will shortly remove their store to a new and better location.

BELTON, PA.—J. F. Winkler has his place in very good shape and will send out some choice stock this season.

PEACEDALE, R. I.—James A. Tefft has been very ill for some time but his condition now promises ultimate recovery.

ANDOVER, MASS.—The annual exhibition of the Florists' and Gardeners' Club will be held in the Town Hall on November 8 and 9.

THERE'S MONEY

To be Made at

CLEARY'S

60 Vesey Street, NEW YORK.

The Growers' Clearing House and
 The Dealers' Golden Opportunity.

PLANT AUCTIONS

EVERY THURSDAY and FRIDAY, 11 A. M.

Field-Grown CARNATIONS

GEN. GOMEZ, MRS. BRADT and GLACIER,
 strong stock, \$6.00 per 100. PINGREE and
 ARGYLE, \$4.00 per 100.

ASPARAGUS SPRENGERII { 2-inch \$3.00 per 100
 3-inch 4.00 per 100
 3½-inch 6.00 per 100
 4-inch 10.00 per 100
 Strong stock.

F. DORNER & SONS CO.,
 LA FAYETTE, IND.

GERANIUM AMERICA

A Queen Among Geraniums.

"Plants not one foot high often have a dozen trusses at one time. One of the brightest, cheeriest varieties in the whole Geranium family."—Eben E. Rexford, in Vick's Magazine, May, 1900.

Strong Plants, \$8 per 100, 25 at 100 rate. Ready now.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATION PLANTS.

SPECIAL PRICE TO CLOSE OUT.
 Strictly first-class stock.

WHITE CLOUD, Flora Hill, Evanston, Wm. Scott, Portia and Victor, \$3 per 100; \$25 per 1000.

A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago

CARNATION PLANTS

ALL SOLD.

Ready to book your orders for Rooted Cuttings of all the leading varieties, for spring delivery. Let me quote you prices before placing your orders.

Wm. Murphy, Wholesale Carnation Grower, Sta. F, CINCINNATI, OHIO.

Mayor Pingree Carnations

I have 1000 strong healthy plants of this fine yellow variety. Will close them out at \$3.00 per 100, or \$25.00 for the 1000.

W. W. COLES, KOKOMO, IND.

FOR THANKSGIVING DAY

A rate of one fare and a third for the round trip has been authorized to points within 150 miles, on the Nickel Plate Road, Chicago Passenger Station, Van Buren St. and Pacific Ave., on the Loop. City Ticket Office 111 Adams St. 38

CRYPTOMERIA JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00.

ASPARAGUS SPRENGERII, 2-inch, \$2.50 per 100. SATISFACTION GUARANTEED.

E. I. RAWLINGS, Quakertown, Pa.

We are hooking orders for Rooted Cuttings of

CARNATIONS,

All the best varieties. Write us.

GEO. HANCOCK & SON, Grand Haven, Mich.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches;

Otaksa, Red Branched, Thos. Hogg,

PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, **MR. J. AUSTIN SHAW**, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

DECIDUOUS TREES

Medium and large sizes, including Oaks, Maples, Oriental Plane, Beech, Birch, Ginkgo, Elms, Ash, Linden Magnolias, Poplars and Willows.

We have an immense stock of the above and are prepared to name liberal rates in quantity. Personal inspection invited. Correspondence solicited.

THE WM. H. MOON CO., Morriaville, Pa.

NURSERIES { 30 miles from Philadelphia,
 { 60 miles from New York.
 PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

Southern Wild Smilax

\$2.00 per 60 pound Case.

\$1.25 per 30 pound Case.

Discount to wholesale dealers. Cases lined with a fine quality lining paper to protect from heat or dirt. Thoroughly packed with Extra Selected stock, and weighs 60 and 30 pounds, but are shipped at 50 and 25 pounds. Express Rates 25 per cent less than merchandise rate.

Telegraphic orders given prompt attention.

Address **R. A. LEE,** Evergreen, Ala.

TERMS: Cash with order, C. O. D. or check on receipt of goods.

Field-Grown VINCA VAR. VINES

Per 100
 First size, from 4 to 6 long vines to plant.... \$4.00
 Large size, " 7 to 10 " " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

PANSIES THE JENNINGS STRAIN.

Highest standard plants, finest mixed, 60 cts. per 100 by mail; \$4.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies, Lock Box 254. SOUTHPORT, CONN.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL. (N. Halsted St.)

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
 Please mention the American Florist when writing.

Big Bargain in Surplus Carnations.

350 McGowans, 150 Kohinoors, 125 Pingrees, 25 Portias, healthy, fine field-grown; lot, \$14.00, or \$2.50 per 100 to close quickly. Also Asparagus Sprengerii, 3-in., \$4.50; 4-in., \$6.00; strong plants. Extra fine Bougainvillea plants, 5, 6 and 8-in., prices on application. Primulas, 5-in. pots, imported seeds, extra fine; doz., 90c; 100, \$7.00. Cash. **GEO. M. BRINKERHOFF,** Springfield, Ill.

**WE DO NOT GROW
CARNATIONS OR 
CHRYSANTHEMUMS**

BUT we do grow *Roses*, and nothing but *Roses*, and quantities of them—29,521 was the number we cut in the one week just past. About 10,000 of them were *American Beauty*. All nice, clean, healthy stock (not a spot of mildew), beautiful foliage, and full, well-developed buds.

who do not have to waste a moment's time or thought on any other kind of flower, and giving them every facility to work with—new modern "rose" houses, a perfect heating and ventilating system, natural gas fuel (no time wasted on handling coal), the rich clay loam which we have in this section of Indiana; these are the reasons why we claim we are in a position to supply the trade with the best *Roses* in the West.

But don't wait till *Roses* are scarce and expect to get *ours*. Regular customers will be taken care of first—the customers who buy our *Roses* the *entire* season. Will you be one of them?

You can get our *Roses* of E. C. Amling, Chicago (we ship him twice daily), or we can ship direct from New Castle via Pan-Handle, L. E. & W. or Big 4 Rys.

If you are a new customer send reference with your order or the flowers will be sent C. O. D. Prompt attention given to every order.

This growing of nothing but *Roses*, employing men of established reputation as rose growers; men

SOUTH PARK FLORAL CO.,
NEW CASTLE, INDIANA.

**CACTUS
AND OTHER
DAHLIAS**

FOR CATALOGUE
COLLECTIONS....

WHOLESALE LIST ON APPLICATION.

LOTHROP & HIGGINS,
East Bridgewater, - MASS.

THE NICKEL PLATE ROAD

will sell tickets within distances of 150 miles, November 28th and 29th, at rate of a fare and a third for the round trip, account of Thanksgiving day. Return limit November 30th. This road has three through daily trains to Ft. Wayne, Cleveland, Erie, Buffalo, New York and Boston, carrying vestibuled sleeping cars and affording excellent dining car service, individual club meals being served, ranging in price, from 35 cents to \$1.00. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for reservation of sleeping car accommodations. Chicago Passenger Station Van Buren St. and Pacific Ave., on the elevated Loop. City Ticket Office 111 Adams St. 39.

Carnations.

EVELINA, JOHN YOUNG, GENESEE, FREEDOM AND WHITE CLOUD.
'MUMS. Stock plants from 6-inch pots or bench, ready now: Mme. Bergmann, G. S. Kalb and Gloire de Pacific, \$1.00 per dozen.
CRABB & HUNTER, Grand Rapids, Mich.



JAPAN
**LILIUM
LONGIFLORUM**

**LILIES
Always**

SELL WELL AT GOOD
PRICES FOR EASTER
AND
DECORATION DAY.

◆
PLANT NOW.
◆

===Japan===
Lilium Longiflorum.

WE HAVE A LARGE STOCK OF UNUSUALLY

FINE BULBS

IN THE FOLLOWING SIZES:

6 to 8-inch; 7 to 9-inch; 9 to 10-inch.
Tell us how many you can use and we will quote low prices.

◆
Surplus Bulbs, Tulips, Narcissus, etc., at a bargain. List mailed on application.

VAUGHAN'S SEED STORE,

CHICAGO:
84-86 Randolph St.

NEW YORK:
14 Barclay St.

Cleveland.

INDIAN SUMMER RUNS INTO CHYSANTHEMUM SEASON WITH DISASTROUS RESULTS. —MARKET VERY DULL.

The unseasonable weather Cleveland has been enjoying for the past month is certainly not of any benefit to the unhappy florist. When cannas, geraniums and even coleus out of doors hardly show signs of the advent of November, the outlook for the florist with chrysanthemums coming on in full force, roses in full crop, and carnations beginning to come in full bloom, is certainly a rather gloomy one. And that is the present situation. Dahlias, cosmos and other backyard favorites are curtailing the market, while the weather remains simply phenomenal in warmth. There has not been the first sign of frost. In the meantime good flowers of all sorts that cost money to grow are hardly salable at any price. All that can be done is to hold on and hope for frost, for which the indications are at present not at all favorable.

A recent visitor has been A. Wiegand, of Indianapolis. A.

SIDNEY, O.—August Fischer, of Quincy, Ill., has come to take charge of the newly erected Wagner greenhouses.

WEBSTER CITY, IA.—James Follett reports that trade has been very good and that the prospects are bright. He has just finished a new carnation house and has remodeled his workroom.

MANCHESTER, MASS.—The North Shore Horticultural Society will give a chrysanthemum show at horticultural hall in Manchester on November 13. The exhibition will continue one day only.

100,000
Carnation Plants

Large, Healthy, Field-Grown Plants.

	Per 100	Per 1000
WM. SCOTT.....	\$2.50	\$20.00
LIZZIE MCGOWAN.....	2.50	20.00
EVELINA.....	2.50	20.00
ARMAZINDY.....	2.50	20.00
NIVEA.....	2.50	20.00

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

4000 FIELD-GROWN
Carnation Plants

Argyle and Pingree, \$2 per 100.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO,

40,000 A1 MUMS

We are now marketing the cuts of some of the largest and best growers for this market. We have 49,000 blooms in sight, A1 in every respect, and the supply will hold on until Christmas or later. We can handle any order, none too small and none too large; give us yours.

Our own big range of glass is devoted exclusively to roses and we can at all times supply the best grades this market affords. Not only are our Beauties as good as the best, but our Brides, Maids and Meteors are a little better than most growers produce. We like to have buyers visit our rose houses at Bowmanville.

We have adequate supplies of the best quality of Carnations, all varieties standard and novelties. Give us your order.

Every order, of whatever nature, shipped within two hours of receipt and billed at Chicago market rates.

J. A. BUDLONG,

WHOLESALE GROWER OF CUT FLOWERS

37-39 Randolph St., CHICAGO.

PINK
Viviand-Morel
Mrs. Murdock
Maud Dean
Mrs. Perrin
Nemesis

YELLOW
Major Bonnaffon
Golden Wedding
Mrs. Whildin

WHITE
Fee du Champsaur
Mrs. Jerome Jones
W. H. Chadwick
Merry Christmas
Mrs. Robinson
Wanamaker
Mayflower
Canning
Ivory

Carnation Blooms.

65,000 PLANTS UNDER GLASS.

Why not buy your Carnation Blooms direct from grower and get good fresh stock. We have them in large quantities of all the leading commercial varieties, including G. H. Crane, White Cloud, Flora Hill, Mrs. Bradt, Eldorado, Madam Chapman, Maceo, Daybreak, McGowan and others. Also have 20,000 Violet Plants and picking large quantities daily. Write me your wants and get prices before you buy.

Address CHAS. CHADWICK, Grand Rapids, Mich. Lock Box 11.

It's Coming in a Few Days

Another Auction Sale of Boskoop Evergreens and choice hall and vestibule Decorative Shrubs, a duplicate of our famous sale of last Spring. Not possible to announce date yet, but full catalogues and descriptions will be mailed as soon as ready to all applicants. Apply now. A full catalogue of the contents of this sale will be published in the next issue of the AMERICAN FLORIST.

N. F. MCGARTHY & CO., Horticultural Auctioneers, 84 Hawley Street, Boston, Mass.

4 Acres Field-Grown Carnation Plants, 120,000

MAYOR PINCREE SWEETBRIER MRS. FISHER DOROTHY SWEET	CRIMSON SPORT MAUD ADAMS ALBERTINI \$1.00 per doz; \$1.00 per 100.	JUBILEE MCGOWAN PORTIA J. L. DILLON, Bloomsburg, Pa.	ELDORADO L. L. LAMBORN C. A. DANA
---	---	---	---

LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch.

A. S. MacBEAN, LAKEWOOD, N. J.

Only 6000 Left.
Extra Strong Field-Grown

SCOTT, MCGOWAN and ARMAZINDY, to close them out. Cash with order please. \$2 a 100, \$15 a 1000. WM. FLUEGGE, 154 Lawrence Ave., Station X, Chicago, Ill.

PERLES, MAIDS, Choice, strong 3-in. stock, which will soon pay for itself. \$4.00 PER 100. We need the room and will pay express on orders for 300 to points within 400 miles, or half of express within 1000 miles. CUT FLOWERS. High grade cut Roses and Chrysanthemums we can supply regularly at lowest prices. Write for particulars.

W. H. GULLETT & SONS, Lincoln, Ill.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Dreer's Special Offer of Hardy Perennials.

Varieties marked with a star (*) are specially suited for Cut Flowers.

Doz.		100		Doz.		100		Doz.		100	
*Achillea, The Pearl, 3-in. pots.....	\$.60	\$4.00	*Funkla Thos. Hogg.....	\$.75	\$6.00	Phlox Subulata Nelsoni.....	\$.75	\$6.00	Phlox Subulata Nelsoni.....	\$.75	\$6.00
" Filipendulina, strong.....	.75	6.00	*Gaillardia Grandiflora, 4-in. pots....	.75	6.00	" The Bride.....	.75	5.00	" The Bride.....	.75	5.00
" Millefolium Roseum, str.....	.60	4.00	" clumps.....	1.00	8.00	" Amena.....	.75	6.00	" Amena.....	.75	6.00
Egopodium Variegatum, 3-in. pots.....	.60	4.00	*Gypsophila Paniculata, 1 year old....	.75	6.00	*Divaricata Canadensis.....	.75	6.00	*Divaricata Canadensis.....	.75	6.00
Ajuga Reptans Variegata, 3.....	1.00	8.00	Geranium Sanguineum, strong.....	1.00	8.00	*Physostegia Virginiana, strong.....	.75	6.00	*Physostegia Virginiana, strong.....	.75	6.00
Anemone Pennsylvanica, 3.....	.75	6.00	Geum Coccineum fl pl.....	1.25	10.00	" Alba, str.....	.75	6.00	" Alba, str.....	.75	6.00
" Japonica Alba, 3.....	.75	6.00	*Helenium Grandicephalum Strati- atum strong.....	.75	6.00	*Pinks, in six choice vars., clumps..	.75	6.00	*Pinks, in six choice vars., clumps..	.75	6.00
" Whirlwind, 3- in. pots.....	.75	6.00	" Autumnale Superba, str., 1.00	8.00	8.00	*Platycodon Martesii, clumps.....	.75	6.00	*Platycodon Martesii, clumps.....	.75	6.00
" Elegans, 3-inch pots.....	.75	6.00	" Bolanderi, strong.....	1.00	8.00	" Japonicum, fl pl, clumps.....	.75	6.00	" Japonicum, fl pl, clumps.....	.75	6.00
" Lady Ardlaun, 3-in. pots.....	.75	6.00	" Pumilus.....	1.25	10.00	Plumbago Larpenda, clumps.....	1.00	8.00	Plumbago Larpenda, clumps.....	1.00	8.00
" Queen Charlotte, 3-in. pots.....	1.00	8.00	*Helianthus Maximiliana.....	.75	6.00	Polemonium Coeruleum.....	1.00	8.00	Polemonium Coeruleum.....	1.00	8.00
" Coupe d'Argent, 3-in. pots.....	1.00	8.00	" Multiflorus fl. pl.....	.75	6.00	" Himalayanum Album.....	1.25	10.00	" Himalayanum Album.....	1.25	10.00
Aquilegia Chrysantha, clumps.....	1.00	8.00	" Maximus.....	.75	6.00	Richardsoni.....	1.25	10.00	Richardsoni.....	1.25	10.00
" Alba, clumps.....	.75	6.00	*Helopsis Pitcherianus, strong.....	.75	6.00	Poppies, Oriental, 3-in. pots.....	.75	6.00	Poppies, Oriental, 3-in. pots.....	.75	6.00
" Cœrulea.....	.75	6.00	" Scaber Major.....	1.60	8.00	Primula Veris (Cowslip).....	.75	6.00	Primula Veris (Cowslip).....	.75	6.00
Arabis Alpina, strong.....	.75	6.00	Hemerocallis Dumortieri.....	1.00	8.00	" Vulgaris, English Primrose.....	.75	6.00	" Vulgaris, English Primrose.....	.75	6.00
Asclepias Tuberosa, strong.....	.75	6.00	" Flava.....	.50	4.00	*Pyrethrum Unguinosum, strong.....	1.00	8.00	*Pyrethrum Unguinosum, strong.....	1.00	8.00
Aster (Michaelmas Daisies), twelve choice varieties.....	.75	6.00	" Fulva.....	.50	4.00	" Hybridum, mixed seed- lings, clumps.....	1.00	8.00	" Hybridum, mixed seed- lings, clumps.....	1.00	8.00
Armeria Maritima.....	.60	4.00	" Kwanso fl. pl.....	.75	6.00	*Rudbeckia Newmanii, clumps.....	.75	6.00	*Rudbeckia Newmanii, clumps.....	.75	6.00
" Alba.....	.60	4.00	Heuchera Alba.....	1.00	8.00	" Sub tomentosa..... clumps.....	.75	6.00	" Sub tomentosa..... clumps.....	.75	6.00
*Bocconia Cordata, strong.....	.75	6.00	Hibiscus Crimson Eye, 1 year old.....	.75	6.00	" Golden Glow," large.....	1.25	10.00	" Golden Glow," large.....	1.25	10.00
*Boltonia Asteroides, strong.....	.75	6.00	" Mocheutos, 1 year old.....	.75	6.00	" strong.....	.50	3.00	" strong.....	.50	3.00
" Latisquama, strong.....	.75	6.00	Hollyhock Allegheny, in choice mix- ture.....	1.00	8.00	*Purpurea, strong.....	1.00	8.00	*Purpurea, strong.....	1.00	8.00
Callirhoe Involucrata.....	.75	6.00	" Choice Single, in choice mixture.....	1.00	8.00	Ranunculus Acris, fl. pl., strong.....	.75	6.00	Ranunculus Acris, fl. pl., strong.....	.75	6.00
Campanula Alaræfolia.....	.75	6.00	" Choice Double, in choice mixture.....	1.00	8.00	Santolina incana, 3-in. pots.....	.50	4.00	Santolina incana, 3-in. pots.....	.50	4.00
" Pyramidalis.....	1.00	8.00	" Choice Double, in 6 sep- arate colors.....	1.25	10.00	*Scabiosa Caucasica, blue.....	1.25	10.00	*Scabiosa Caucasica, blue.....	1.25	10.00
*Caryopteris Mastacanthus, strong.....	.75	6.00	*Hypericum Moserianum, 1 year old, Iris Germanica, 10 choice named sorts.....	.75	6.00	" Alba.....	1.25	10.00	" Alba.....	1.25	10.00
Cerastium Pomentosum, strong.....	.75	6.00	" Kämpferi, 24 choice named sorts.....	1.50	10.00	Sedum Acre, clumps.....	.50	4.00	Sedum Acre, clumps.....	.50	4.00
" Boissieri, strong.....	.75	6.00	*Lobelia Cardinalis, strong.....	.60	4.00	*Spectabilis.....	1.25	10.00	*Spectabilis.....	1.25	10.00
Cimicifuga Racemosa.....	1.00	8.00	" Queen Victoria, 3-in. pots.....	.75	6.00	*Spiræa Ulmaria.....	1.00	8.00	*Spiræa Ulmaria.....	1.00	8.00
Clematis Davidiana, 1 year old.....	.75	6.00	" Apollo, 3-in. pots.....	1.50	12.00	" Filipendula, fl. pl.....	.75	6.00	" Filipendula, fl. pl.....	.75	6.00
*Coreopsis Lanceolata Grandiflora, clumps.....	.75	6.00	" Syphilitica, clumps.....	.60	4.00	" Chinensis.....	1.50	10.00	" Chinensis.....	1.50	10.00
*Delphinium Chinensis, 1 year old.....	.75	6.00	*Lychnis Vespertina Alba, clumps.....	1.25	10.00	" Aruncus.....	1.00	8.00	" Aruncus.....	1.00	8.00
" Formosum, 1 year old.....	.75	6.00	" Chalcedonica, fl. pl.....	1.50	12.00	" Venusta.....	2.00	15.00	" Venusta.....	2.00	15.00
" Sulphureum, 2 year old.....	2.00	15.00	" Haageana.....	.75	6.00	*Stalice Latifolia, 1 year old.....	1.25	10.00	*Stalice Latifolia, 1 year old.....	1.25	10.00
" Belladonna, 3-inch pots.....	2.00	15.00	Semperflorana Plenissima.....	1.00	8.00	*Stokesia Cyanea, 2½-in. pots.....	1.50	10.00	*Stokesia Cyanea, 2½-in. pots.....	1.50	10.00
*Dictamnus Fraxinella, pink.....	1.00	8.00	Viscaria Splendeca, clumps.....	1.25	10.00	*Thalicttrum Aquilegifolium.....	1.25	10.00	*Thalicttrum Aquilegifolium.....	1.25	10.00
" white.....	1.25	10.00	Lythrum Roseum Superbum.....	.75	6.00	" Atropur- pureum.....	1.25	10.00	" Atropur- pureum.....	1.25	10.00
Dielytra Eximia.....	1.00	8.00	*Lysimachia Clethroides, strong.....	.75	6.00	Thermopsis Caroliniana, 1 year old.....	1.00	8.00	Thermopsis Caroliniana, 1 year old.....	1.00	8.00
" Spectabilis, strong clumps.....	.85	6.00	" Nummularia.....	.50	4.00	Thymus Montanus Albus, divisions.....	.75	6.00	Thymus Montanus Albus, divisions.....	.75	6.00
Digitalis, strong.....	1.00	8.00	Monarda Didyma Rosea, clumps.....	.75	6.00	" Vulgaris Coccinea.....	.75	6.00	" Vulgaris Coccinea.....	.75	6.00
*Doronicum Exelsum, strong.....	1.60	8.00	" Fistulosa Alba, clumps.....	.75	6.00	Tradescantia Virginica, strong.....	.75	6.00	Tradescantia Virginica, strong.....	.75	6.00
" Austriacum, strong.....	1.00	8.00	Mertensia Virginica.....	1.00	8.00	Tricyrtis Hirta Nigra, 3-in. pots.....	1.00	8.00	Tricyrtis Hirta Nigra, 3-in. pots.....	1.00	8.00
" Caucasicum, strong.....	1.00	8.00	Enothera Speciosa, 3 in. pots.....	.75	6.00	*Tritoma Uvaria Grandiflora, clumps, 15 divisiona.....	.75	6.00	*Tritoma Uvaria Grandiflora, clumps, 15 divisiona.....	.75	6.00
Draba Androsacea, 2½ in. pots.....	.75	6.00	" Frazeri, 3-in. pots.....	.75	6.00	" Pitzeri.....	1.50	10.00	" Pitzeri.....	1.50	10.00
*Erigeron Purpureum, strong.....	1.50	12.00	" Cespitosa, 3-in. pots.....	.75	6.00	*Trollius Europæus.....	1.00	8.00	*Trollius Europæus.....	1.00	8.00
Epimedium Lilacea, strong.....	2.00	15.00	*Pardanthus Sincensis, strong.....	.50	3.00	" Orange Globe.....	2.00	15.00	" Orange Globe.....	2.00	15.00
" Macraethum, strong.....	2.00	15.00	*Pentstemon Barbatus Torreyii, str.....	1.00	8.00	" Incana Subsessilis, str.....	2.00	15.00	" Incana Subsessilis, str.....	2.00	15.00
" Niveum, strong.....	2.00	15.00	" Cœruleus, strong.....	1.00	8.00	" Rupestris, strong.....	1.00	8.00	" Rupestris, strong.....	1.00	8.00
" Sulphureum, strong.....	2.00	15.00	Phlox Subulata Rosea.....	.75	6.00	" Spicata, strong.....	1.00	8.00	" Spicata, strong.....	1.00	8.00
Eryngium Planum, strong.....	1.25	10.00	" Alba.....	.75	6.00	" Alba, strong.....	1.00	8.00	" Alba, strong.....	1.00	8.00
*Eupatorium Coelestinum, 3-in. pots.....	.75	6.00	" Atropurpurea.....	.75	6.00	Viola Pedata.....	.60	4.00	Viola Pedata.....	.60	4.00
Funkia Cœrulea.....	.60	4.00	" Lilacea.....	.75	6.00	" Bicolor.....	.75	6.00	" Bicolor.....	.75	6.00
" Alba.....	1.00	8.00				" Double Russian.....	.60	4.00	" Double Russian.....	.60	4.00
Funkia Variegata.....	.75	6.00				" Hardy Yellow.....	.75	6.00	" Hardy Yellow.....	.75	6.00
						Vinca Minor, very strong clumps.....	.75	6.00	Vinca Minor, very strong clumps.....	.75	6.00
						Yucca Filamentosa, strong.....	1.25	10.00	Yucca Filamentosa, strong.....	1.25	10.00

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

GRAND OFFER TO CLOSE. Fine Plants. None Better.

We are compelled to move them. We must have room. A grand benefit to anyone desiring good Rose Plants.

Per 100		Per 1000		Per 100		Per 100	
1000 Bridesmaids.....	3½-in. pots, \$1.50	\$12.00	200 Golden Gate.....	2½-in. pots, \$1.50	Asparagus Sorengerii.....	6-in. pots, \$25.00	
500 ".....	2 " 1.00	9.00	50 Lady Dorothea.....	2½ " 1.50	" ".....	3 " 6.00	
3500 Brides.....	3 " 1.50	12.00	700 Maid of Honor.....	4 " 2.00	" ".....	2 " 3.00	
1200 ".....	2 " 1.00	9.00	700 ".....	2½ " 1.00	Ficus Elastica, 6-in. pots, 50c, 75c and \$1.00 each		
3000 Meteors.....	3 " 1.50	15.00	Latania Borbonica.....	3-in. pots, \$15.00	" " 7 and 8-in. pots, \$1.50 to \$2.00 "		
500 Mme. Chatenay.....	4 " 1.50		Areca Lutescens.....	4 " 25.00	Boston Fern, 6-in. pans.....	.60c	
100 Mme. Cusin.....	2 " 1.00		Cocos Weddelliana.....	3 " 15.00	" " 8 ".....	.75c	
125 ".....	4 " 1.50				" " ".....	\$1.00 to \$1.50	

Plants are vigorous and unusually fine, and will be carefully packed. We guarantee them to be right in every respect.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

Please mention the American Florist when writing.

STRONG FIELD-GROWN PLANTS OF Farquhar Violets.

Free from disease of any kind. \$6.00 per 100; \$50.00 per 1000.

JOHN McFARLAND, North Easton, Mass.

PANSIES WORTH RAISING...

Plants all sold for the present.

WMR. SOLTAU, 199 Grant Av., Jersey City, N.J.

CHRYSANTHEMUMS. STOCK PLANTS

New and standard varieties. Send for list. Early varieties ready now.....

CARNATIONS—Field-grown plants all sold. Orders booked now for rooted cuttings of Genevieve Lord, the finest commercial pink to date. Ready Jan. 1st. \$5 per 100; \$40 per 1000. Correspondence with large growers especially invited. H. WEBER & SONS, Oakland, Md.

Please mention the American Florist when writing

BOSTON FERN ...A... SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Latania Palm Plants

Pots.	Plants to pot	Leaves	Per doz
6-in.	1 20 to 22-in. high	6 and 7	\$ 6.00
6-in.	2 20 to 22 " "	10	9.00
6-in.	3 20 to 22 " "	12 to 14	12.00
7-in.	1 2 ft. ht. & diam.	7 to 8	15.00
7-in.	2 " " "	10 to 12	18.00
7-in.	3 " " "	12 to 16	18.00
8-in.	1 2½ " " "	8 to 9	18.00
8-in.	2 2½ " " "	15	20.00
8-in.	3 2½ " " "	18 to 20	24.00

Ficus Elastica, 6-in. pots, 2½ ft. high, 16 to 20 leaves, \$9.00 per doz. \$85.00 per 100. Pandanus Veitchii and Croton Plants, prices on application.

J. WM. COLFLESH, 53d & Woodlawn, W. Phila, Pa. Please mention the American Florist when writing.

Indianapolis.

PLEASANT WEATHER PROVES UNPLEASANT FOR GROWERS.—FLORISTS ASSIST COMRADE AT AN ANNIVERSARY.

Much to the dislike of growers, we have had most beautiful warm weather up to date, with but one little touch of frost; consequently flowers of all kinds are plentiful, especially roses and chrysanthemums, and low prices prevail. Fortunately there is a good demand and the stock is all absorbed. Violets, which were plentiful and comparatively good this time last year, are yet away behind regarding flowers.

October 25 thirteen florists enjoyed the hospitality of Robert McKeand at his residence in Garfield Park. On that day Mr. and Mrs. McKeand were celebrating the fifteenth anniversary of their wedding. Among other presents was a chair from their florist friends. In his address of thanks Mr. McKeand had much to say of the kindness and true friendship shown to him by his fellow florists, to which he said was due the larger part of his success in life, especially in this city, but we all knew better, for a man as good natured, broad minded and expert in his calling cannot help make friends and be successful. Excellent spirits prevailed during the evening and a political discussion between Messrs. Langstaff and Hukriede was an especially entertaining feature.

William Bertermann has returned from Germany. H. J.

LONG ISLAND CITY, N. Y.—At three o'clock on the morning of October 18 the four greenhouses of Mrs. Mathias Olm were destroyed by a fire due to defective heating apparatus. The place will be rebuilt.

NOW IS THE TIME

TO LAY IN YOUR SUPPLY OF FINE.....

Boston Ferns

For your holiday trade. Four and five-inch are nice sizes to buy. We have them in all sizes. Write us for prices.

GEO. A. KUHL

Grower of Roses, Carnations, etc. PEKIN, ILL.

TO BE IN TIME FOR OUR GRANDAUTUMN NUMBER

Which will be issued November 10, your special advertisement should be mailed now to the

American Florist Co.,

324 Dearborn St. CHICAGO.

Violets MARIE LOUISE.

2000 strong, healthy plants, from 3-in. and 4-in. pots, \$25 per 1000.

E. M. & H. N. HOFFMAN, ELMIRA, N. Y.

LA FRANCE VIOLETS.

250 good, healthy plants, at \$2.50 per 100, or the lot for \$6.00.

CASH WITH ORDER.

LEO WELLENREITER, Danvers, Ill.

FINE Bays

Pyramids and Standards.

Specimen Rhododendrons for Forcing, Adiantum Farleyense, Azaleas, Ficuses, Acacias, Araucarias, Boston Ferns, Small Ferns, Fine cut Fronds of Adiantum tenerum, Lorraines.

Edgar, WAVERLEY, MASS.

AZALEAS

Received 20,000 in the best New York market varieties, sizes as follows:

	Per doz.	Per 100	Per 1000
8 to 10.....	\$ 3.50	\$27.50	\$250.00
9 to 11.....	4.10	30.00	285.00
10 to 12.....	4.50	35.00	325.00
12 to 14.....	6.00	42.50	400.00
14 to 16.....	7.50	55.00	525.00
16 to 18.....	12.00	90.00	

Large plants, \$1.25, \$1.50, \$2 and \$3 each. Also Large Consignment of Palms. Write for sizes and prices.

Cold Storage Valley, Hamburg Pips, case lots of 1000, \$12.50.

Send for our special price list of Bulbs

BOBBINK & ATKINS, Rutherford, N. J.

ASPARAGUS

Sprengeri and Plumosus Nanus

Extra strong stock from 2 1/2-in. pots, \$5 per 100, \$40 per 1000. (Ready for 3-inch.)

JACKSON & PERKINS CO., Newark, New York.

FERNS

Pteris Albo-Lineata, Cretica Nobilis, Winn., Serrulata, Major Cristata. } \$3 per 100, \$25 per 1000. CASH WITH ORDER.

J. F. Kidwell & Bro., 3806-24 Wentworth Av., Chicago.

5000 VINCA MAJOR VARIEGATA

Field-grown, long tops, \$6.00 per 100; 500 for \$25.00. Extra fine California Violets, clumps, \$3.00 per 100; L. H. Campbell, \$5.00 per 100; Blue and Crimson Spiraea, field stock, \$6.00 per 100; 2 1/2-in., \$1.00 per 100. Hydrangea Grandiflora and other Shrubs and Vines, also 50,000 CANNAS. What do you want. CASH PLEASE.

BENJ. CONNELL, Florist, West Grove, Pa.

PANSIES

Only 50,000 nice plants now on hand. These are grown from the best seed in the world, and sure to please you. 50c per 100; \$3 per 1000. S. T. DANLEY, Macomb, Ill.

PANSIES.

Large flowering Giant, ready for planting now, 50c per 100 by mail, \$3.00 per 1000 by express. In lots of 3000 or over, \$2.50 per 1000.

CINERARIAS.

Fine dwarf Hybrids in splendid mixture, \$2.00 per 100, from 2 1/2-inch pots. E. FRYER, Batavia, Ill.



	100	1000
Pansy Plants, 10 leaves.....		\$ 5.00
Geraniums, choice mixed, 2 1/2-in....	\$1.50	12.50
Chinese Primroses, mixed, 2 1/2-in....	1.50	12.50
Hardy Grass Pinka, (clumps).....	1.50	12.50
Begonias, flowering, mixed, 2 1/2-in.	1.50	12.50
Calla Bulbs, medium sized.....	5.00	40.00
Sedum variegatum, (Border Plant)....	2.00	15.00
Rose Geraniums, 2 1/2-in.....	1.50	12.50
R. C. Carnation Morning Glory, lt. pink.....	5.00	40.00
Pansy Seed, Giant Flowering mixed, per oz.		\$1.00.
Hardy Ferns, mixed, 4-in., per 100, \$5.00; per 1000, \$40.00.		

5 Plants at 100 rates; 250 at 1000 rates. CASH PLEASE.

The Morris Floral Co., Morris, Ill.

CALADIUMS Fancy leaved, 40 named sorts.

	Per 100	Per 1000
Dry bulbs, 1 1/2 to 2 1/2-in.....	\$10.00	\$90.00
Dry bulbs, 1 to 1 1/4-in.....	8 00	70 00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in.....\$30.00

PHŒNIX CANARIENSIS & TENUIS,

Very stocky. 3-4 characterized leaves, 15-18-in..... 15.00
4-5 " " 20-24 " " 25.00
5-6 " " 24-30 " " 40.00

PHŒNIX RECLINATA, 3-4 characterized

leaves, 15-18-in., very stocky..... 25.00

LATANIA, 4-5 characterized leaves, 18-20-in.....

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in..... 12.00

Not less than 50 at above rates. Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.

Please mention the American Florist when writing.

100,000 Vines

AMPELOPSIS QUINQUEFOLIA, X strong, field-grown 2 and 3 years. 1d. \$5 per 100; \$40 per 1000. AMPELOPSIS VITIFOLIA strong 2 years, field-grown, \$5 per 100; \$45 per 1000. Strong, 3 years, from 4 inch pots, 43 per 100. CLEMATIS PANICULATA, strong, field-grown, 1 year, \$3.50 per 100; \$25 per 1000. 2 years, \$5 per 100; \$40 per 1000. 3 years, \$8 per 100; \$75 per 1000. CLEMATIS FLAMMULA, X strong, 3 years, \$6 per 100.

EUONYMUS RADICANS VARIEGATA,

strong 2 and 3 years, \$6 per 100; \$50 per 1000.

IVY, ENGLISH, strong, 1 year, field-grown. 2 to 3 ft., \$5 per 100; \$40 per 1000. Strong, 1 year, from 4-in. pots, \$8 per 100; \$70 per 1000.

HONKYSUCKLE, HALL'S JAPAN, strong, 2 years, field-grown, \$5 per 100; \$40 per 1000. X strong, 3 years, field-grown, \$6 per 100; \$50 per 1000.

Sample sent on application. Address

Mount Airy Nurseries, 7356 Germantown Ave., Philadelphia, Pa. THADDEUS N. YATES, Proprietor.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/2-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early From

Money Order Office, Sta. H. Philadelphia. EDWIN LONSDALE, Wyndmoor, (Near Phila.) Pa.

N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

SPECIALTIES IN BESTVARIETIES

ROSES, from 3-inch pots. CARNATIONS, for all delivery. CHRYSANTHEMUMS. SMILAX.

Prices low. Send for list. VIOLETS. WOOD BROTHERS, FISHKILL, N. Y.

WIDE AWAKE FLORISTS ARE PUTTING IN THEIR CHRISTMAS STOCK OF PLANTS

Before cold weather, thereby taking advantage of low freight rates and the following very reasonable quotations for well-grown, strong, healthy Palms, Ferns and Decorative Plants. Our stock is still complete and we can make shipments at once. We offer these plants in comparison with the stock and prices of other growers.

Nephrolepis Wittboldii is meeting with a warm welcome far and wide over the country. We think it every whit as good as the Boston Fern, if not quite a little better, and some of the very best growers are sharing in our enthusiasm. We are sending plants daily to almost every state in the Union, but *Nephrolepis Wittboldii* propagates very rapidly and we can still offer strong rooted runners, for 3-inch and 4-inch pots, for shipment upon receipt of order. Introductory price, \$1 each; \$10 a dozen; \$75 per 100.



Nephrolepis Wittboldii. Strong Runners, ready for 3-in. and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

Kentias==Latanias

Varieties	Size Pot	Height Inches	Nu. Leaves	Per Each	Per Doz.	Per 100	Per 1000
Kentia Belmoreana	2 1/2	8 to 9	3 to 4	\$ 1.50	\$12.00	\$100.00	
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00	180.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	30.00	300.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00	600.00
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00	90.00	900.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	125.00	
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00	
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00	
Kentia Belmoreana	8	42 to 48	6	3.25	39.00	300.00	
Kentia Forsteriana	2 1/2	8 to 9	3 to 4	1.50	12.00	100.00	
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00	180.00
Kentia Forsteriana	4	14 to 16	5 to 7	.40	4.00	30.00	300.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	60.00	600.00
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00	90.00	
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	125.00	
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00	
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00	
Latania Borbonica	2 1/2		3	.60	5.00	40.00	
Latania Borbonica	3	12	5 to 6	1.00	8.00	75.00	
Latania Borbonica	3 1/2	12 to 15	5 to 6	.15	1.50	12.00	100.00
Latania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00	175.00
Latania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00	300.00
Latania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00	
Latania Borbonica	6	24 to 30	6 to 8	.75	9.00		
Areca Lutescens	2 1/2	5 to 6	3 plants in pot	1.00	8.00		
Areca Lutescens	3 1/2	12 to 14	3	"	2.00	15.00	
Areca Lutescens	4	15 to 18	3	.25	3.00	25.00	

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Serrulata	2-inch	.50	4.00
Pteris Tremula	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtomium Falcatum	3-inch	1.00	8.00
Cyrtomium Falcatum	4-inch	1.50	10.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Bostoniensis	4-inch	2.00	15.00
Nephrolepis Bostoniensis	5-inch	3.00	
Nephrolepis Bostoniensis	6-inch	6.00	
Nephrolepis Bostoniensis	7-inch	9.00	60.00
Nephrolepis Cordata Compacta	5-inch	2.00	15.00
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

..Asparagus..

	Size Pot	Doz.	Per 100
Asparagus Plumosus Nanus	3-inch	\$ 1.00	\$ 8.00
Asparagus Plumosus Nanus	4-inch	1.50	12.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	6-inch	5.00	
Asparagus Sprengerii	8-inch	10.00	
Asparagus Tenuissimus	3-inch	1.00	8.00

The several sizes of Asparagus Sprengerii are especially strong and large value.

Miscellaneous.

	Pot	Height	Leaves	Each	Doz.	Per 100
Araucaria Excelsa, 3-inch, nice plants					\$.50	
Araucaria Excelsa, 3 1/2-inch, nice plants					.75	
Araucaria Excelsa, 5-inch, nice plants					1.00	
Ficus Elastica	6	22 to 23	12 to 14	\$.75	\$ 7.20	\$60.00
Ficus Elastica	7	24 to 28	14 to 16		10.00	75.00
Ficus Elastica	8	28 to 34	16 to 18		12.60	100.00
Pandanus Urtilis	2 1/2	6 to 8	10 to 12		1.00	8.00
Pandanus Urtilis	3	8 to 10	12 to 15		2.00	15.00
Pandanus Veitchii	6	extra fine			18.00	
Dracena Terminalis	3 1/2				2.00	
Dracena Terminalis	4				4.00	
Dracena Terminalis	5				6.00	
Cocos Weddeliana	3			.25	2.00	15.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50		
Phoenix Reclinata	3		4 to 6		1.50	10.00
Phoenix Canariensis	3		4 to 6		1.50	10.00
Aspidistra Lurida	4				3.00	
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00	
Corypha Gebanga	3	12	5 to 6		3.00	
Sansevieria Java Var., 2-inch, strong plants					dozen	.60
Sansevieria Java Var., 3-inch, strong plants					"	1.25
Sansevieria Java Var., 4-inch, strong plants					"	2.00
Maranta Kerchoviana, 3 1/2-inch					"	2.00
Zingiber Officinale, Ginger Plant, 4-inch					"	2.00
Zingiber Officinale, 5-inch					"	3.00
Curculigo Recurvata, 4 inch					"	2.00
Curculigo Recurvata, 5-inch					"	4.00
Cyperus Alternifolius, 5-inch					"	1.50
Cyperus Alternifolius, 6-inch					"	2.00

NEPHROLEPIS WITTBOLDII, strong runners, ready for 3 and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place, CHICAGO, ILL.

Baltimore.

VARIOUS ITEMS OF INTEREST IN THE METROPOLIS OF MARYLAND.—DOINGS OF PARK BOARD.—PLANS OF HORTICULTURISTS.

The third annual meeting of the Maryland State Horticultural Society will be held in Baltimore, December 20 and 21. There will be a large exhibition. Addresses will be made by Prof. L. H. Bailey, of Cornell University; by J. H. Hale, the New Englander who has become the peach king of Georgia, and by Roland Morrill, the Benton Harbor, Mich., seed and fruit grower.

The park board is expending between \$4,000 and \$5,000 in the erection of several propagating houses in Carroll, Patterson and Clifton Parks, which will affect a saving of fully \$5,000 a year hereafter. During the winter the board expects to propagate 550,000 stock plants for the different parks and squares.

Sam'l Feast & Sons are preparing to leave the stand where they have been for many years, and take a building adjoining that of Halliday Bros., one block farther up Charles street. They are very busy just now making the needful alterations.

Quite a glut of white roses is on, and complaints of dull trade are general; in fact, the quiet, deserted appearance of the retail localities, proclaims the fact more convincingly than the lips of the proprietors. MACK.

AURORA, ILL.—A. Warimont, gardener at the C. B. & Q. greenhouses, has a pure white seedling chrysanthemum which he expects to exhibit at the Chicago show.

To be in time for our grand Autumn Number which will be issued November 10, your special advertisement should be mailed now to the American Florist Co., 324 Dearborn St., Chicago.

CHOICE STOCK, LOWEST PRICES.

ROSES—A fine lot of Brides and Maids, strong 3-in., and 2½-in. Perle, \$2.00 per 100 to close out.

CARNATIONS—500 strong McGowan from field, \$2.00 per 100 to close out.

COLEUS—Our champion collection, latest and choicest varieties only. Strong 2-in., \$2 per 100.

NEW AGERATUMS—Louise Bonnett, the latest novelty in white. Rooted cuttings, 75c per 100. Princess Pauline, light blue, rooted cuttings, 50c per 100.

ALTERNANTHERAS—Bright red, variegated and yellow, 50c per 100, \$4.00 per 1000. Special low price for two weeks only.

SALVIA SPLENDENS—Best of All, rooted cuttings, 75c per 100 (special) for ten days.

ASPARAGUS SPRENGERII—XX strong 3 in., ready for 4-in., 4c; strong 2½-in., ready for 3-in., only 2½c (special).

GERANIUMS—Brannti and Heteranthe, the two best scarlets; rooted cuttings, \$1.25 per 100, \$10.00 per 1000 (special). Mme. Sallerot, strong 2-in., 2½c.

SMILAX—Strong 2-in., \$1.25 per 100.

VINCAS—Strong clumps from field, \$2.00 per doz.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

PRIMROSES.

Chinese, large flowering, 2-in. pot. \$1.25
 ASPARAGUS Sprengerii, 2-inch pots. 2.50
 " Plumosus, 2-inch pots. 3.50
 Pansy Plants, ready Nov. 15, \$2.50 per 1000.50

CASH PLEASE.

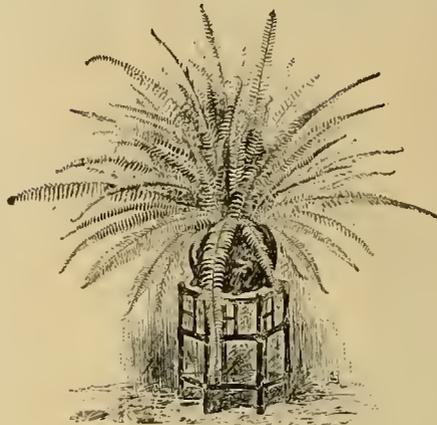
JOS. H. CUNNINGHAM, Delaware, O.

ASPARAGUS PLUMOSUS NANUS.

Extra fine stock, from 3-in. pots, just right for Christmas trade, \$7.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

CHEAP TO CLOSE OUT.



Boston Ferns, the true variety, from 3¼-in. pots, \$3 per 100, \$25 per 1000. Don't be afraid that our stock of Boston Ferns will run out. We have sold 75,000 the past six weeks, but still have 125,000 fine plants on hand. Better buy now, as price is sure to advance.

Asparagus Sprengerii, from 2½-in. pots, \$2.50 per 100, \$20 per 1000.

Acalypha Sanderi, from 2½-in. pots, fine plants, \$3 per 100, \$25 per 1000.

Acalypha Sanderi, from 3-in. pots, strong plants, \$5 per 100.

Crotons, 12 best bedding varieties, from 2¼-inch pots, elegant plants, \$3 per 100, \$25 per 1000. These will be fine to shift on for next year's bedding.

Ponderosa Lemon, largest Lemon grown, bears fruit weighing two pounds and over, and fruits when quite small. Is bound to become a popular plant. Fine plants from 2½-in. pots, \$1 per doz., \$7 per 100. Extra strong plants ready to bloom at once, \$1.50 per doz.

Calla Lilies, 1¼ to 1½-in. diameter, 75c per dozen, \$5 per 100.

Calla Lilies, 1½ to 1¾-in. diameter, \$1.25 per dozen, \$7 per 100.

The two new Russellias, Lemoinei Multiflora and Lemoinei Elegantissima, 50c per doz., \$3 per 100.

Bougainvillea Sanderiana, from 2¼-inch pots, \$6.00 per 100, \$60.00 per 1000.

Weeping Lantanas, 2½-inch pots, \$2.00 per 100, \$18.00 per 1000.

Otaheite Orange, from 2½-inch pots, \$3 per 100, \$25 per 1000; from 3-in. pots, \$4.50 per 100, \$40 per 1000.

Ficus Elastica, perfect specimens of this fine Rubber Plant, 15 to 18 in. high, \$3.25 per doz., \$25 per 100.

Araucaria Excelsa, Norfolk Island Pine, fine plants with four tiers of leaves, \$1 each, \$10 per doz.

Marchal Niel Rose, 15 inches and over in height, healthy plants, \$4 per 100, \$35 per 1000.

Roses all the leading varieties of Teas from 4-inch pots, fine plants in perfect health, \$8 per 100. All the leading varieties of Hybrid Teas from 4-inch pots, elegant stock, \$10 per 100.

Send us your list of Roses for quotation. We have 2,000,000 plants in stock. Our Fall Trade List of all kinds of Roses, Plants and Bulbs now ready. Write for it.

The GOOD & REESE CO., LARGEST ROSE GROWERS IN THE WORLD, Springfield, O.

NOVELTIES.

New Daisy Rose SNOWFLAKE

See illustration in American Florist of September 15th.

\$3.50 per 12, \$15 per 100. Always in bloom.

- New Rose "Little Darling" or 1000 Blossoms, 75c per 12; \$6.00 per 100.
- Jack-and-the-Bean-Stalk Vine (Kudzu), \$1.00 per 12; \$7.00 per 100.
- Climbing Lily of the Valley (Salpichroa), 75c per 12; \$5.00 per 100.
- Lace Fern, froods last four weeks and over, 75c per 12; \$5.00 per 100.
- Boston Fern, 2½-inch, 60c per 12; \$4.00 per 100; larger all prices.
- Baby Primrose, 60c per 12; \$1.00 per 100. Easter Primrose same price.
- Bougainvillea, fine, 4-inch pots, \$10.00 per 100. New Ruellia, 50c per 12.
- New Pink Sweet Scented Astilbe Chinense, very fine for forcing. Large clumps, \$10.00 per 100; \$1.50 per 12. Smaller, half price.

- New Deutzias, Lemoine's three latest novelties, \$1.00 per 12; \$7.00 per 100.
- New Russellias, extra fine for Christmas, 60c per 12; \$4.00 per 100.
- Grand Crimson Passion Flower, variegated leaves, \$1.00 per 12.
- Cyperus Gracilis, best for jardinerea, 50c per 12; \$3.00 per 100.
- Asparagus Sprengerii, over 10,000 in stock. Extra strong 2½-inch, ready for 3¼-inch, \$5.00 per 100; 75c per 12; 3¼-inch, ready for 5-inch, \$8.00 per 100; strong 5-inch, \$2.00 per 12; 6-inch, \$3.00 per 12.

CALLAS, Little Gems, \$3.00 per 100. Spotted Leaf, \$2.00 to \$4.00 per 100. Yellow Callas, \$3.00 per 12. Fragrant Calla, \$1.50 per 12.

Amaryllis, 500 sorts. Cannas, 200 sorts. Dahlias, 500 sorts.

A. BLANG & CO., Philadelphia, Pa.

HEACOCK'S PREMIUM PALMS.

3 plants, 6-inch pot, 24 to 28 inches		ARECA LUTESCENS.	\$12.00 per dozen; \$100.00 per 100	
3	" 8	36-inch, fine	\$3.00 each	
1 plant, 2¼-inch pot, 8 to 10 inches high		COCOS WEDDELIANA.	\$15.00 per 100	
1	" 3	10 to 12	20.00 per 100	
1	" 4	18 inches high	.50 each	
3	" 5	18	1.00 "	
4-inch pot, 5 to 6 leaves, 15 inches high		KENTIA BELMOREANA.	\$ 4.50 per dozen; \$ 35.00 per 100	
6	" 6	24	15.00 " 125.00 "	
8	" "	6 to 7	30 to 32 inches high	\$3.00 each.
4-inch pot, 4 to 5 leaves, 15 inches high		KENTIA FORBSTERIANA.	\$1.50 per dozen; \$35.00 per 100	
6	" 5	24 to 28 inches high	\$1.00 each; \$12.00 per doz-u	
6	" "	5 to 6	30	1.25 " 15.00 "
8	" 6	36 to 40	3.00 " 36.00 "	
8	" 6	48 to 50	4.00 " 48.00 "	

JOSEPH HEACOCK, Wynote, Pa.

Please mention the American Florist when writing.

To Be In Time for Our Grand Autumn Number

WHICH WILL BE ISSUED NOVEMBER 10.

Your special advertisement should be mailed NOW to the

AMERICAN FLORIST CO., - 324 Dearborn Street, Chicago.

THE ANNUAL AUTUMN NUMBER

...OF THE...

American Florist

...WILL BE ISSUED...

NOVEMBER 10.



THIS splendid Special Issue of the American Florist will come in the week of the Chrysanthemum Shows in all the principal cities. It will contain reports of all these exhibitions, well illustrated and printed in the highest style of the art. These special issues have become famous for their technical, artistic and literary excellence, and this Autumn Number will excel its predecessors both in interest and in business bringing powers.

Copies of this number will be mailed throughout the United States and Canada to every person in the trade whose business is worthy of consideration, also to leading foreign houses.

Advertisements in body pages will be taken at our ordinary rates, namely \$1.00 per inch, \$30.00 per page of thirty inches, with the usual discounts on time contracts. Advertisements on second, third and fourth *Special Cover Pages* (printed on heavy toned paper), \$30.00 per page, net.



AMERICAN FLORIST COMPANY,

324 Dearborn Street,

.....CHICAGO, ILL., U. S. A.

In order that you may be given the best possible position and display

PLEASE MAIL YOUR ADVERTISEMENT NOW.

THIS IS THE TIME TO DO BUSINESS.

Wheeling, W. Va.

Hess a Benedict and the owner of well filled houses.—TRADE GOOD, CONSIDERING THE SEASON.—NOTES OF THE GROWERS.

Max L. Hess is wreathed in smiles and as happy as the proverbial lark. And no wonder; his chrysanthemums are the talk of the town, such varieties as Mrs. Robinson, Glory of Pacific, Monarch, Henderson and others having surpassed his own expectations, while his carnations are doing nobly. Nor is there any complaint about roses. A stroll through his range of houses proved quite interesting, everything about the establishment showing care, neatness and order. There is, however, another more potent reason, for Mr. Hess' happy frame of mind. His beautiful home is no longer the abode of the lonely bachelor. Max has embarked upon the sea of matrimony, having married Miss Anna Hess on August 8. Congratulations are still in order.

L. A. Smith has added a good sized, up-to-date house to his range, which is filled to the brim with azaleas, palms and rubbers. Mr. Smith has no complaints to make, save one. He thinks that August weather during the latter part of October is altogether out of place. There is not a business man who will dispute it.

Franz Laupp has given his houses an overhauling and is growing more carnations than heretofore. He also grows a large quantity of bulbous stock. Business, considering the weather, the election, or the uncertainty thereof, has been quite brisk and encouraging.

W. F. Zane & Son seem well equipped to meet the demands of their increased cut flower trade. Bedding and all sorts of decorative plants are still the leading features of their business, but they have of late added cut flowers and have found it a paying branch. **NOMIS.**

NORTHFIELD, MASS.—Jas. Field and Frank Perould have rented the greenhouse of Mrs. John Morgan.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors, a splendid stock of plants well set with buds from 3-inch pots, \$7.00 per 100; \$65.00 per 1000. From 4-inch pots, extra fine, \$1.50 per dozen; \$12.00 per 100.

NEW CROP SEED—Now ready. Album, pure white; Rubrum, dark red; Roseum, bright rose; Picturatum, white claret base; separate, per 100 seeds, \$1.00; per 1000 seeds, \$9.00; mixed, 90c per 100; \$8.00 per 1000.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Violets.

A few clumps of PRINCESS OF WALES left, \$5.00 per hundred.

Acalypha Sanderi.

2 1/2-inch.....\$3.00 per hundred.

The **CONARD & JONES COMPANY,** West Grove, Pa.

Smilax Plants. Strong, bushy plants from 2 and 2 1/2-in. pots. Must sell to make room. \$5 a 1000, 75c a 100, cash. Write for sample and price on large lots.

R. KILBOURN, Clinton, N. Y.

CARNATIONS.

To close out, Armazindy, Evanston, Dana, Portia and Eldorado, at \$3 00 per 100. All others sold. Good plants. Cash.

DANA R. HERRON, - OLEAN, N. Y.

VINCA MAJOR VARIEGATA, strong field-grown clumps, 8 to 12 vines, 2 to 4 feet long, \$4.00 per 100. CASH.

H. DANN & SON, Westfield, N. J.

40,000

Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—\$35, \$50, \$75 and \$100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....\$35 per 100 14 to 16 inches in diameter.....\$50 per 100
12 to 14 inches in diameter.....45 per 100 16 to 18 inches in diameter.....12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2 1/2 in. pots ready for shifting into 3 in.....\$5 per 100 Strong 3 in. pots.....\$8 per 100
Asparagus Sprengerii—2 1/2 in.....\$5 per 100 **Asparagus Sprengerii**—3 in.....\$7 per 100

BOSTON FERNS.

Strong 2 1/2 in. pot plants.....\$40 per 1000 Strong 4 in. pot plants.....\$15 per 100
Strong 5 in. pot plants.....\$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....\$12 per 100
\$100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....\$10 per 100
\$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.



Express Prepaid
ON ALL ROOTED CUTTINGS, AND SATISFACTION GUARANTEED.

50,000 Alternantheras, red and yellow, 80c per 100, \$5 per 1000.
Ageratum, 4 vars., Princess Pauline, 75c per 100, \$7 per 1000. A new rich blue, a dwarf var., habit like Pauline, a good one; 75c per 100, \$7 per 1000. Cope's Pet, blue; Lady Isabel, white; 60c per 100, \$5 per 1000.
Heliotrope, 10 best vars., \$1 per 100, \$8 per 1000.
Daisies, California White, Yellow, Castle Yellow, the only two vars., \$1 per 100, \$8 per 1000.
Carnations, Flora Hill, \$4 per 100. Morello, \$4 per 100.
Verbenas by the car load later on.

THAT CASH PLEASE.

C. HUMFELD, Clay Center, Kas.

MONEY IN VIOLETS.

Practice the methods of culture and marketing explained in Professor Galloway's book

Commercial Violet Culture,

224 pages, elegantly printed and illustrated. Price, postpaid, \$1.50.

COMMERCIAL PLANTS, G. W. OLIVER.....\$1.00
WATER GARDEN, Wm. TRICKER.....2.00
RESIDENTIAL SITES AND ENVIRONMENTS.

J. F. JOHNSON.....2.50

Send for catalogue of other trade books.

A. T. DE LA MARE PRINTING & PUB. CO. Ltd., P. O. Box 1697, NEW YORK.

VEGETABLE PLANTS

CABBAGE—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

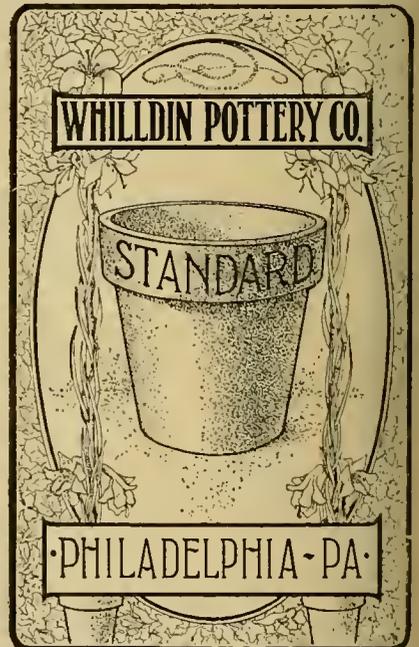
R. VINCENT, Jr., & SON, White Marsh, Md.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate	Price per crate
1500 2-in. pots in crate, \$4.89	120	7-in. pots in crate, \$4.30
1500 2 1/2 " " " 5.25	80	" " " " " 8.00
1500 3 " " " 6.00	48	" " " " " 3.60
1000 3 " " " 5.00	48	10 " " " " 4.80
800 3 1/2 " " " 5.80	24	11 " " " " 3.60
500 4 " " " 4.50	24	12 " " " " 4.80
320 5 " " " 4.61	12	14 " " " " 4.80
144 6 " " " 3.18	6	16 " " " " 4.60

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY, OR.... **FORT EDWARD, N. Y.**
AUGUST BOLKER & SONS, New York Agents
53 DEY STREET, NEW YORK CITY.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

WE ARE READY

For the coming season with the most complete and comprehensive line of "Florists' Supplies" to be found in America.

Being one of the LARGEST IMPORTERS AND MANUFACTURERS of

Florists' Supplies

We invite every Florist to step in and see our stock, if at all possible, or write to us for our HANDSOME NEW ILLUSTRATED CATALOGUE, which will be found complete and up-to-date. A few of our specialties are

IMPORTED CYCAS LEAVES (dull and glazed), our FAMOUS WHEAT SHEAVES, IMMORTELLES, CAPE FLOWERS (all colors), NOVELTIES IN FANCY AND PLANT BASKETS, for every occasion; POT COVERS, PEDESTALS, and EVERYTHING that is needed by the trade will be found at "HEADQUARTERS."

M. RICE & CO., Importers and Manufacturers,

918 Filbert St., PHILADELPHIA, PA.

POINTS

ARE

PRICES-QUALITY



SAGO LEAVES.

Per 10		Per 10	
6-12 inch.....	\$.40	24-30-inch.....	\$.85
12-18 ".....	.55	30-36 ".....	1.20
18-24 ".....	.70	36-42 ".....	1.50
42-inch and over, per 10, \$2.40.			



No. 7200 PALMS.

Lvs.	Hgt.	Doz.	Price
7200.....3.....	24-in.		\$2.10
7204.....3.....	36 "		3.60
7200.....5.....	36 "		5.40
7201.....6.....	40 "		7.20
7201a.....10.....	40 "	ea.	1.80



**Metal Wreaths,
From
25 cents up.**

PALM TREES.

Lvs.	Hgt.	Ea.	Natural Prepared
7206.....9.....	7-ft.	\$3.50	Palm Leaves, 100
7208.....16.....	9 "	4.50	Medium size...\$ 6.00
7209.....24.....	10 "	6.00	Large size..... 10.00

Frank Netschert,

CHICAGO: 187 S. Clark St. NEW YORK: 7 Barclay St.
Ask for Catalogue No. 23.

Möller's Deutsche Gärtners Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.
Möller's Deutsche Gärtners Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt.
(GERMANY)

Tell them where you saw the ad.

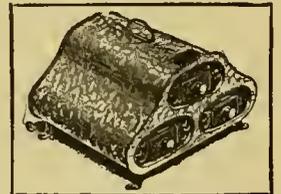
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAMES W. ERRINGER,
Gen. West. Sales Agent,
297 Wabash Ave., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you up on..... **SILKALINES.**

84 Kingston St., BOSTON, MASS.

REED & KELLER,

Manufacturers of Florists' Designs.
Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

Imported Prepared **CYCAS LEAVES**

LOWEST PRICES.

RECEIVING REGULAR SHIPMENTS.

Florida Natural Products Co.,

P. O. Box 273, Indianapolis, Ind.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER And TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWAHN'S POTTERY MFG CO., P. O. Box 78, Minneapolis, Minn.

Your Advertisement

will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in

The Best Drummer.

The American Florist.

Elmira, N. Y.

THE CHRYSANTHEMUM RETAINS ITS POPULARITY.—LARGE SUPPLIES AT HAND — THE ANNUAL SHOW.—SCOTT TO JUDGE.—NOTES.

The chrysanthemum seems to retain its popularity among the Elmira growers. John Rudy, gardener for Hon. J. S. Fassett, has a house full of very fine ones, among them two or three yellows not yet disseminated that are very promising. His roses and general stock are also clean and thrifty. The soil on this place is a very heavy clay, but by working in plenty of manure, and with proper attention to watering, Mr. Rudy has been able to grow some of the finest hardy roses and beds of cannas to be found in the country.

Grove P. Rawson has more chrysanthemums than ever this year and has made arrangements for satisfactorily disposing of the blooms. He has several seedlings that will probably have a commercial future before them. G. H. Crane and Marquis carnations are planted largely at Mr. Rawson's and are looking well.

The Elmira Board of Trade presented to the horticultural society a valuable silver cup to be offered as a premium for the best seedling chrysanthemum exhibited at the fall show, to be held one year. It was won by Mr. Rawson last year. He will be after it this year but will have considerable competition. The show is to be held November 14 and 15 and Wm. Scott, of Buffalo, is to act as judge.

The usual amount of rebuilding and repairing has gone on this season. E. M. & H. N. Hoffman have rebuilt two houses, putting in larger glass and rearranging the benches to get better light. They are filled with carnations that are looking fine. America, Bon Ton, White Cloud, Lawson and Ethel Crocker are doing well with them. Violets and roses are also strong and prolific.

J. E. Anthony, formerly gardener for Gen. Magee, of Watkins, is now in charge of F. L. LaFrance's greenhouses and is getting things in fine shape.

George Backer started in the florist business a year ago with three houses, and has added two more houses and a large boiler this season. E.

MANCHESTER, N. H.—The state horticultural society contemplates the erection of a fire-proof building at Concord.

CYPRESS



Green House Material

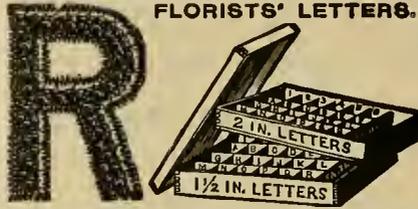
Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$2.00. Script Letters, 54. Designer with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 84 Hawley St., BOSTON, MASS.

Please mention the American Florist when writing.

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

5D, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA. Please mention the American Florist when writing

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,

AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

HEADQUARTERS FOR

COCOA FIBRE, SPHAGNUM and SHEEP MANURE, GREEN MOSS, BONE all grades, RUSTIC WORK, all kinds, IMPORTED SOOT, CLAYS FERTILIZER.

DUNNE & CO., 34 West New York, 30th St. HORTICULTURAL SUPPLIES.

Red Standard Pots.

CORRECT SIZE.

SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE GO., MILWAUKEE, WIS.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumbler) \$2.25. Price complete (with green or white cornucopia vase) \$2.50. No. 2.—Heavy 4 ft. rod braced and nickel, with three clasps for 5 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tube, 1/4-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist, 1725 Chestnut St. Philadelphia, Penn.

NIKOTEEN
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN—CIRCULAR FREE—SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the Blooms the Bugs!
QUICKLY DOES IT.

Please mention the American Florist when writing.

IMP

LIQUID PLANT FOOD
For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

BEST AND Cheapest
ALL-ROUND INSECTICIDE on the Market.

ROSE LEAF INSECTICIDE
EXTRACT OF TOBACCO

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS

"The kind that save full apart."
If your seedman doesn't handle them, order of us direct.

FACTORY AND OFFICE:
100-102 WEDDER ST., CHICAGO.
TELEPHONE NORTH 883.

Please mention the American Florist when writing.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address
JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J.

Please mention the American Florist when writing

INDEPENDENT OF ALL TRUSTS.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. **THE REED GLASS & PAINT CO.,** 456 W. Broadway, NEW YORK.

THE KINNEY PUMP.
For applying liquid manure it has no equal. Sent prepaid for \$2.50. Without spraying valve, \$2.00.

The Hose Connection Co., Kingston, R. I.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.



THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO., YOUNGSTOWN, O.

N. F. McCarthy & Co. OFFER GALVANIZED STEEL WIRE ROSE STAKES

AT THE FOLLOWING PRICES:

Inches	Per 100	Per 1000	Inches	Per 100	Per 1000
14	.50	\$2 00	42	.90	\$7.75
24	.75	5 00	48	1.00	8 50
30	.80	6 00	60	1.10	10 50
36	.85	7 00			

No. 18 Gal. Wire, for running along the top of Stakes, \$1 00 per Stone.

On large lots we are prepared to quote special low prices, and are at all times ready to meet competition on Wire.

PLANT AUCTIONS ARE HUMMING! Every Tuesday and Friday at 9 A. M.

N. F. MCCARTHY & CO., 84 Hawley St., Boston, Mass.



ESTAB. 1765
A.H. HEWS & CO.
NO. CAMBRIDGE MASS
L.I. CITY N.Y.
CATALOGUE FREE

GARLAND'S IRON GUTTER AND DRIP CONDUCTOR. NO SNOW OR ICE.



Waterway Capacity for 6,000 feet of Glass. Length of section, 5 ft.; weight, 85 lbs.; carrying capacity, 4070 lbs.

Parties contemporating using iron gutters will do well to note the wording of Patent No. 616,781, issued to Geo. M. Garland, as published in previous issues.

will save money in cost of construction as well as in rebuilding.

Iron Plate and Drip Conductor for Outside Walls of Disconnected Houses.

GEO. M. GARLAND, - DES PLAINES, ILL.

Please mention the American Florist when writing.



GEO. KELLER & SON. MANUFACTURERS OF **Flower Pots.**

Before buying write for prices
361-363 Herndon Street
near Wrightwood Ave.
CHICAGO, ILL.

Please mention the American Florist when writing



CYPRESS WRITE FOR CATALOGUE
GREENHOUSE MATERIAL OF EVERY DESCRIPTION
JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'FY.
HARRY BALSLEY, DETROIT, MICH., Rep. 490 Howard St.

HOTBED SASH In Pine, Louisiana Cypress and Red Cedar.

GREENHOUSE MATERIAL, Cal. Red Cedar and Louisiana Cypress.

BEST GRADES, PERFECT WORKMANSHIP.
A. DIETSCH & CO. 615-621 Sheffield Ave. CHICAGO, ILL.

Circulation which **Circulates**

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.



EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....

THE CHAMPION VENTILATING APPARATUS
Catalogue is free. A postal with your name and address secures it. Address
COOLIDGE BROS., Florists, So. Sudbury, Mass.

RUSTIC WORK FOR ALL PURPOSES MADE TO ORDER..

■ In stock, the most extensive variety in the country. of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

☐ **RUSTIC MFG. & CONSTRUCTION CO.,** 19 Fulton Street, NEW YORK CITY.

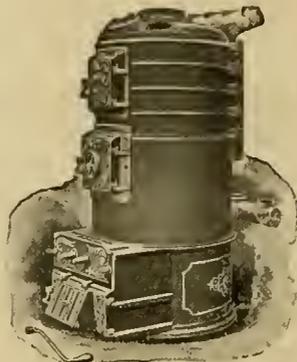
The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until the burn heap is reached. It does the work much better than a hand rake and three times as fast. Easy to operate. Given certificate of merit at N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.
FINLEY LAWN RAKE CO., - Joliet, Ill.

Index to Advertisers.

advertising Rates.....446	Kaating W F..... 450
Allen J K..... 451	Keller Bros.....464
Allen S L J & Co..... 11	Keller Geo & Son.....467
American Rose Co.....448 11	Kellokx Geo M.....450
Amling E C..... 449	Kennett Bros.....453
Barnard W W & Co..... 1	Kidweck Toh Pro Co.....486
Baur S Alfred..... 1	Kidwell J F & Bro.....480
Barrow J G.....450	Kift Robert.....486
Bassett & Washburn.....449	Kilbourn R.....464
Bayersdorfer H & Co..... 466	Kroeschell Bros Co.....1V
Bentley & Co..... 448	Kuehn C A.....450
Berckmans P J Co.....469	Kuhl Geo A.....400
Berning H G.....450	Lager & Hurrell.....453
Bidekuna Die..... 11	Lakev W Rose Garden.....459
Bianc A & Co.....462	Lang Julius..... 451
Bloom J S.....453	Langjahr A H.....490
Blue Hill Nursery.....453	Lee K A.....454
Bobblck & Atkins.....460	Lehman Bros.....465
Boston Letter Co.....466	Leuthy A.....457
Brague L B.....450	Limpren S J.....461
Brant & Noe.....448	Lockland Lum Co.....466
Brinkerhoff Geo M.....454	Long D B..... 11
Brown Peter..... 457	Lonsdale Edwin.....460
Budlong J A..... 449 458	Lord & Burnham Co.....1V
Bunyard H A..... 448	Lothrop & Higgins.....455
Burpee W Ailes & Co..... 11	Loven J.....455
Caldwell the Woods- man Co..... 448 452	Lucas J & Co.....111
Carmody J D..... 111	McCarthy & Co N F.....
Chadwick Chas..... 458	McFadden E C..... 452
Chicago Carnation Co.....418	McFarland John.....459
Chicago House Wreck- ing Co..... 111	McKellar & Winterson.....457
Christy Willbur A..... 452	MacBean A S.....458
Cindannau cut Flr Co.....450	Mader Paul.....464
Clark Wm A & Son.....454	Meyer John C & Co.....465
Cleary & Co..... 454	Millang & Co..... 451
Coblentz P O.....452	Millang Frank..... 451
Colea W W..... 454	Mittling A.....456
Colfeah J W..... 459	Moller's Gartner Zel- lung..... 465
Conard & Jones Co..... 464	Molinger J C Co..... 467
Conley Poll Co.....466	Moon Samuel C..... 454
Connell Benj.....410	Moon Wm H Co..... 454 456
Coolidge Bros..... 467	Moore, Hentz & Nass.....451
Cottage Gardens..... 1	Morris Floral Co..... 460
Crabb & Hunter.....455	Moss Geo M..... 459
Craig Robt & Son.....464	Moss A W Nursery.....460
Cunningham Joe H.....462	Murphy Wm..... 459
Cunningham D O Glasco Co.....111	Myers & Co..... 468
Danley S T..... 460	Netschert Frank.....465
Dann H & Son.....464	Nickle Plate R R.....454 455
Deamud J B.....418	Niessen Leo..... 450
De La Mare A T Ftg and Pub Co.....464	N Y C t Flower Ex.....451
Detroit Kio't Pot Mfy.....467	N A Cut Flower Co.....451
Dietach A & Co.....467	rayne D W.....447
Dillon J L.....458	Peunock Sam'l S.....450
Dorner Fred & Sons Co.....454	Pleron F R Co.....452
Dreer H A.....429 111	Pittsburg Cut Flo Co.....448
Dunne & Co.....456	Poehlmann Adolph H.....449
Eastern Chemical Co.....466	Polworth C C Co..... 448
Edgar W W.....460	Prince A J Co.....449 454
Ehnonz Henry..... 454	Quaker City Mech Wks.....111
Ernest W H..... 465	Randall A L..... 449
Evergreen Floral Co.....456	Rawlings E I.....454
Ferguson John B..... 450	Rayner J.....451
Finley Lawn Rais Co.....467	Reed & Keller.....465
Florida Nat Prod Co.....465	Reed & as a Paint Co.....406
Fluegge Wm..... 458	Revan Printing Ho..... 11
Ford Bros..... 451	Reinberg Geo.....449 458
Foster Lucina H.....459	Reinberg Peter.....449 458
Fryer E.....408	Retzer Walter & Co.....454
Gardens Charles..... 11	Rice M & Co.....465
Gardening Co The..... 11	Rodgers Alex..... 11
Garland Geo M..... 467	Roker A & Son.....457
Geller Sigmund.....466	Rustic Mfg & Con Co.....451
Ghormley Wm..... 451	Saltford Geo..... 451
Gibbons H W.....1V	Sander & Co.....453
Gilbin & Co..... 11	Schillo Adam.....1V
Good & Rice Co.....462	Schmidt J C.....457
Gullett & Sons W H.....458	Scolly John A.....111
Gunther Wm H.....451	Sheridan W F..... 451
Guttman Alex J.....451	Siebrecht & Son..... 11
Gurney Heater Co..... 468	Sitnators & Wanta..... 447
Hagenburger (arl.....453	Skaboura Dip Co.....466
Hall Asen..... 454	Smith Nath & Son.....462
Hancock Geo & Son.....454	Smith W & T Co..... 1
Hart M A.....451	Smurthwalte C A Produce Co..... 11
Heacock Joseph.....462	Soltan C.....459
Hels J B.....453	S uth Park Floral Co.....455
Heller & Co..... 11	South side Floral Co.....462
Hennecke C Co.....466	stani Chas B.....450
Henderson Mfg Co.....1V	Stearns Lumber Co.....111
Herr Albert M.....453	Stoothoff H A & Co..... 11
Herrmann A.....466	Storra & Harrison Co.....484
Herron Dacia R.....464	Sutherland Geo A.....450
Hews A H & Co.....467	Swann Pottery Mfg Co.....465
Hilfker Bros.....464	Thorburn J M & Co..... 452
Hill E G & Co..... 467	Traendly & Schenok..... 451
Hippard E Co.....467	Vahl Reed Co.....452
Hitchings & Co.....1V	Van Wert Green'ho.....457
Hoffman E M & H N.....460	Vanhan's Seed Store.....452 455 1
Holmes H L.....452	Vick's Sons Jas..... 11
Holton & Hunkel Co..... .....448 465	Vincent R Jr & Son.....464
Hooker H M Co.....465	Vredenburg & Co..... 11
Horan Edw C.....451	Watson G C..... 11
Hort Adv..... 11	Weber H & Sons.....459
Hose Connection Co.....466	Weber & Don..... 11
Humfeld C.....464	Welland & Bisch.....449
Hunt E H.....449	Welch Bros.....450
Husker Chas A.....457	Wallenreiter Leo.....460
Invalid Appliance Co.....466	Whilldin Pot Co.....464
Indianapolis Flower and Plant Co.....458	Wielor Bros.....449
Jackson & Perkins Co..... .....454 460	Whitaker Mfg Co.....1V
Jackson E B.....457	Wittbold The Geo Co.....461 1
Jacobs S & Sons.....1V	Wood Brs.....460
Jennings B H.....454	Woodroffe & Bern- helmer.....450
Jennings Bros.....465	Wood, Hulbs & Co.....452
Johnson & Stokes.....452	Young Jm.....451
	Young & Nugent.....451



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse

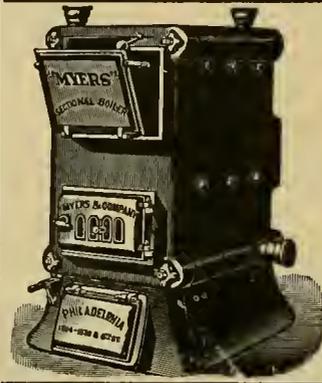
RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St., Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

Please mention the American Florist when writing.

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

...AN...

Indispensable Adjunct

To a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of \$2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

To be in time for our grand Autumn Number which will be issued November 10, your special advertisement should be mailed now to the American Florist Co., 324 Dearborn St., Chicago.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, NOVEMBER 10, 1900.

No. 649.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BALTIMORE, Md., February 21-22, 1901.—Exhibition of the American Carnation Society. Albert M. Herr, Sec'y, Lancaster, Pa.

ELMIRA, N. Y., November 14-15.—Chrysanthemum show, Elmira Horticultural Society. H. N. Hoffman, Sec'y.

HOUSTON, TEX., November 15-16.—Seventh annual chrysanthemum show for DePelchin Home. Mrs. M. E. Bryan, Sec'y.

INDIANAPOLIS, IND., November 14.—Exhibition of State Florists' Society of Indiana. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

MONTREAL, CAN., November 12-14.—Annual chrysanthemum show, Montreal Gardeners' and Florists' Club. W. H. Horobin, Sec'y, 130 Tupper street.

NEWPORT, R. I., November 13-15.—Ninth annual chrysanthemum show, Newport Horticultural Society. Robert Johnston, Sec'y, Harborview.

NEW YORK, November 14-15.—Chrysanthemum Show, American Institute. George Whitefield, Jr., Sec'y, Berkeley Lyceum Building.

NEW YORK, N. Y., March, 1901.—Second annual exhibition, American Rose Society. Leonard Barron, Sec'y, 136 Liberty street.

PHILADELPHIA, PA., November 13-17.—Annual exhibition, Pennsylvania Horticultural Society. David Rust, Sec'y, Horticultural Hall, Broad street.

PROVIDENCE, R. I., November 14-16.—Chrysanthemum exhibition Rhode Island Horticultural Society. C. W. Smith, Sec'y, 61 Westminster street.

ST. LOUIS, MO., November 14-16.—Tenth annual chrysanthemum exhibition, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

THE EXHIBITIONS.

Chicago.

The tenth annual exhibition of the Horticultural Society of Chicago is drawing to a close after a period during which the attendance has not been commensurate with the many merits of the exhibition, although the display, as was expected, because of the unpropitious season, has not been up to the very high standard set last year. It has been an exhibition a large measure of the success of which is due to the efforts of the retail florists. The unfavorable weather conditions prevailing all autumn have had their effect upon all classes of flowering plants and both cut blooms and specimen plants of chrysanthemums are hardly as numerous nor as excellent as in previous seasons, although some very fancy stock was shown.

Those in attendance, while their number was not so great as was to have been hoped, have been unstinting in their praise of the exhibition management and the artistic effects in the staging produced by Superintendent Miller and his corps of assistants. The center of the great hall was occupied, as last year, by the exhibit of Mrs. Geo. M. Pullman (J. Algots, gardener), but this was not entered for competition. The group contained many admirable specimens of the palms and ferns for which this grower has long been noted. The principal exhibit of palms, ferns and other tropical plants was from the establishment of the George Witthold Co. They were entered in more classes than any other exhibitor and their stock was of the highest order of merit. J. C. Vaughan exhibited fine specimens in many of the classes for miscellaneous plants. Andrew McAdams brought some excellent araucarics and had a good group in the class for best display of decorative plants. Walter Retzer & Co. also brought some very fine palms and ferns, but did not enter their group for competition.

The private establishments represented in the plant classes were those of Mrs. P. D. Armour, Jr., (Otto Speidel, gardener), Martin A. Ryerson, (John Reardon, gardener), A. S. Trude, (Robt. Mueller, gardener), John J. Mitchell, (Geo. Woodward, gardener), Frank R. Chandler, (Melchior Luetsch, gardener), and Arthur Orr, (John Sleigh, gardener).

Several other members of the society brought exhibits, but not for competition.

In the classes for chrysanthemum plants J. C. Vaughan was the principal exhibitor, and he staged some very good stock, although some of it would have been better for a few days more under glass. Martin A. Ryerson was his principal competitor, although A. S. Trude and Crabb & Hunter had conspicuous displays.

The classes for cut blooms of chrysanthemums brought out as competitors a number of exhibitors who have never before figured prominently in the exhibitions of the society. Gunnar Teilmann, Marion, Ind., was one of the principal prize winners. H. Weber & Sons, of Oakland, Md., are also frequently mentioned in the prizelist. John Felke, of Wilmette, Ill., was another new exhibitor. John Steight, of Evanston, was also a new name, and Fritz Bahr, of Highland Park, staged fine blooms. The Hinsdale Rose Company showed their usual good stock and Vaughan and Nathan Smith & Son were leaders, as was to have been expected. A number of entries from E. G. Hill, of Richmond, Ind., were delayed by train wreck until too late for staging.

The interest of the second day centered in the rose display, which was rather better than heretofore. The competition was keen between the South Park Floral Company, Bassett & Washburn, Peter Reinberg, W. W. Coles and others. Bassett & Washburn lead on American Beauty, Meteor and Kaiserin, and had magnificent vases. The South Park Floral Company staged unexcelled Brides and Bridesmaids and Peter Reinberg had the best twenty-five blooms of Liberty. The keenest interest of the day centered in the competition for the Peacock silver cup offered for twelve blooms of a rose never before exhibited in this country. There were but two entries, both of the same variety, the red rose known as No. 19, which was staged in splendid form by both E. G. Hill and Bassett & Washburn, the latter securing the award. The originator's name for this rose is Marquis Litta and it will be distributed in this country under that appellation, probably next season. The Floral Exchange, of Philadelphia and Edgely, Pa., staged a fine vase of their pink sport of American

Beauty, which they have named the Queen of Edgely, and it received special mention at the hands of the judges. The fashionable ladies who visited the show expressed themselves as much delighted with the color of this rose, although the blooms were not so good as they would be with better weather and a shorter journey. E. G. Hill also showed a vase of Sunrise.

On Thursday carnations held the center of the stage, and the display was by all odds the best ever seen in Chicago. Bassett & Washburn were the principal exhibitor and won a majority of the prizes, but the Chicago Carnation Company staged many vases of splendid blooms. They were, however, unfortunate in having several vases of their choicest product disqualified because of error in the count. In the class for "any other dark pink" they put up a vase of Mrs. Lawson which was not outclassed by any other single exhibit on the tables, but it contained only forty-nine blooms, when the schedule called for fifty, and the prize went to a pink sport of Armazindy. The Joliet growers suffered the same consequences for short count in their vases of Gomez and Chicago, and in their vase of White Cloud, offered as the best 100 blooms in the exhibition. This prize, a sterling silver cup, fell to G. H. Crane, shown by Bassett & Washburn, the seedling, Dorothy, exhibited by Mrs. E. T. Graves, Richmond, Ind., being so close a second that the judges recommended a certificate of merit for it. Honorable mention was made of Enquirer, exhibited by R. Witterstaetter, of Sedamsville, O. Other exhibitors and prize winners were Anton Then, W. J. & M. S. Vesey, of Fort Wayne, Ind.; Mrs. A. M. Schafer, Wietor Bros., W. P. Harvey, of Geneva, and the Guardian Angel Orphan Asylum. One hundred blooms of Genevieve Lord, shipped from Oakland, Md., by H. Weber & Sons, failed to arrive in time for competition.

A feature of the main hall was the displays made in the boxes by Wittbold, Wienhoeber, Lange and Mangel. This was a new competition to be rearranged and judged each day, and the displays were thoroughly creditable to each of the contestants. Lange and Mangel scored first and second respectively on the opening day, and Wienhoeber and Mangel first and second on Wednesday. On Thursday Mangel lead with Wienhoeber second. The same positions were maintained on Friday. The final result of the competition cannot be announced until next week.

The first three days' competitions in table decorations resulted as follows: First day, Wednesday, Anderson Floral Co., first prize, with mound of pink and white Ivory chrysanthemums. A. Lange, second, and John Mangel, third, mounds of Mrs. Perrin chrysanthemums. Second day, Anderson Floral Co., first with mound of Kaiserin roses; John Mangel, second, mound of lily of the valley; A. Lange, third, mound Kaiserin roses. Third day, Anderson Floral Co., first, mound of Golden Gate roses; A. Lange and John Mangel tied for second place with mounds of American Beauty roses.

Following are the awards up to and including Friday:

CUT FLOWERS—CHRYSANTHEMUMS.

Twenty-five blooms, one variety, white, first, Gunnar Teilmann, Marion, Ind.; with Fee du Champsaur; second, John Felke, Wilmette, Ill.; with Mrs. Robinson.

Twenty five blooms, one variety,

yellow, first, Gunnar Teilmann, with Major Bonnafton; second, John Felke with same variety.

Twenty-five blooms, one variety, pink, first, Hinsdale Rose Co., Hinsdale, Ill., with Mrs. Perrin; second, Gunnar Teilmann, with Viviant-Morel.

Twenty-five blooms, one variety, red, second, H. Weber & Sons, Oakland, Md., with Geo. W. Childs; no first awarded.

Twenty-five blooms, one variety, bronze, second, Gunnar Teilmann, with Mongolian Prince; no first awarded.

Twenty-five blooms, one variety, any other color, first, Hinsdale Rose Co., with Chito.

Twelve varieties, one bloom each, first, Nathan Smith & Son, Adrian, Mich.; with Col. D. Appleton, Walter Molatsch, Bruant, Mrs. Trainor L. Park, Lady Anglesey, Merza, Mrs. F. A. Constable, Orizaba, Philadelphia, Chito, Lady Hanham and Mrs. Ritson; second, H. Weber & Sons with Mrs. Perrin, Major Bonnafton, Madam Carnot, Geo. W. Childs, Bruant, Viviant-Morel, Modesto, Pennsylvania, Snow Queen, Nesota, Mrs. Trainor L. Park and Mayflower.



ANDREW M. ADAMS.
President Chicago Florists' Club.

Six blooms, one variety, white, first, Gunnar Teilmann, with Evangeline; second, Nathan Smith & Son, with Mrs. F. A. Constable.

Six blooms, one variety, yellow, first, Gunnar Teilmann, with Major Bonnafton; second, Fritz Bahr, Highland Park, Ill., with same variety.

Six blooms, one variety, pink, first, Nathan Smith & Son, with Orizaba; second, John Sleigh, gardener to A. Orr, Evanston, Ill., with Mrs. Perrin.

Six blooms, one variety, red, first, H. Weber & Sons, with Geo. W. Childs; second, J. C. Vaughan, with Intensity.

Six blooms, one variety, bronze, first, Nathan Smith & Son, with Lady Anglesey; second, H. Weber & Sons, with Bruant.

Six blooms, one variety, any other color, second, Fritz Bahr, with Mrs. W. C. Egan; third, Nathan Smith & Son, with Lady Hanham; no first awarded.

Collection of not less than forty named varieties, one bloom each, first, Nathan Smith & Son; second, H. Weber & Sons; third, O. J. Speidel, gardener to Mrs. P. D. Armour, Jr., Oconomowoc, Wis.

PLANTS—CHRYSANTHEMUMS.

Specimen plant, white, first, John Reardon, gardener to Martin A. Ryer-son, with May Foster; second, J. C. Vaughan, with Marie Louise.

Specimen plant, yellow, first, J. C. Vaughan, with Miss G. Pitcher; second, John Reardon, with Golden Gate.

Specimen plant, pink, first, J. C. Vaughan, with Mrs. S. T. Murdock; second, John Reardon, with Louis Boehmer.

Specimen plant, red, first, John Reardon, with The Bard; second, J. C. Vaughan, with Geo. W. Childs.

Specimen plant, bronze, first, J. C. Vaughan, with Chito.

Specimen plant, any other color, second, J. C. Vaughan, with Descartes; no first awarded.

Three standards, not less than thirty-inch stems, second, J. C. Vaughan, with Oakland, Mrs. S. T. Murdock and Lenawee; third, Robt. Mueller, gardener to A. S. Trude, with Mrs. H. Weeks, Mrs. S. T. Murdock and The Bard; no first awarded.

Five standards, not less than twelve-inch stems, nor more than twenty-four-inch, first, John Reardon, with Mrs. Perrin, May Foster, Sunstone, The Bard and Mayflower; second prize withheld.

Five specimen plants, five varieties, not over 10-inch pots, first, J. C. Vaughan, with Snow Queen, The Bard, Beauty of Truro, Mrs. Trainor L. Park and John K. Shaw; second, John Reardon, with Mrs. Perrin, Golden Gate, Louis Boehmer, The Bard and Mayflower.

Five specimen plants, anemone varieties, not over 8-inch pots, first, J. C. Vaughan, with Mary Stuart, Garza, Surprise, Descartes and Delicatum.

Five specimen plants, single varieties, not over 8-inch pots, first, J. C. Vaughan with Mispah.

Ten specimen plants, pompon varieties, not over 6 inch pots, first, J. C. Vaughan, with Black Douglas, Magnificus, Angeli-que, Attila, Atlas, Canary, Mr. Astie, Viola, Martha and Zenobia.

Twenty-five plants, one variety, grown to single stem, not over twenty-four inches in height above the pot, not over 6-inch pots, second, Crabb & Hunter, Grand Rapids, Mich.; no first awarded.

Ten plants grown to single stem and bloom, first, J. C. Vaughan; second, Crabb & Hunter.

PLANTS—MISCELLANEOUS.

Most interesting grafted specimen plant of any kind, first, J. C. Vaughan, with chrysanthemum plant having fifty different varieties grafted upon it; second, Robt. Mueller, with a standard geranium, upon which six varieties were grafted, of red, white and pink shades.

Vaughan's grafted chrysanthemum had the following varieties grafted upon The Bard:

Beauty of Truro, Black Hawk, Enfant de Deux Mondes, Geo. W. Childs, Chito, Golden Hair, Harry Hurrell, Ivory, John K. Shaw, Major Bonnafton, Mayflower, Mrs. Wm. Rand, Mrs. A. J. Caton, Mrs. H. Robinson, Evangeline, Miss G. Pitcher, Miss Agnes L. Dalskov, Mrs. C. B. Freeman, Pennsylvania, Shavings, Snow Queen, Viviant-Morel, Yellow Ivory, Mrs. S. T. Murdock, Mrs. C. H. Weeks, Mrs. J. J. Glessner, Jennie Falconer, Robert Cary, Lenawee, Beaute Lyonaise, The Queen, Intensity, Zenobia, Angeli-que, Viola, Magnificus, Surprise, Ada Strickland, Descartes, Garza, Mary Stuart, Black Douglas, Antoine de Noel, Mispah, Mr. Astie, Canary, Daisy, Martha, Halcyon and, Shilowa.

Three standard geraniums, not less



VIEW OF THE CHICAGO CHRYSANTHEMUM EXHIBITION.

than thirty-inch stems, second, J. C. Vaughan; no first awarded.

Fifteen geraniums, one variety, first, John Reardon, with S. A. Nutt; second, Robt. Mueller, with Bruant.

Five best begonias in bloom, first, J. C. Vaughan.

Ten cyclamens, Fred Bahr was awarded a gratuity.

Collection of orchids, other than cypripediums, a gratuity was awarded The Geo. Wittbold Co.

Collection of ferns, second, The Geo. Wittbold Co.; no first awarded.

Five foliage plants, different varieties, not over 12 inch pots, second, The Geo. Wittbold Co.; no first awarded.

One palm, first, The Geo. Wittbold Co.

One araucaria, first, Robt. Mueller.

One croton, first, Melchior Luetschg, gardener to Frank R. Chandler, Lake Geneva, Wis., with Carrieri; second, Robt. Mueller.

One Acalypha Sanderi, a gratuity was awarded Melchior Luetschg.

One decorative plant, other than previously mentioned, first, The Geo. Wittbold Co.

One Boston fern, first, The Geo. Wittbold Co.; second, J. C. Vaughan.

One fern, other than above mentioned, first, The Geo. Wittbold Co., with Nephrolepis Wittboldii; second, J. C. Vaughan.

One basket Asparagus Sprengeri, first, John Sleigh; second, The Geo. Wittbold Co.

Six araucarias, first, Andrew McAdams; second, J. C. Vaughan.

Display of stove, decorative and greenhouse plants, arranged for effect, open

to all, first, The Geo. Wittbold Co.; second, Andrew McAdams.

Display of stove, decorative and greenhouse plants, arranged for effect, open to commercial florists only, first, The Geo. Wittbold Co.; second, Anton Then.

Honorable mention was given Melchior Luetschg, gardener to Frank R. Chandler, for a fine specimen of the phyllanthus, and a small group of ornamental foliage plants; also honorable mention for a specimen coffee plant, and special mention for a group of crotons and several other ornamental plants.

Mrs. Geo. M. Pullman was awarded a certificate of merit for palms and foliage plants, and Anton Then received honorable mention for his California naval orange in bearing.

CUT FLOWERS—ROSES.

Twenty-five American Beauty, first, Bassett & Washburn; second, South Park Floral Co., New Castle, Ind.

Forty Kaiserin Augusta Victoria, first, Bassett & Washburn; second, W. W. Coles, Kokomo, Ind.

Forty Brides, first, South Park Floral Co.; second, Peter Reinberg.

Forty Bridesmaid, first, South Park Floral Co.; second, Bassett & Washburn.

Forty Meteor, first, Bassett & Washburn; second, Hinsdale Rose Co.

Forty Perle, first, Bassett & Washburn; second, South Park Floral Co.

Twenty-five any other variety, first, Peter Reinberg with Liberty; second, Bassett & Washburn with Golden Gate.

Twelve Kaiserin Augusta Victoria, first, Guardian Angel Orphan Asylum.

Twelve Bridesmaid, second, W. W. Coles; no first awarded.

Twelve Perle, first, Peter Reinberg.

Twelve blooms of a rose never before exhibited in this country. Special trophy offered by C. D. Peacock, was won by Bassett & Washburn for their "No. 19," Marquis Litta.

Twenty-five blooms Liberty, first, Bassett & Washburn; second, E. G. Hill & Co., Richmond, Ind.

The judges awarded honorable mention for a vase of the new rose, Queen of Edgely, grown by the Floral Exchange, of Philadelphia.

CUT FLOWERS—CARNATIONS.

Fifty blooms Flora Hill, first, Bassett & Washburn; second, Anton Then.

Fifty blooms White Cloud, first, Bassett & Washburn; second, Chicago Carnation Co.

Fifty blooms Mary Wood, first, Bassett & Washburn.

Fifty blooms any other white, first, W. J. & M. S. Vesey, Fort Wayne, Ind., with Evelina; second, Mrs. A. M. Schafer, with McGowan.

Fifty blooms America, first, Bassett & Washburn; second, Wiator Bros.

Fifty blooms G. H. Crane, first, Chicago Carnation Co.; second, Bassett & Washburn.

Fifty blooms any other red, first, Bassett & Washburn, with Red Bradt; second, Anton Then.

Fifty blooms Maceo, first, Bassett & Washburn; second, Chicago Carnation Co.

Fifty blooms Cerise Queen, first, Bassett & Washburn.

Fifty blooms Argyle, first, Anton Then.
Fifty blooms Frances Joost, first, Chicago Carnation Co.; second, Bassett & Washburn.

Fifty blooms Mrs. Jas. Dean, first, Bassett & Washburn.

Fifty blooms Daybreak, first, Anton Then; second, W. P. Harvey, Geneva, Ill.

Fifty blooms 'Triumph, first, Wieter Bros.; second, W. J. & M. S. Vesey.

Fifty blooms any other pink, not lighter in color than Wm. Scott, first, Guardian Angel Orphan Asylum with Guardian Angel, a pink sport of Armazindy; second, Wieter Bros., also with a pink sport of Armazindy.

Fifty blooms any other pink, lighter in color than Wm. Scott, first, Chicago Carnation Co., with The Marquis; second, Bassett & Washburn, with the same variety.

Fifty blooms Armazindy, first, Guardian Angel Orphan Asylum.

Fifty blooms Mrs. Bradt, first, Bassett & Washburn; second, Chicago Carnation Co.

Fifty blooms any other striped, except those with yellow ground, first, Bassett & Washburn, with Olympia; second, Chicago Carnation Co., with Mrs. J. K. Robinson.

Fifty blooms Gold Nugget, first, Bassett & Washburn; second, Chicago Carnation Co.

Twenty-five blooms pink, not lighter in color than Wm. Scott, introduction of 1900, first, Chicago Carnation Co., with Mrs. Thos. W. Lawson; second, Bassett & Washburn, with the same variety.

Twenty-five blooms pink, introduction of 1900, lighter in color than Wm. Scott,

first, Bassett & Washburn, with Morning Glory; second, Chicago Carnation Co., with The Marquis.

Twenty-five blooms, introduction of 1900, any other color, first, Bassett & Washburn, with J. Whitcomb Riley.

One hundred blooms, one variety, seedlings admissible, prize silver cup valued at \$25, won by Bassett & Washburn with G. H. Crane.

The judges recommended a certificate of merit for Dorothy, a seedling exhibited by Mrs. E. T. Graves, Richmond, Ind., and honorable mention was awarded for 100 blooms of Enquirer, exhibited by R. Witterstaetter, Sedamsville, Ohio.

FLORAL ARRANGEMENTS.

Vase of roses arranged for effect, first, John Mangel, with American Beauties; second, South Park Floral Co., with same variety.

Vase of chrysanthemums arranged for effect, first, John Mangel, with Jerome Jones; second, Anderson Floral Co., with Golden Wedding.

Bridal bouquet, John Mangel and Anderson Floral Co. scored an equal number of points; first and second prizes were divided equally between the two contestants.

VIOLETS.

Best display of violets, first, Eli Cross, Grand Rapids, with Swanley White and Lady Campbell; second, Crabb & Hunter with Imperial, Swanley White and Lady Campbell.

Ten violet plants in bloom, not over 10-inch pots; first, Crabb & Hunter; second, Eli Cross.

Special trophy of silver cup offered by

the Chrysanthemum Society of America for best ten blooms of chrysanthemums, any variety, was won by Miller & Sons, Bracondale, Ont., Canada, with vase of Timothy Eaton, a pure white.

Certificates of merit were awarded to A. Herrington, Madison, N. J., for a large white, named Madam Deis; Nathan Smith & Son, for Mrs. Elmer D. Smith; Jno. N. May, for Yanariva, a bluish pink variety.

Certificates of merit were awarded to C. W. Ward, Queens, L. I., for Governor Roosevelt carnation; Jno., N. May for collection of pompon chrysanthemums; Nathan Smith & Son for similar exhibit.

FLORISTS' CLUB BANQUET.

The annual banquet of the Florists' Club was held in the Egyptian dining-room of the Auditorium Hotel Thursday evening at 8. Seventy-two were present. President Andrew McAdams made a cordial speech of welcome and introduced J. C. Vaughan as toastmaster. Patrick O'Mara, of New York, president-elect of the S. A. F., was the first speaker and was very enthusiastically received. After a grateful expression of thanks for the glad hand of welcome so generously given him, Mr. O'Mara briefly outlined the history of the S. A. F. He accorded its founders and leading members much praise for its past, and predicted a still rosier future, saying that its work was but begun. He made a very strong plea for united action by every thoughtful florist in the trade and pictured enthusiastically the possibilities from such united effort. Short informal talks followed Mr. O'Mara's address and nearly every interest, and nearly all visitors were



VIEW OF THE CHICAGO CHRYSANTHEMUM EXHIBITION.



Emil Buettner.



Patrick O'Mara.



John N. May.

JUDGES OF THE ANNUAL EXHIBITION OF THE HORTICULTURAL SOCIETY OF CHICAGO.

heard from. The Chicago Florists' Club's quartette rendered four songs during the evening, each of which received a hearty encore. Mr. Balluff's recitation of the Italian story of George Washington and his hatchet was much appreciated, as was also the dialect speech and stories by Mr. Kohlbrand. Edgar Sanders gave "Little Brown Jug," to the great pleasure of the audience. Remarks were made by Messrs. John N. May, E. G. Hill, W. N. Rudd, John Thorpe, G. A. Rackham, G. L. Grant, C. C. Pollworth, J. Hess, Wm. Edlefsen, P. J. Hauswirth, Edgar Sanders, E. Buettner, E. F. Winterson, John Reardon, Geo. Woodward, Geo. A. Kuhl, Meyer Heller, C. M. Dickinson and others. The gathering adjourned by singing "Auld Lang Syne" at 11:45.

AMONG THE VISITORS.

J. A. Evans, E. G. Hill and Fred Lemon, Richmond, Ind.; Henry Weber, Oakland, Md.; Gunnar Teilmann, Marion, Ind.; Patrick O'Mara, New York; I. L. Pillsbury, Galesburg, Ill.; Jno. N. May, Summit, N. J.; Otto Speidel, Oconomowoc, Wis.; Alex. Milne, Fairbury, Ill.; J. C. Rennison, Sioux City, Iowa; H. C. Geiger, Philadelphia, Pa.; Jos. Reeve, Peoria, Ill.; J. T. Anthony, Geneva, Ill.; Fred. Burki, Bellevue, Pa.; Otto Haupt, West Chicago, Ill.; Mr. Kemble of the Kemble Floral Co., Oskaloosa, Iowa; Elmer D. Smith, Adrian, Mich.; John Bertermann, Indianapolis, Ind.; J. E. Killen, representing Clucas & Boddington Co., New York City; J. J. Hess, Omaha, Neb.; Harry Baisley and Geo. A. Rackham, Detroit, Mich.; Arthur Newell and Samuel Murray, Kansas City, Mo.; Walter Mott, representing H. A. Dreer, Philadelphia, Pa.; J. R. Fotheringham, representing F. R. Pierson Co., Tarrytown, N. Y.; Herbert and Meyer Heller and Wm. Dittman, New Castle, Ind.; Arthur E. Kelk, representing The Tobacco Warehousing and Trading Co., Louisville, Ky.; Melchior Luetschg, Lake Geneva, Wis.; Geo. F. Crabb, Grand Rapids, Mich.; A. H. Bunde and wife and A. S. Swanson, St. Paul, Minn.; Otto Sylvester, Oconomowoc, Wis.; Fred. H. Holton, Nick Zweitel, C. C. Pollworth, Alex. Klokner, W. A. Kennedy, Max

Reitz, Wm. Edlefsen, H. V. Hunkel and F. Hesse, Milwaukee, Wis.; Fred. Dorner, Jr., and Fred. Hudson, Lafayette, Ind.; Geo. A. Kuhl, Pekin, Ill.

Andrew McAdams.

The new president of the Chicago Florists' Club is a Scotsman born at Londonderry, in the north of Ireland, fifty-three years ago. His sister married John Goode, who was one of Chicago's pioneer market gardeners, nurserymen and florists, and at her solicitation Mr. McAdams came to this country when 18 years of age, subsequently going into partnership with Mr. Goode, who had come to Chicago in 1857, a few years later removing to St. Louis and returning to Chicago in May, 1869, to establish a business two blocks north of Mr. McAdams' present location, what is now the property on Fifty-first street, between Madison and Kimbark avenues. At that time there was no house in sight; now it is one of the finest neighborhoods in Hyde Park. In 1890 Mr. Goode sold his interest in the business, which was removed to its present location in 1882, to Mr. McAdams and went down to the Indian river, near Melbourne, in southern Florida, to enjoy the sunset of life. He is now 88 years of age. Mr. McAdams has spent his lifetime in floriculture in Chicago. He has many friends, the respect of every acquaintance and every quality to entitle him to the honor bestowed by the Chicago florists when they elected him president of their club.

The Judges of the Chicago Exhibition.

Look far and wide, though one might, it would be impossible to find three men better qualified to pass upon floral exhibits than are the trio who were chosen by the Horticultural Society of Chicago to judge its show of 1900. They are a triumvirate of recognized attainments in their profession.

John N. May, of Summit, N. J., is a rosarian of worldwide repute, a carnation grower of remarkable success and the originator and introducer of a number of excellent varieties of chrysanthemums. Skilled as a plantsman, he is schooled in every branch of the art.

Patrick O'Mara is the president-elect of the Society of American Florists, the president of the New York Florists' Club and the head of the plant department of one of the great houses of the trade. He is listened to as one who speaks with authority.

Emil Buettner, of Park Ridge, Ill., is regarded as one of the most skilful growers in the west. He is an adept in many lines and is no novice in the matter of passing upon exhibits offered in competition, having been several times called upon to serve in the capacity of a judge of the Chicago show.

Boston.

The exhibition this year was superb as to quality of both plants and flowers and had the new hall only been available in which to make the display, the show might without question take its place in chrysanthemum annals as coming nearer to perfection, from the standpoint of the expert culturist, than any that has preceded it in America or possibly anywhere else. The arrangement of the exhibits was, however, anything but satisfactory, it being necessary, on account of the insufficient space, to locate them so that much of their interest was lost to visitors. As in the past, the upper hall was devoted mainly to the plant groups, the exhibits of Mrs. B. P. Cheney, John Barr, gardener, filling one-half of the hall space and being extensive enough, in fact, to completely fill a hall twice as large if given sufficient space to properly display their individual beauty. Represented in this collection of twenty-seven grand specimens were the following varieties: Louis Boehmer, Peter Kay, The Bard; Mutual Friend, Red Warrior, Mrs. F. A. Constable, Silver Cloud, Mrs. J. G. Breer, Mrs. E. B. Freeman, Georgiana Pitcher, Mrs. H. Weeks, Marion Henderson, Lady Hanham, Golden Trophy, Georgienne Bramhall, Black Hawk, Arethusa, Savannah, Lady Isabel, Kate Broomhead, Shilowa, Mrs. Lewis, Edith Smith and Mongolian Prince. The six last named were shown here in plant form for the first time. The plants grown to single stem and flower in small pots were uni-

formly good with all exhibitors, there being a very full competition in all these classes.

The cut flowers were, if anything, larger and more uniform in finish than ever before. Other than this no material difference in comparison with latter years was apparent and there was nothing of striking prominence or especially sensational in any class. The winning sets in the more important classes were marvelously even and uniformly large, it seeming impossible to improve upon them in either of these respects. Among the new things were Winona, Orizaba Souci, Luciola, Nesota and Lavender Queen in Mr. Dumaresq's exhibit and several seedlings from J. N. May, of which Bruce, a copper red with gold reverse, and Yanariva, an Inter Ocean type of pink, and several pretty pompons were the best. P. A. B. Widener sent seedling D. Josephine, a light yellow. Mrs. A. W. Spencer's winning set in the great Bradlee class of six vases of six varieties of ten blooms each included Eureka, Mrs. Geo. West, John Shrimpton, Inter Ocean, Pennsylvania and Vivian-Morel. The big china vases with their contents towering eight or ten feet above the floor were as effective as ever, there being seven competitors in this class. It is worthy of record that in the classes calling for vases of ten blooms of one color each the competing varieties were in most cases identical. In pink the competition was confined to Vivian-Morel, in red they were all John Shrimpton and in the open class Kate Broomhead was entered by both competitors. In white Eureka beat White Carnot and in yellow Modesto came in first, all the other entries being of Peter Kay.

The carnation growers were in with some interesting exhibits. Dailedouze Bros. were on hand with Prosperity and M. A. Patten showed a group of splendid blooms comprising most of the recent introductions. A. Roper staged a lot of seedlings that attracted great attention,

especially one of decidedly new character, pale pure pink, and one resembling Prosperity. Wm. Sim showed Emily Colbeck, a seedling white with pink pencillings. In roses there were the Queen of Edgely, from the Floral Exchange, and Robert Montgomery's Mrs. Oliver Ames, both of which were much admired. R & J. Farquhar & Co., displayed Begonia Caledonia, the famous white Lorraine and received therefore a certificate of merit. Lager & Hurrell staged a brilliant group of orchids of special value commercially for cut flowers. Wm. W. Edgar had an exhibit of superb ferns, crotons and Gloire de Lorraine. I. E. Coburn showed a lot of fine pansies. Kenneth Finlayson set the old gardeners' eyes a'dancing with these specimens of Erica Willmoreana, each over four feet in height and nearly as big across.

The following were the awards for plants: Twelve plants, first, Mrs. B. P. Cheney; third, E. S. Converse. Ten plants, second, E. S. Converse. Three Japanese incurved, Mrs. Cheney. Three reflexed, Mrs. Cheney; second, Mrs. Cheney. Four anemone flowered, E. S. Converse. Specimen incurved, Mrs. Cheney; second and third also to Mrs. Cheney. Specimen reflexed, Mrs. Cheney; second, H. H. Rogers; third, Mrs. Cheney. Specimen anemone flowered, second, E. S. Converse. Specimen pompon, Mrs. Cheney. Twelve plants grown to one stem and bloom, Dr. C. G. Weld; second, E. S. Converse; third, H. Dumaresq. Six plants ditto, but all of one color, red, H. Dumaresq; second, J. Nicol; third, E. S. Converse. White, Dr. C. G. Weld; second, J. Nicol; third, E. S. Converse. Pink, H. Dumaresq; second, Dr. Weld, third, Dr. Weld. Yellow, J. Nicol; second, Mr. Nicol; third, Dr. Weld. Any other color, Dr. Weld; second and third, Dr. Weld. Six plants grown to bush form, without stakes, Francis Blake; second, H. H. Rogers. Group of chrysanthemums, arranged for effect, with palms and decorative foliage plants, Mrs. Gardner.

Twelve blooms, incurved, second, Dr. Weld; third, E. S. Converse. Japanese, Mrs. Cheney. Japanese incurved, Mrs. Cheney; second, Joseph H. White; third, Col. Charles Pfaff. Anemone, Dr. Weld; third, E. S. Converse. Six blooms incurved, E. S. Converse; second, Dr. Weld. Japanese, Joseph H. White. Japanese incurved, H. Dumaresq; second, Mrs. G. W. Knowlton; third, Col. Chas. Pfaff. Reflexed, Joseph H. White; second, Mrs. Cheney; third, Col. Charles Pfaff. Anemone, E. S. Converse. Six best varieties, introductions of the current year, H. Dumaresq. Vase of ten blooms on long stems, pink, named, Robert Laurie; second, Mrs. Cheney; third, Mrs. A. W. Spencer. Red, Miss E. J. Clark; second, Mrs. Spencer; third, Chas. D. Sias. White, Mrs. Spencer; second, Robert Landis; third, Miss Clark. Yellow, Mrs. Spencer; second, Robert Laurie; third, Col. Pfaff. Any other color, Miss Clark; second, Mrs. Cheney; third, Mrs. Spencer.

Vase of blooms, on long stems, arranged in the society's large china vases. Awards first day: John Simpkins; second, Col. Pfaff; third, Mrs. Spencer; fourth, Miss E. J. Clark. These four prizes are to be repeated each day during the exhibition, and a silver medal is to be awarded to the winner of the largest number of first prizes and a bronze medal to the winner of the largest number of second prizes.

Best seedling, red, never disseminated, six blooms, John N. May for Brutus. Best seedling, any other color than red, pink, white or yellow, John N. May, for Yanariva.

Josiah Bradlee Fund. Twenty-five blooms of twenty-five varieties, Mrs. B. P. Cheney; second, Miss E. J. Clark; third, Col. Charles Pfaff; fourth, Joseph H. White. Six vases of six varieties, ten blooms each, Mrs. A. W. Spencer; second, Mrs. B. P. Cheney; third, Norris F. Comley.

Henry A. Gane Memorial Fund. Twelve blooms, Charles D. Sias; second, Mrs. A. W. Spencer.

Toronto.

The eleventh annual chrysanthemum show, under the direction of the Toronto Gardeners' and Florists' Association, was decidedly the best on record, a credit to exhibitors and pleasing to visitors, but the inclemency of the weather did not help the attendance. The Pavilion was decorated very nicely and in the center was a large group of foliage plants in which numbers of crotons were used and their variegated foliage blended nicely with the different colored chrysanthemums. On either side of this group were similar ones, looking like a glimpse of the tropics. Great progress is being made by our orchid growers and the exhibition of these blossoms was a delight to the eye of every lover of the beautiful. The stage was banked with cattleyas, cypripediums, oncidiums, nepenthes and Adiantum Farleyense, nicely arranged with bark and log moss, and was very creditable to the exhibitor, Exhibition Park. The judging was excellent and all were pleased.

In chrysanthemum plants Horticultural Gardens and Exhibition Park captured all the firsts. The Horticultural Gardens were first on best specimen, best three specimens white, three yellow, twelve distinct varieties, twelve distinct varieties single stem, twelve white single stem, twelve pink, twelve



HOUSE OF CHRYSANTHEMUMS FOR BOSTON SHOW AT MRS. B. P. CHENEYS, WELLESLEY, MASS.



CHRYSANthemum LOUIB BOEHMER EXHIBITED AT BOSTON BY MRS. B. P. CHENEY.

yellow, twelve any other variety and on twelve distinct varieties, three plants of one variety in a 6-inch pot single flowered.

Exhibition Park took firsts on best standard of any variety, best three specimens pink not larger than 8-inch pots, and best three specimens any other color in not larger than 8-inch pots.

Best group of foliage plants arranged for effect was won by Horticultural Gardens with a prettily arranged group; Manton Bros. second, and Exhibition Park third.

The best six flowering plants, distinct varieties, were shown by Horticultural Gardens, Exhibition Park second, and Manton Bros. third.

Cut blooms of chrysanthemums, twenty-five distinct varieties, first went to Jno. H. Dunlop, Wm. Jay, second; J. Jennings, third.

Dunlop received firsts on twelve distinct varieties, twelve yellow, twelve any color, six white, six any color and for twenty-five blooms any variety in one vase.

Miller & Son received a special prize for best chrysanthemums in the show, first for twelve blooms white, twelve pink, twelve any variety.

Geo. Hollis was first for best six yellow; and the H. Dale estate was second for twelve blooms white and twelve blooms pink.

In the rose classes the Harry Dale estate was first on Perle, Bride, Hoste, Morgan, Meteor, and in three classes for varieties not enumerated. J. H. Dunlop was first on Bridesmaid. W. Lawrence was first on American Beauty.

On carnations Dunlop took five firsts, Dale one and W. Lawrence one.

On violets Dale took two firsts and Manton Bros. one.

On floral designs F. Brown was first on hand bouquet and on presentation basket of chrysanthemums. C. Tidy & Son were first on funeral design and presentation basket. Dunlop was first on flat basket of chrysanthemums.

Hartford, Conn.

The fourteenth annual fall exhibition of the Hartford Horticultural Society was held in Good Will Hall, November 6, 7 and 8. Among the more prominent exhibitors was T. Dryden, who showed

twenty-two fine specimen chrysanthemums in 10-inch pots, which were awarded first prize. He also took first prize for the best single flower, a fine bloom of Chadwick. Mr. Dryden's ability, as shown in these plants, was highly spoken of by the gardeners present, who know the rather inconvenient circumstances under which he had to work.

Theodore Wirth, superintendent of Elizabeth Park, showed a beautiful collection of fifty varieties of cut blooms, and Walter Angus, gardener to R. & H. Scoville, of Chapinville, showed twelve vases of twelve blooms which were greatly admired. He was awarded first prize in this class, also in the class for twenty-five single blooms and twelve single blooms, and for two splendid bunches of Gros Moroz grapes he was awarded a diploma.

The exhibition, for a city like Hartford, was disappointingly small; the lack of interest displayed by the florists and private gardeners generally being very deplorable.

House of Specimen Chrysanthemums.

Our illustration shows a house, 20x70, in which were grown the twenty-seven plants which appear in the picture, and which took all the first premiums for specimen plants at the chrysanthemum exhibition of the Massachusetts Horticultural Society at Boston. The grower, John Barr, the gardener at Mrs. B. P. Cheney's, has distinguished himself on many occasions in the past as an expert plant grower and visitors to the Boston exhibitions have learned to look for something fine at every occasion in which he participates.

The Chrysanthemum, from a Commission Man's Standpoint.

[Paper read by Samuel S. Pennock before the Florists' Club of Philadelphia, November 6, 1900.]

I am deeply sensible of the difficulty that besets one who undertakes the discussion of the subject which has been allotted to me. Should I not reach the standard of excellence which would be warranted by such an audience, I trust that you will bear in mind that a statement is never so hard to make as when the thought that it contains is well known to its hearers.

The value of the chrysanthemum for all purposes is well recognized. As a showy and handsome decorative flower, the queen of autumn has no peer. No flower can be had that will make the elaborate display and give the value that the chrysanthemum does in decorations generally. Everyone waits anxiously for the first bloom of the season to arrive. Each dealer tries to outdo his neighbor in securing the first cut, and naturally pays an extra price for it.

Blooms that will hardly be noticed later in the season, bring fancy prices. Some one color, owing to a temporary demand for it, will cause the price to advance, while some particular occasion, such as an important foot ball game, will produce a similar result. With the advent of October we look for the first blooms. The season, which runs for two months, is generally terminated by the Thanksgiving trade, which is improving each year.

Some authorities claim that the best paying varieties are the early ones, while



CHRYSANthemum GOLDEN TROPHY, EXHIBITED AT BOSTON BY MRS. B. P. CHENEY, JOHN BARR, GARDENER.

others contend the late ones are preferable. Solid colors, not mixed ones, are the best sellers. Among these the yellow and white predominate, with pink coming next. The best results can be obtained from a limited number of varieties, say six or a dozen, giving a succession of bloom throughout the season, in the colors mentioned. The incurved varieties are the best commercially, as they stand more abuse and do not drop their petals or wilt so easily. With the most careful handling the ragged ones do not carry at all well.

Both as a cut flower and as a pot plant, the Ivory has no equal as an all-around commercial variety. There are hundreds of varieties that might be mentioned. Among them are the following: Willowbrook, an early white; Lady Harriett, an early pink; October Sunshine, a very pleasing yellow, blooming about the same time as Whildin; R. Hooper Pearson, fine, large, stiff stemmed yellow, following Whildin; Mrs. Trainor L. Park, a fine late yellow; Florence Harris, a very pretty shade of yellow, good size with long, stiff stem; Mrs. Geo. W. Childs, a good red; Pink Ivory, Major Bonnaffon, Maud Dean, Jerome Jones, Robinson, Vivand-Morel and Modesto.

Maud Dean is certainly about the best

all-around pink, as a money earner. Mrs. Perrin, for a pleasing and beautiful shade of pink, cannot be equalled but it is not profitable from a grower's standpoint, on account of a large percentage of the blooms coming disfigured in spite of all the grower can do.

Well grown stock is oft times spoiled by being cut prematurely, or allowed to stay on too long and the same difficulty results from improper care in handling between the time of cutting and delivery to the dealer. The attention of growers is particularly called to both of these difficulties, for in them lies a prolific source of the causes leading to poor returns.

All flowers should be put in water immediately after cutting, and set in a cool place for from three to eight hours previous to packing and shipping. This treatment will harden them with far better and more lasting results than if they are placed in water some time after being cut. A flower is always in better condition to absorb water at this than any other time. If once allowed to wilt it will never quite regain its original beauty, and its keeping qualities will have become very much impaired. An equally important matter is that of proper packing. Here the grower will oft times endeavor to save expressage by crowding the flow-

ers into a box not large enough to properly accommodate them. This is always a short-sighted procedure, for the damage resulting therefrom will often amount to several times the expressage. A great source of comfort to the flower man is cool weather. There is much more satisfaction in handling the cut blooms. They are more crisp and firmer in texture, and give better results in every way.

One objection that is often advanced against the chrysanthemum is that so much is given for value received, and that this lessens the demand for other flowers, roses, carnations, etc., often going begging during the reign of this beauty. Those who grow the other flowers, either from preference or force of circumstances, are more than satisfied when the chrysanthemum season has drawn to a close. Indeed, there are often others who are also glad when the end is in sight. Both retailers and wholesalers have been known to express their views in this respect very decidedly, wishing the "mums" had never been "invented." But for all this they have their place and are here to stay.

It may not be amiss at this point to note that the facility with which the purchaser may reach a large stock of the flowers is, from all points of view, a very important consideration. This purpose is best served by the accommodation, room and ease of distribution with which the wholesaler can supply, together with his ability to have the flowers always on hand.

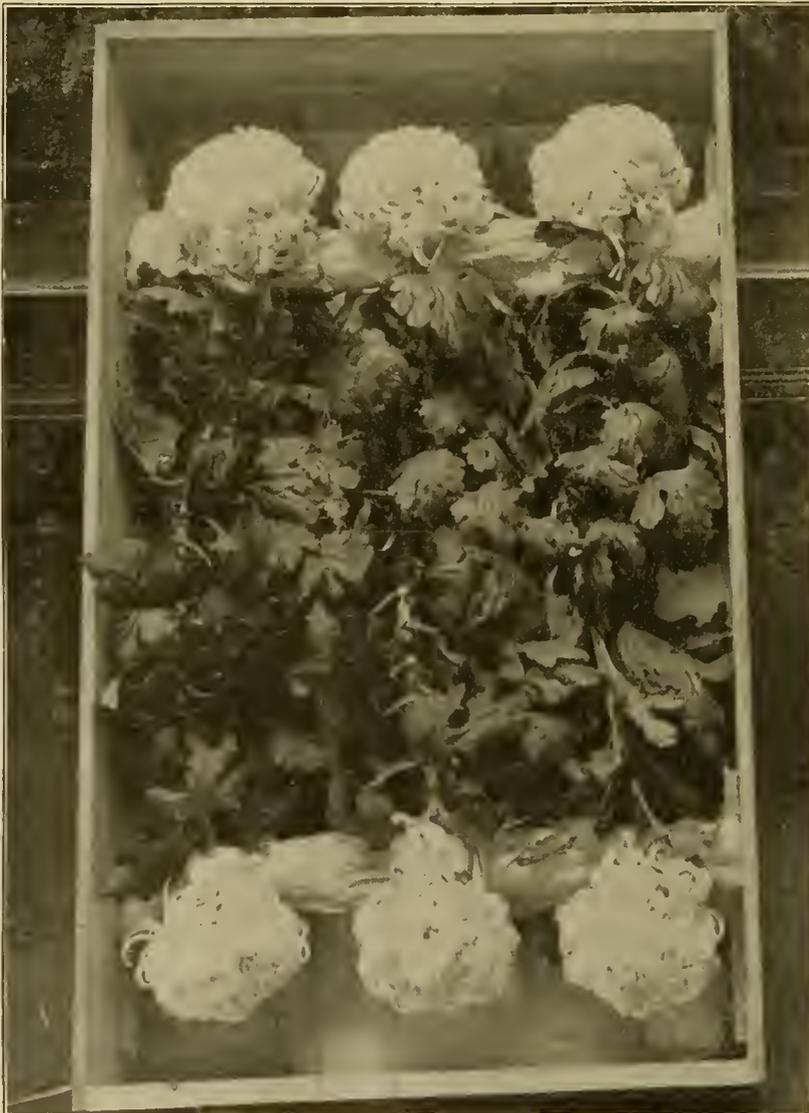
In the matter of distribution, attention is properly called to the fact that the location which he is able to and does invariably select, is one that is within easy reach of the grower and retailer alike, both at home and abroad. This benefit cannot be overestimated, and vastly exceeds any which could possibly be the outcome of any conditions from which the presence of our commission man would be eliminated.

The chrysanthemum, being large and bulky, necessarily requires ample room. In the wholesale establishment can be congregated large quantities of bloom of every kind, sufficient to meet all demands on short notice. To it can come the purchasers who, for these very reasons, can invariably find what they wish, when, did the commission man not exist, it would be impossible on many occasions for them to be satisfied. He is the agent of grower and purchaser, and it is to his interest that both parties should be properly served. His ability in this direction also arises from the fact that he possesses peculiar advantages in the matter of keeping in touch with the market, and such ability as he has, must, from the very nature of his business, be absolutely at the disposal of those for whom he acts.

Having considered the queen of autumn from these various points of view, we come naturally to the question: "What means are we to employ in the proper placing of our product before the public for the purpose of sale?" The answer is plain: "By judicious advertising and display." This is to-day largely accomplished by business cards and descriptions inserted in the papers and periodicals, so as to quickly catch the eye and appeal to the intelligence of the reader.

Another source of success in this direction is the store and window decorations, which are used to such good effect by the dealers, who are constantly exercising that keen intelligence and artistic taste for which they are noted.

We have brought to our minds very



PACKING CHRYSANTHEMUM BLOOMS.

forcibly, at this season of the year, the fact that this purpose is also accomplished in a most admirable manner by the chrysanthemum show, which presents to view all the bravery of resplendent color and beautiful form, attracting the people as no other display of flowers can. What grander and more picturesque sight is there than our annual fall show? This institution is a wonderful benefit to the flower interests in general. It induces curiosity, starts the community to talking, is educating in its effect, and leads to purchases which otherwise never would be made. Each and every florist should do all in his power to foster and encourage these exhibitions. A successful show means far more to the flower trade than can be estimated. Judicious advertising by this means, is a paying investment, and is sooner or later sure to be productive of good results.

As to the advancement made in the cultivation and perfection of this flower, we now have varieties of size and quality of which we never dreamed fifteen years ago. As time goes on we shall all be striving and struggling as we have heretofore. As the past has been so full of benefits unforeseen, we look forward not only to retaining the glory which we have won, but to the winning of new laurels in fields ever new and broadening. The bloom which now is receiving our tenderest care has returned to us full benefits. Let us not be slow in recognizing the goodness of a beneficent Providence, and in return show our appreciation by adding to the talent with which we have been entrusted.

Packing Specimen Blooms.

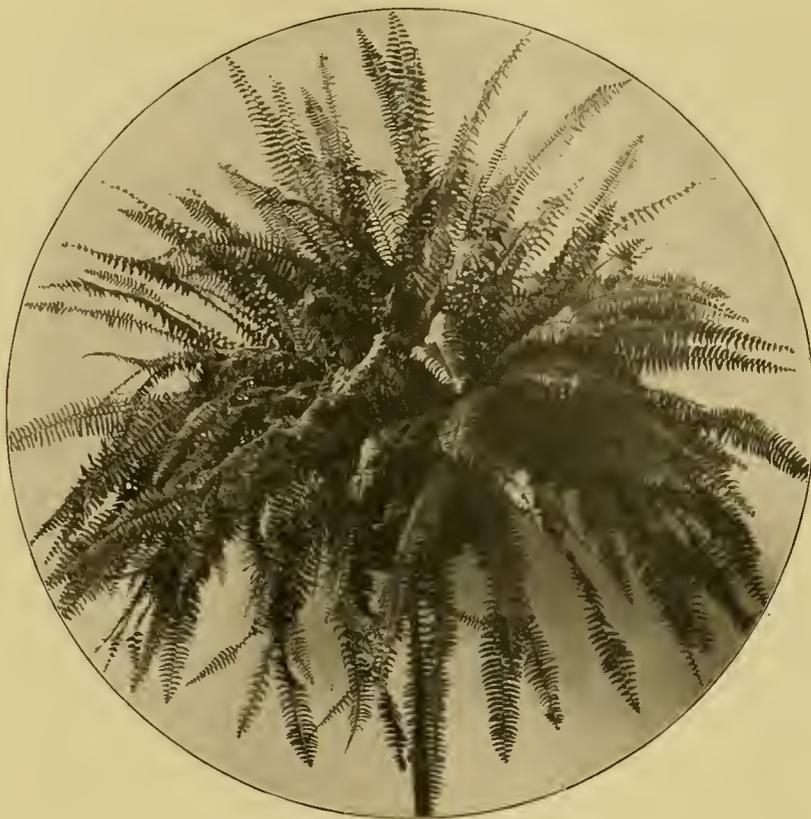
Growers of fine chrysanthemums will be interested in the method of packing blooms for shipment for exhibition, etc., practiced by A. Herrington, as shown in our illustration. Wooden cleats, well wrapped in tissue paper, are securely fastened across the box and each individual flower is tied thereto just below the base of the bloom. No amount of rough handling by expressmen can possibly do any damage to the contents, and as an additional precaution against dryness or heat the end of each stem is wrapped in a generous wad of water-soaked tissue paper.

Growing the Boston Fern.

[A paper, illustrated with sample plants, read before the Chicago Florists' Club, November 2, 1900, by James S. Wilson, of Western Springs, Ill.]

In growing the Boston fern as a pot plant my method of culture is as follows: First, I plant up a house of young plants from 3-inch to 4-inch pots about December 1, using a rather stiff loam, one-fourth well-rotted cow manure with sprinklings of bone meal. As the plants begin to grow I tie the fronds of each plant loosely to a light cane stake so as to keep the leaves off the soil and to let light and air reach the soil between the rows, which makes the young plants, which begin to appear about February, dwarf and stocky, such as this sample runner I have here. Such runners when potted into 2½ inch pots never wilt or lose a leaf, which is usually a saving of from six to eight weeks' time over long, drawn-up runners, which, when potted, lose their leaves or must be cut, leaving eight to twelve inches of the fronds.

As the benched stock, or mother plants, as they may be termed, get larger thin them out by cutting out the largest old fronds, leaving only sufficient fronds to sustain the action in the growth of the



ONE OF CRAIG'S BOSTON FERNS IN A 12-INCH POT.

runners. After each batch of runners is taken off, re-tie the old plants and give them a top-dressing of fine, sifted soil with a good sprinkling of fine bone meal mixed in. Then the bench is in good shape for another crop.

When the runners have made two or three leaves and are about six to ten inches high, they are pulled up with a nice bunch of roots (such as the runner has which I have already shown you) and potted into 2½ inch pots. In three weeks' time they are rooted through and ready for a shift into 3 inch and then into 4 inch pots, and so continue, never permitting the growth to become checked. In potting use the same kind of soil.

When the plants reach a 4-inch pot and are ready for a shift into 5 inch or 6-inch there are a number of air roots extending over the side of the pot. I am always careful of these roots, and in shifting to a larger pot twine them around the ball about one-half inch under the soil around the rim. They soon take root and send up young growth, which makes the plant full and bushy, such as the 10-inch size I show here.

You will note the bushy, compact growth of this plant and I am often asked how they are kept to this shape. In the first place, my benched stock-plants are never shaded. The runners, I shade a little after potting, but after a few days give them the full sun. This, I believe, accounts for the sturdy, compact growth so much desired by buyers of this popular fern.

I am aware that a great many writers and florists advocate and grow these ferns by planting out in benches, keeping them there until the required size is attained, then lifting and potting them. I do not approve of the plan and claim a first-class plant cannot be produced by this method, because you only have the old, mother plant to lift. The cutting

away of all the runners leaves nothing but the old plant, which soon becomes hard-stemmed and leggy, with no foliage around the top of the pot, unsatisfactory to handle and unsatisfactory to the buyer.

The pot I use is the azalea or half pot, in sizes from six to twelve inches. The plants grow better, throwing out runners and forming young plants much sooner than when planted in the old, deep pot. Besides, they look much better and are not so clumsy to handle, while the retail store men like them much better for counter trade.

I have seen the statement that the country is being over-stocked with the Boston fern; the same cry has been often applied to Beauties, carnations and cannas. The fact remains that the demand for this fern was never so strong as to-day, while well known, shapely plants of the best selling sizes are continually scarce and often out of stock for weeks at a time.

Practical Chrysanthemum Growing.

Believing that a few notes on the present status of the chrysanthemum industry among the practical florists in the vicinity of Philadelphia would be interesting at this time, I took a run among a few of the more prominent places the other day and you can now look at the matter through my spectacles and see in five minutes what took me a good many hours, as I have tried to leave out all that was not worth talking about or unnecessary in adding "artistic versimilitude to a bald and uninteresting narrative."

The growing of chrysanthemums, at least around Philadelphia, does not appear to be the Klondike it once was. Fine blooms do not bring the prices and consequently many of the most extensive growers have largely given them up.

Notwithstanding this, however, there still seems to be enough and to spare among the retail stores for all demands. This is accounted for from the increased production by a greater number of smaller growers.

One of the old standbys who still devotes considerable space to them in this vicinity is George Campbell, at Broad and Germantown avenue. The bulk of his trade is in pot plants, part of which are used in his retail trade and the balance at wholesale. According to Mr. Campbell there has been nothing particularly meritorious produced in the past two years, with possibly the exception of W. Paul Binder's Willowbrook, a Japanese, white slightly tinged lemon, not very large but very early and has proven a fine commercial sort; and Lady Harriet, a pink incurved Japanese. These two varieties have done particularly well and are very meritorious. Binder's Harry A. Parr has also done well.

Charles Mecky, a near neighbor of Mr. Campbell also grows a considerable quantity in pots for the wholesale market. He does not go in much for novelties, confining himself mostly to the standard, tried and tested sorts.

W. K. Harris devotes four houses to cut blooms. His varieties are mostly seedlings of his own which he has never disseminated, consequently their merits are unknown outside of his own establishment and unless they should be disseminated later a description of them would be superfluous. Mr. Harris used to grow pot plants largely in years gone by but has now given that up.

Samuel Bunting, at Sixtieth and Elmwood avenue, is another grower who goes in largely for chrysanthemums and has been quite successful with them. Many other florists grow more or less but there is no craze for them to compare with what it was six or seven years ago.

Perhaps the most representative practical grower here who goes in heavy on chrysanthemums is Hugh Graham. Mr. Graham's establishment is on the old York Road about twenty minutes by steam car or trolley from Philadelphia. This place is ably presided over by Victor Groshens, who is admitted to be one of the ablest, all-around growers in this vicinity. I called at Mr. Graham's city establishment and asked if I would be likely to find Victor at the place that morning. "Find him," replied Mr. Graham, "I guess you can; why, you could not drive that man away from the place. I do not think he has been away twenty-four hours in the last twelve months." This remark shows how devoted Victor is to the duties of his profession, and sure enough, I found him hard at work at the top of a fifty-foot ladder, superintending the erection of an expansion tank in one of the out-buildings.

With his usual good nature he willingly "came off his perch" and showed me over the place. The first batch of chrysanthemums we came to was a house of Ivory, both the pink and the white. Their experience is that Ivory is still the best for a pot plant, the white being the most popular and by far the best seller. They also grow in pots Major Bonnaffon, Mrs. Canning, Mrs. Potter, Lincoln and Mrs. Buettner, the latter being one of the finest late yellows which they know of. They find these pot plants very useful for decorations as well as for store sales.

Among the crimson varieties for cut blooms only the George W. Childs is given a prominent place, it being in their experience the best crimson. It grows

better, is stronger and gives the largest blooms in its color. The football matches always call for crimson and this variety is indispensable for that kind of function. In yellows Philadelphia and Pennsylvania, both of which were originated by Graham, are largely grown and hold their own with the best of them. The best pink with them is Mrs. Potter, one of their own seedlings, which has never been sent out. It is a good color, fine grower and very easy to handle; it is also good as a pot plant. Among the best whites are William H. Chadwick and Yanoma. The latter is later than Chadwick, very large and a good one, although perhaps not quite as good all around as Chadwick.

A whole house is devoted to Bonnaffon, which is still one of the grandest in its color and generally very free from disease. It is one of the very best sellers in its color. Among the varieties grown in



GAS WELL OF SOUTH PARK FLORAL CO.

smaller quantities for cutting may be mentioned Leoni, Vivand-Morel, C. Davis, Pluto, Leonidas, Mrs. Constable, Fe du Champsaur, Modesto, Faure, Iora, Golden Wedding, Golden Gate, Mutual Friend, Mrs. Robinson and Frank Hardy.

Quite a collection of last year's novelties were planted for trial but they were overtaken by a small red insect, something like red spider but smaller, which has made the experiment almost a failure and it is impossible to judge of the merits of any of them in consequence.

Among other interesting things worthy of notice besides the chrysanthemums which I saw on my visit to Mr. Graham's, may be mentioned their new palm house. This house is somewhat unique and is a valuable addition to the facilities of the establishment. It is sixty feet wide and

135 feet long, in three spans, the middle span being even and the highest, those on each side being three-quarter span and four feet lower in elevation. The posts are iron, on single 4-inch brick walls. The house is heated by hot water. A new Kroeschell boiler was just being installed. Victor thinks this type the best for more than one reason, one of the chief being that it gives plenty of heating surface and also requires less depth in setting, being flatter.

Two or three houses are devoted to palms, standard varieties such as kentias, arecas, etc. Victor has a very good word to say for the Caryota urens. It is the greatest "laster" of any of them and a very good thing for any one to have who has any decorating to do. Another house is devoted to orchids, the varieties grown being mostly cattleyas, cypridium and odontoglossums.

Several houses are devoted to carnations, the varieties grown being principally Victor, Maceo, White Cloud, Crane and Daybreak. They have had some trouble with carnations this fall. Some kind of fungus attacking the stem just between wind and water, it commences to rot both up and down, and in a few days the plant is dead. I think it is what is known as anthracnose, but am not enough of an expert to say positively. I therefore mail you a sample plant, Mr. Editor, as you are rightly supposed to know everything, and will be pleased to have you give your opinion of it and say what it is and what the remedy.

Quite a large section of the establishment is devoted to roses, three houses being in Bridesmaid, four or five in Beauties and the balance in other standard sorts. Most of the Beauties are looking well, I only saw one house that had much of the spot in it, although this is a numerous visitor in this neighborhood this season, probably on account of the muggy weather we have experienced. One house of Beauty they were getting ready to clean out and will replace with Brunners for a spring crop.

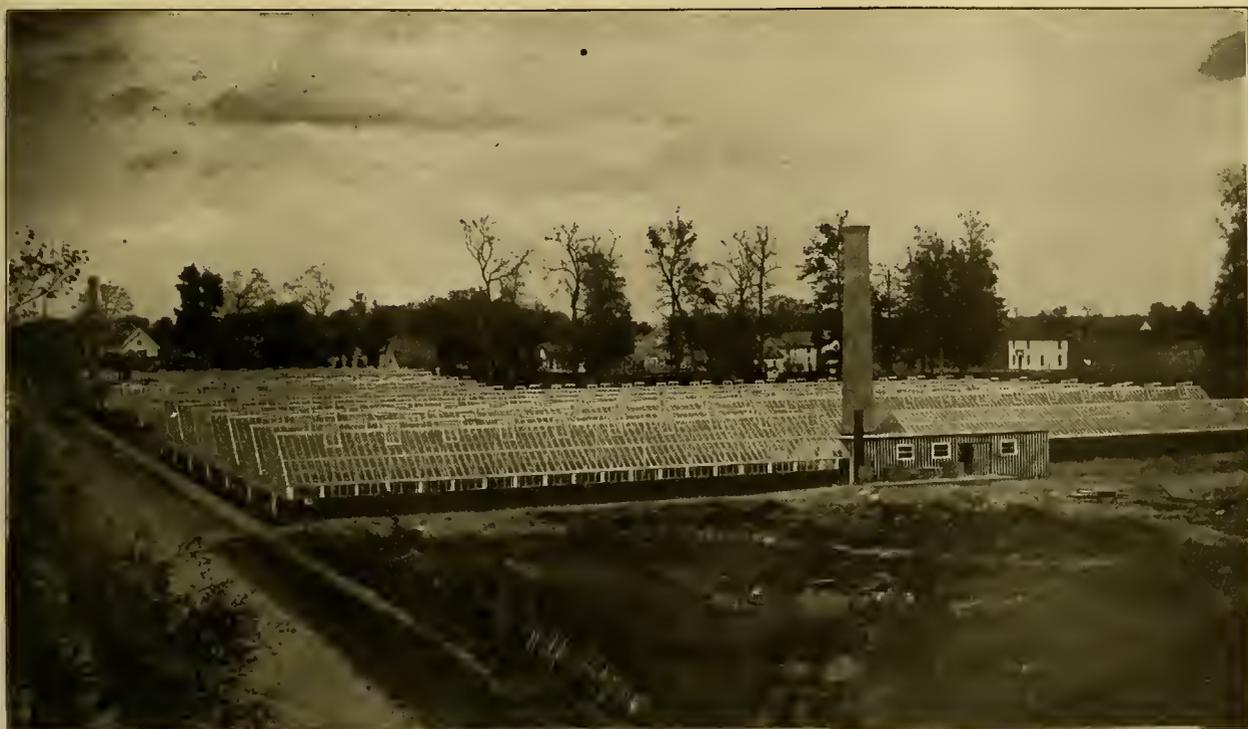
A novelty in roses which I observed here, and have not seen elsewhere, was Sunrise. This was offered by E. G. Hill & Co. last season for the first time. Mr. Graham has about 200 plants of it. It is an English variety, a sport from the Perle. It has much darker foliage. The flower is red on the under side of the petals and yellow on the upper; when the flower opens both colors show at once, which gives a very charming, unique effect. The fragrance is very similar to the Perle.

Victor has a number of new seedling carnations, some of which he says are promising, but none of them were enough in flower at the time of my visit to enable judgment of any importance to be formed on them. A little later in the season there may be something to tell about these; so far I would only venture to mention one of them, a pink, a shade lighter than Daybreak but a much larger flower. Victor intends to call this Mrs. Van Rensselaer, but will not disseminate it until he gives it another year's trial and sees how it behaves.

There is no fault to find with Liberty here. It is doing well and will do better later in the season, when Meteors are off. Glad to say a good word for it after all I have heard around here the past month.

GEORGE C. WATSON.

[The samples of Mr. Graham's carnations received were afflicted with stem-rot. We do not know of any remedy,



VIEW OF THE ESTABLISHMENT OF THE SOUTH PARK FLORAL COMPANY, NEW CASTLE, IND.

but a mixture of lime and soot placed around the stems, and spraying with Bordeaux mixture, have been mentioned as preventives.—Ed.]

WITH THE GROWERS.

SOUTH PARK FLORAL CO., NEW CASTLE, IND.

Down in the Hoosier state there is a concern which is forging to the floricultural front. It is the South Park Floral Company, at New Castle, in the gas belt, and but a little way from Richmond, already famous for its flowers. The South Park people began business in a small way not more than five years ago, growing a miscellaneous stock. Now they have 100,000 feet of glass devoted to one flower. In the second year of its existence the concern grew nothing but roses and carnations and, while the latter were good enough to capture a number of the prizes at the exhibition of the American Carnation Society of that year, the natural conditions were proven to be particularly favorable to rose growing. Since then that flower has been made a specialty, with results which form the basis for an extended reputation.

When it was decided to go into roses exclusively, the old houses were torn away and replaced by structures better adapted to rose culture. The following season four more houses were built, and last spring a new range of 50,000 feet, bringing the total up to 100,000, was added. This new range is planted with American Beauties and the balance of the place is given over to Bride and Bridesmaid, with one house of Perle and a stock of the new rose hitherto designated only as No. 19, which is shortly to be introduced as Marquis Litta.

Last spring a fine tract of land was purchased adjoining the new range and in the foreground of the accompanying illustration, the photograph for which was taken from the derrick at the natural gas well which supplies the fuel for the five big boilers with which the place is

heated. The soil not only covers a fuel supply of immense value but is in itself a treasure, as it is a rich clay loam, just right for filling rose benches.

A tour of the greenhouses shows a robust health, a vigor of growth and a luxuriance of foliage seldom equalled, and for this the proprietors give large credit to the natural gas heat, which enables them to maintain a very even temperature, regulating it largely by ventilation. They claim that this also improves the keeping quality of their product, a most important attribute of cut stock.

The South Park Floral Company is composed of two brothers, Meyer Heller and Herbert Heller, whose foreman is William Ditman. They are always ready to extend a greeting to a visitor and few are the florists who cannot learn something new of rose culture by a tour of their establishment. New Castle is forty-five miles east of Indianapolis and is accessible by three railroads.

CARNATIONS.

RESULTS OF A PECULIAR SEASON.

A peculiar summer coupled with an unusual fall has been none too good for the general health and welfare of carnations and the careful grower will regulate his methods, as far as practicable, to the unusual weather conditions. With October giving us the weather of May, the season is turned topsy-turvy and instead of our plants having that good, hard, healthy growth we naturally look for in the fall, they are a bit soft and somewhat drawn. If we have a cool November, and it is to be hoped that we do have, this can all be overcome and the plants be little the worse for their experience.

As I have stated a number of times, there can be no set rules laid down for carnation culture, and here is a striking instance. Carnations that would, under ordinary conditions, stand a temperature of 35° for one night and be all the better

for it, will, on account of the summer weather in which they have been growing, suffer if the temperature falls below 45°. It is therefore advisable to start fires whenever there is any indication of a fall in temperature and at the same time leave on a bit of ventilation, so that the house may not get much above 45° at night.

Continuous firing may be necessary by the time this article gets into print, but, in order to get the plants into the best possible shape for producing good stock the balance of the season, it is not advisable to allow the temperature to get much higher than 45° at night for a few weeks. At the same time give the plants all the water they can make good use of at the roots. There is nothing which will put the plants into better shape than cool, moist, sweet soil and a moderately cool atmosphere, not too dry, but at the same time not humid. It, however, the days should continue hot and summer-like, then a better plan will be to withhold all the water possible without actually stunting the growth of the plants and harden them by the dry process instead of the wet.

Another point in carnation culture affected by the hot weather is the addition of extra fertilizers. This extra growth may have, in some cases, impoverished the soil to such an extent that feeding may be a necessity, but in most cases the plants will be better off without extra fertilizer until the first or second week of December. Forcing of any kind should be avoided, but at the same time do not allow your holiday crop to be short in quantity for the sake of quality unless you are sure of making more money out of the quality than the quantity.

It costs money to grow fancy carnations and it takes a good market to make them pay. Some growers who started growing fancy stock without a good market for the same, have, after a few years of steady loss, gone back to good

quality stock at remunerative figures and a few of them have dropped carnations entirely, for it also costs to grow poor carnations and the grower is pretty sure to come out short at the end of the season and shorter every year that such stock is produced.

The grower who has the market for fancy stock cannot make it too fancy, but the great majority of growers will have to content themselves with the production of first-class blooms at such a figure that there will be a little balance in their favor at the end of the season. And it is this class of growers who have to carefully watch every point of culture so as to get the fullest returns with the least cost.

The question of varieties is also quite an item with every grower and if it were possible for us to get a good, honest expression of opinion from a number of localities it would give us a basis on which to form an opinion as to what we would try for another season. Owing to the unseasonable weather it is hard to decide at this date as to the merits of the new candidates, as some have been affected more than others by the season.

White Cloud has some very good flowers on good, long stems, the latter being a little weak and the flowers not over-abundant, but the growth is good and some time this winter there will be a big crop of flowers.

Elm City has produced quite a nice crop of flowers, on moderately long stems, and in growth it is neat and sturdy, with an immense crop of flowers on the way for December and January.

Peru, the latest of the three whites I am growing this season, has made a little more stem than Elm City, but not quite so stiff, and the flowers have not been produced as freely, but it gives promise of making up later on all shortage and if anything is a whiter and better flower.

Maceo would make a flower to every little branch, not very large nor very long-stemmed at this season of the year, but it is certainly a wonderful producer.

Gomez has more stem but not so many flowers, although being a brighter color makes up for the difference in blooming.

G. H. Crane is certainly outclassing Jubilee. In color it is now as good as Jubilee and the hot weather seems to suit it quite well; in point of production it will go ahead of its predecessor.

Leslie Paul, as usual, is a bit late but there are enough buds showing for the holidays to make it worth growing on account of its color and good points as a flower.

Genevieve Lord has not shown its full quality as to size but the color is all there and the blooming qualities leave nothing to be desired, so that it promises to give good results soon.

Mrs. Bertram Lippincott is a little slow in giving its improved Daybreak flowers but some of the plants have seven and eight buds that will be open between now and January 15, so that it will likely prove a standard sort.

Ethel Crocker is showing up well; it always has in the three years I have been growing it. The stems are not quite as strong as they will be later on, but the flowers are good in color, good in size and there have been plenty of them since early in September. As this is a discovery of my own I want to give a few words as to the methods I use to get the best results from the variety. In the first place it does not want too heavy feeding but it does want as nearly as possible a night temperature of 50° or even a little more. If it is cut before the

flowers have fully opened and put into water not too cold and placed in a cool room, say 40° to 45°, with some light, for from six to twelve hours and then kept strictly away from all ice boxes it will be one of the best keepers storemen ever handled. If the grower wishes to feed it, give it small doses often repeated rather than a heavy fertilization at one time, but it will be found that it will thrive best with rather moderately rich soil and the proper attention to watering and temperature. If allowed to get too cold it will not give the best results.

Olympia has been coming a bit single on account of the heat but, from the buds it is showing and the nature of its growth, it looks as if it would be a good one to have on the place.

Mrs. Bradt is behaving as it always does and a few Bou Ton sent me by the



YUCCA FILAMENTOSA.

originator for a second trial would almost tempt one to plant his whole place to it.

This is not a very big list of varieties but to get the best results one variety to a house gives chances for special culture that it is impossible to give in a house of mixed sorts and we will no doubt eventually come to this sort of culture with the carnation, just as the rose growers have done with their roses.

ALBERT M. HERR.

TREATMENT OF CARNATION BLOOMS

Regarding the temperatures for keeping carnation flowers after they are cut, my experience has been that an average of 50° is the best, in conjunction with a dry, healthy atmosphere, without drafts or currents of air directly on the flowers. A moderate amount of light without direct rays of the sun is essential to their good keeping qualities. A thing to avoid, more especially, is ice in any form. Gas, either illuminating, from a furnace, or sulphuric from heating pipes are all poison to carnation blooms. Clean

receptacles with clean, fresh water every day, with no dust or dirt in any form in the storeroom are important factors in keeping the flowers in the best possible condition. All flowers should have their stems in water for ten or twelve hours before shipping, but there should be no water on the flowers themselves.

JOHN N. MAY.

The Yuccas.

The yucca family has many species and all are native on the western continent. The name, yucca, was the original word for the plant among the Indians. The kinds which are most commonly planted for their many merits are *Yucca angustifolia* and *Yucca filamentosa*. The former is, as its name implies, narrow-leaved and stands, when in bloom, rarely over two feet high. *Yucca filamentosa*, the subject of the accompanying illustrations, is popularly known as the Adam's needle. The stiff, needle-like, pointed leaf of the edge of the foliage suggests the possibility of stitching together Adam's first suit of clothes.

Yucca filamentosa is classified as a shrub and resembles the agave in not having any stalk above the ground and the thick, bayonet-like leaves, bristling out from the center, remain green all winter. The leaves in the center are sometimes three years old before they wither and dry up. After sending up a grand stalk five or six feet high, with lateral branches all loaded with creamy, waxen bells an inch and a half long, the main root stalk forms larger eyes for next year and the center eventually dies and a cluster of several plants takes its place.

In propagating such plants can readily be cut off from the parent root. This method is quicker and the plants are larger than when raised from the very numerous seeds, which rarely germinate in this climate. The yucca thrives in almost any soil, but prefers a medium rich, light loam. The stately panicles which come in June are decidedly showy, whether used separately on the lawn or in connection with other shrubbery. For a semi-tropical effect this broad-leaved evergreen takes first rank and has no substitute among hardy plants.

WM. A. PETERSON.

Seasonable Work of Plantmen.

To ensure the best results in plant growing there are many details to be considered and precautions to be taken, and what may be considered as one of the foundation stones upon which to rear success is a proper supply of potting soil, for without this much time and labor will inevitably be wasted. A well-developed compost heap should be a feature of every greenhouse establishment, and may be taken as some indication of the foresight of the manager, though there is frequently found considerable difficulty in keeping up the supply of soil on places that are located within the limits of a city.

The best raw material for this purpose is found in the form of sod taken from an old pasture, and the least laborious method of digging it is to turn the sod over with a plow, making it comparatively easy to shovel the sod into a cart to transfer it to the place selected for the compost heap. This old sod provides a goodly quantity of humus in the soil, as the grass and roots decay, and thus furnishes a quantity of available plant food

that cannot be supplied by the addition of fertilizers. A disadvantage that appears with the use of this soil is the great number of cockchafer grubs, the larva of the June bug, that are frequently found in it, but these grubs are large enough to be readily seen and may be destroyed as the soil is used.

The soil, having been carted into the compost yard, should be stacked up with several layers of good stable manure, the proportion of one part of manure to six parts of soil being a good one for general purposes, while other special fertilizers may be added at the time the soil is used. It is preferable that this work be done in summer or early fall and the compost allowed to stand in the stack until the following spring, when it should be turned over and thoroughly mixed and will then be ready for use.

Another of the smaller details at this season of the year is that of getting a sufficient quantity of potting soil under cover to enable the workers to be independent of the weather, delays being frequently caused by having to bring in frozen soil during the winter and then wait until it is thawed out and dry enough to be used.

The baking or steaming of potting soil prior to its use, for the purpose of destroying the seeds of weeds and to kill the insects and eggs of insects that may be contained therein, has been practiced to some extent of late years and with a considerable degree of success. Wm. K. Harris, the well known and successful Philadelphia plantsman, has contrived a box for this purpose, the bottom of which is fitted with steam pipes. Such an apparatus is a great convenience, though not a necessity, and should be used with judgment, for, in the opinion of some growers, good soil, if cooked, should preferably be a trifle "rare" rather than overdone.

So mild an autumn as this has been is quite favorable for late pottings of foliage plants, the warm weather encouraging renewed root action and enabling the plants to become much better established than would be the case in a season when fire heat alone has to be depended upon.

The busy season for the retail florist seems to be growing shorter, owing to the fact that so many of his customers, in the city trade, at least, have acquired the habit of staying at their country places or of continuing their travels until much later in the year than was the former fashion. This postponement of trade in the fall not only makes a short, though high-pressure season for the retailer, but also affects the grower to some extent, he being anxious to empty some of his benches early enough to permit the repotting of some young stock that may become marketable by spring. But these little difficulties will doubtless continue to arise with the march of time and progress, and as few growers have ever been known to admit that they had space enough at any time, perhaps it is of small consequence whether trade is early or late.

Many growers have been experimenting with a few palm seeds this season and to those not familiar with the usual routine followed in the growing of this class of stock, it may be said that the sooner all seedlings that are ready, and in most cases that means when the second leaf starts, are potted off, the better it will be for them, for when potted off during the winter they are usually much slower in becoming established. This remark applies with much force in regard to seedlings of *Cocos Weddeliana*, the young



YUCCA FILAMENTOSA IN NURSERY ROWS.

plants of this palm being quite tender about the root at all times, and are especially slow in taking hold when potted off too late in the season.

Areca lutescens should also be potted off as early as they are ready, and are somewhat susceptible to the cold if allowed to go without fire heat as the nights grow longer and cooler in the fall. *Kentia* seedlings, and also those of *Latania Borbonica*, are more hardy and a less percentage of loss is liable to result from late potting of these than of the foregoing, though even the *latanias* are much longer in becoming established when the first potting takes place during the winter months.

For a length of time the only conifer that was handled in quantity by many retail stores was the beautiful Norfolk Island pine, *Araucaria excelsa*, in its various forms, but there are other pot-grown conifers that now find a market in some of our large cities, among them being some of the *retinosporas*, for example *R. plumosa*, *R. pisitara aurea*, *R. leptoclada*, *R. filifera* and *R. squarrosa*, also *Cryptomeria Japonica* and *C. elegans*, and several of the *thujas*. These are plants that have been lifted from the nursery and potted into 6 inch to 10 inch pots, according to size, and early enough to enable them to be well rooted before being offered for sale. Such plants may be plunged in a frame outdoors until sharp frosts are expected, when they should be brought into a cool house, given full light and kept well ventilated, for though plants of this description would not be seriously injured by exposure to frost, yet such exposure is liable to change the color of the foliage and make the plants less attractive to the average buyer.

We were again reminded of the beauty of *Eurya latifolia variegata* by the interesting exhibit of this species that was presented at the S. A. F. convention in New York. It is indeed a beautiful plant, the foliage lasting and the variegation rich and constant, and only requires a winter temperature of 45° to keep it in good condition. Unfortunately the *eurya* is a somewhat slow plant to grow into a salable specimen, and therefore does not appeal to the grower for market as does *Ficus elastica* or the Boston fern.

W. H. TAPLIN.

Notes on Hardy Vines.

It is very often the case when a new house is built that the grading around it is left to improper hands and the work is done with no thought save as to the quickest and easiest way. We find then, generally, that around the walls of the house the soil is mostly lime, rubbish and subsoil from the excavation of the cellar, with a thin covering of good loam for the lawn grass to take root in. In cases where this has been done there is not only a poor lawn, but vines, shrubs and trees that have been planted with the expectation of a rapid growth eke out only a miserable existence.

To ensure the quick and healthy growth of a climber it is absolutely necessary that a deep, rich soil shall be provided. Having done some extra work in the first place to attain this end we will be satisfied, after seeing two seasons' growth, that we are amply repaid for our extra work at the start. A few remarks on worthy climbers may not be amiss at this season.

Actinidia arguta is a strong growing vine from Japan, where the fruit is edible. The flowers are white, in large panicles. *A. Kolomitka*, perhaps the finest of the actinidias, is comparatively little known in this country, although it has been grown in European gardens for the past three decades. The flowers are white and bell-shaped. It is in the leaves that the beauty of this plant lies. These are cordate, about two and one-half to three inches in diameter. They are first green, with a white blotch at the apex and often halfway down the leaf, then gradually changing to pink and brown. It is, in my opinion, identical with the vine which is being introduced as the true *A. polygama*.

Akebia quinata is an old favorite which cannot be too highly spoken of. As a covering for porches it is unsurpassed, having a clean, bright green foliage and pretty, dark brown flowers, occasionally followed by curiously shaped seed pods of a dove gray color, gradually turning to a pretty shade of blue and opening to show the abundance of jet black seeds.

Aristolochia Siphio is too well known to require a description. Our only objection to it is its being infested by an ugly looking caterpillar, *Papillio philinor*. It

requires constant watching to keep the large leaves from being entirely eaten up. There are many sections where this butterfly is not plentiful and where *Aristolochia Siphon* is one of the finest climbers that can be had.

Bignonia grandiflora is a Chinese variety which is the finest of all the hardy trumpet vines. The flowers are of a yellow scarlet color, borne in large panicles, each individual flower about three inches in diameter. It is not such a strong grower as the common variety, *B. radicans*. In planting *B. grandiflora* it should be examined to see if it is grafted on the roots of the common variety, as this is generally the means of propagation. If grafted, no suckers should be allowed to come up from the roots.

Celastrus scandens, our native bitter-sweet, and the two Japanese species, *C. articulatus* and *C. punctatus*, are vines which deserve more attention than is given them. From now on through the winter months the berries will be a perfect mass of yellow and scarlet.

Schizophragma hydrangeoides is often confounded with *Hydrangea scandens*, which it somewhat resembles. It is not so hardy, however, but makes an excellent covering on a sheltered wall where it can receive some protection in winter.

Lonicera brachypoda and its variety, *L. brachypoda aureo-reticulata*, are perhaps the best of the honeysuckles. *L. Halleana* is a free flowering variety, as well as a rapid grower. The native coral honeysuckle, *L. sempervirens*, is a very pretty variety and ought to find a place in every collection.

Lycium Chinense is excellent for planting among rocks or by rough stone walls. During the fall months the bright scarlet berries are very showy.

Vitis heterophylla variegata is another excellent covering for rough rock or rustic work. It has beautifully variegated foliage and the loose bunches of blue-colored berries which appear in fall make it very attractive.

Ampelopsis quinquefolia, the Virginian creeper, is another vine, like the preceding two, very useful among rustic work. The brilliant hues of the autumn foliage are its chief attraction.

Wistarias, though rather slow of growth at the start, will in the end amply repay for the patience of waiting a few years. The Chinese varieties, *W. Sinensis* and *W. Sinensis alba*, are perhaps the most satisfactory, though the Japanese varieties, *W. multijuga* and *W. multijuga alba*, have much larger racemes of flowers.

Forsythia suspensa, though not often used as a climber, is easily trained as such and when in bloom in the early days of spring nothing can be more attractive than the richness of the golden bells. The foliage is also a clean green color, making it attractive the whole season.

Travelling through Massachusetts recently the writer could not but admire the beauties of *Clematis paniculata*; at almost every porch it seemed to find a place, and not unworthily. The great abundance of bloom and season of flowering will always permit this vine to hold its place as a leader among our hardy climbers.

JOHN W. DUNCAN.

The Pan-American Exposition.

The accompanying illustration shows a portion of the Pan-American Exposition grounds as they appeared on September 13. It is a view from the forecourt looking westward and includes a portion of the grounds set aside for

exhibits. To realize the progress that has been made it must be remembered that the whole surface of this part has been raised over three feet from its natural grade since the first of last May. The clay was excavated from one of the mirror lakes on the right of the picture. The trees and shrubs were planted about the first of June, using large quantities of good soil; then the whole surface was covered with four inches of good loam, with a surface covering of fine manure and sand. The sowing of grass seed was continued without interruption every day during the summer, and with the constant use of the hose it has been a phenomenal success; in fact, the grass over this portion of the grounds is a most excellent lawn and has the appearance of having been down several years instead of only three months. There are several hundred beds of all dimensions, which do not show in the picture. Wherever a bed was designed the clay was excavated fifteen inches, and in many cases eighteen inches, and strong, heavy loam, with about one-third of manure, was filled in.

The beds of dark foliage in the foreground are hybrid perpetual roses from several exhibitors. There are also many more of these that can not be readily seen. These plants were taken from a root house between June 1 and June 10, six or seven weeks later than is usually the time for planting. With a severe pruning and a liberal use of the hose they made a good start and in most cases have made a wonderful growth. Beds of Ulrich Brunner, Paul Neyron and other

rounding the grand basin will be a brilliant display of bulbous plants.

A great deal of work has been done on the southeast section of the grounds and on the islands. Thousands of shrubs are being planted and there are no bare spots. In every available place where it is too shady to have grass thrive the surface is covered with *Vinca minor*, money vine and other creeping plants.

The banks in the foreground of the second illustration are the west side of what is known as the forecourt, from which a fine bridge will pass over to where one can see the unfinished retaining wall. The building in the distance is the only building left standing on the grounds that existed when the ground was acquired, and is the most unpretentious of all. It was formerly the Country club and after a suitable embellishment it will be handed over for the Women's building. The building in course of construction to the right is a portion of the Mines building, which is now complete.

Though not in the horticultural line, the writer cannot refrain from mentioning the beautiful appearance of the buildings now that the coloring is going on. Instead of being a "White City" the eye is charmed with the most exquisite blending of colors, and this is to be carried out on every building. The Horticulture building will soon be completed, also the conservatories leading to the Mines and Graphic Arts building. The conservatories will be heated by the first of the New Year.

It is very pleasant to have gentlemen who have just returned from Paris tell us that in all things the Pan-American will



VIEW IN THE GROUNDS OF THE PAN-AMERICAN EXPOSITION.

varieties, containing 500 of each variety, have in some cases reached a height of five feet.

Many large exhibits of tulips are now being planted. There will be no vacant beds on the first of next May. In all there will be upwards of 100,000 tulips and hyacinths, Spanish irises and other bulbous flowers. A few dozen small beds will be left for masses of pansies in different colors. This section of the grounds, entering from Elmwood avenue, must make a grand display. Mr. Ulrich, the landscape architect, is also planting in the grand court a very large exhibit of bulbs. Long panels, 12x400 feet, are filled with tulips and hyacinths in geometrical designs. In many places sur-

be more beautiful than that much advertised affair, and in horticulture we shall be lengths ahead. Several car loads of plants have lately arrived from California to be used in the adornment of the grand court. They consist of yuccas, dracenas, bamboos, pampas grass and many large palms. The Department of Works is propagating many thousands of plants to be used in vases, hundreds of which will be distributed over the grounds, and also boxes, which will be lavishly used at the base of many of the buildings.

WM. SCOTT.

STERLING, ILL.—Messrs. Grove have purchased property on which to erect two 100-foot houses for mushrooms.



UNCOMPLETED FORECOURT OF THE PAN-AMERICAN EXPOSITION.

New York.

ELECTION AND OTHER MATTERS DIVERT THOUGHTS FROM THE CONGESTED MARKET.—UNFAVORABLE CONDITIONS CAUSE LITTLE GRUMBLING.—AMPLE SUPPLIES OF CARNATIONS FOR MANY MARCHERS.—AT THE HOME OF ERICAS.—SCHULTHEIS AND HIS MANY DOINGS.—VARIOUS NOTES OF INTEREST.

The city has been well supplied with diversions, political and otherwise, and although the wholesale flower market has continued in a state of congestion, people have accepted the situation as a matter of course and turned their thoughts elsewhere for the time being and the accumulating ranks of chrysanthemums seem powerless to even ruffle the good nature of the sorely tried wholesalers, while growers, with admirable judgment, are discreetly keeping away from the wholesale section at present. The retail element as represented by the younger generation, is quite out of its head over the success of last Saturday's parade and the novel sensation of having really gotten together for once and co-operated in something; so now they are seriously discussing the feasibility of forming some sort of an organization where they can meet one another more frequently in a social way. This is something decidedly new in retail history and indicates a movement upward in the scale—a benefit for once directly traceable to politics.

Our prediction of last week, that there would be enough carnations and chrysanthemums for all demands on account of the big parade, were fully borne out in the results. True, the rain had a disastrous effect and curtailed business badly in this line, but the accumulation left on the market was a sufficient index that, even with the brightest of skies, there would have been no shortage. With the immense resources of to-day the chances of tying up the market on any particular class of flowers are so uncertain that it seems a folly for anyone to attempt it. Some of the more sanguine operators, who bought up heavily last week in anticipation of a boom on Saturday, were, on Sunday morning, sadder, also wiser men, and considerable material was unloaded at less than the cost. The carnation did not make as brilliant a success in the parade as would have been the case had the chrysanthemum not

been also in the field. Its overpowering bigness was too much for the divine flower under such circumstances, and the thousands of flaring paper "carnations" that were worn also had a share in placing the real article in an uncomfortable light. Roses are having a rather hard time of it a'together. A Greek, bearing away on his shoulders a bundle of American Beauties nearly as big as himself and flaunting the bill showing that he had purchased them for eight dollars a hundred last Monday, was a good indication of the prevailing condition of the rose market supply and demand.

Ericas at A. Schultheis' are exceedingly fine this season. Several houses are filled with the popular Christmas bloomers, *melanthera* and *Wilmoreaana*, besides *epacris* and several novelties, and there are long frames outside filled with spring flowering species. These frames are almost indispensable in a business of this kind. They are heated with several lines of hot water pipes and furnish accommodations for thousands of azaleas for Easter, *ardisias* for next season, etc. Ericas have made a good growth the past summer and have set the buds well, but are rather late as compared with past seasons. The recent warm weather has pushed them forward rapidly, however. Azaleas, home grown, so called because imported last spring and grown on in frames during the summer, are very luxuriant and well budded and are more pleasing in their slightly irregular outlines than the close cropped forms that prevail in the newly imported specimens. Among the newer azaleas is *Schreiveriana*, a pink and white double-flowered Easter variety. *Bougainvillea Sanderiana* is being kept cool and almost totally dry to induce the formation of flower buds, this process being indispensable if a grower is to make any success with this plant. Mr. Schultheis has over 200,000 forcing bulbs stored in flats and pans in the big bulb shed and is still spreading out, three new houses and a storage shed especially for bay trees having been just completed.

A bogus check swindler had a good time in Brooklyn the other day, Messrs. Weir and Phillips both being neatly victimized, which proves the operator to have been more than usually brilliant. Detectives, however, finally landed him in the police station.

A. Herrmann has leased a building at

709 First avenue, where he will do all his manufacturing of cecus wreaths, metal designs, sheaves, etc., and the place on 34th street will be used entirely for show rooms and salesroom. Mr. Herrmann reports an unprecedented October business, with the supply of many things behind the demand.

Thorley has opened his new branch establishment at Forty-fifth street and Fifth avenue. It is elegantly equipped and decorated.

Chas. Stahl has started a new retail store at 610 One Hundred and Forty-third street.

H. A. Bunyard has moved from 42 W. Twenty-eighth street to number 38, same street.

The American Institute chrysanthemum show will be held on November 14 and 15.

The New York Florists' Club will meet on Monday evening, November 12.

Boston.

WEATHER AIDS AN IMPROVEMENT IN QUALITIES, BUT BUSINESS SHOWS NO CHANGE.—MARKET DULL.—CHRYSANTHEMUMS AT THEIR HEIGHT.—ANNUAL MEETING OF MASSACHUSETTS HORTICULTURAL SOCIETY.—MANY VISITORS IN TOWN.—VARIOUS ITEMS.

There is very little change in the business situation as indicated in recent notes, excepting that better weather seems to have generally improved the quality of stock coming into the wholesale establishments. Election has interfered, as usual, with business and things have not yet recovered their normal conditions. It is apparent, however, that chrysanthemums are now at their full height, and, having been driven in rapidly by the recent warm weather, may be expected to get on the decline soon. In other lines of flowers the supply is not increasing to any extent, and it is probable that should cold, wintry weather be experienced soon, there may be something of a scarcity in certain lines. All are looking forward now to Thanksgiving, which is the next occasion of importance to the floral trade, and there is considerable conjecture as to how the supply at that time will hold out. The retail florists generally speak hopefully of the future, as it appears from their standpoint, and are fairly well satisfied with their fall business up to date, it having been in some respects better than was anticipated.

On Saturday, November 3, at the annual meeting of the Massachusetts Horticultural Society, the executive committee reported an appropriation of \$8,200 for prizes and gratuities during the coming year. It was voted that President Appleton should continue chairman of the building committee and that President-elect Hadwen be added to that committee. A letter was received from H. H. Hinnewell, announcing his resignation from the executive and finance committees of the society and same was accepted with regret. It was voted that the recent bequest of \$2500 from John S. Farlow be used as a fund the interest of which shall be used to purchase books for the library. W. N. Craig, gardener for Mrs. F. L. Ames, received a silver medal for an exhibit of twelve seedling cypripediums.

The chrysanthemum show at Horticultural Hall has attracted quite a number of strangers to the city, among those in attendance being, W. P. Craig, of Philadelphia; Henry Hurrell, Summit, N. J.; D. Macrorie, South Orange, N. J.; J. H.

Playdon, Andover; B. J. Connolly, Taunton; J. W. Withers, New York; Robt. Laurie, Arthur Griffin and Andrew Pow, Newport, R. I.; Eugene Dailedouze, Flatbush, N. Y.; C. Warburton, Fall River; Geo. McWilliam, Whitinsville; Jos. Clark and H. Shaw, Manchester; John Shields and Edw. Dolby, Dalton.

Mrs. M. Thompson, formerly with the Twombly Co., has opened a retail florist's establishment at 171 A Tremont street.

J. H. Cox has gone to Peoria, Ill., to take charge of the establishment of J. C. Murray.

Philadelphia.

SUPPLY OF STOCK SHORTENED BY COOL WEATHER.—PROST INVIGORATES DEMAND.—ITEMS OF SUPPLY AT HAND.—STORY OF THE CURRENT MARKET PRICES.—THE CLUB HAS A MEETING.—SMOKER PLANNED.

The weather is a little cooler, which has shortened up the crops of roses somewhat and has made a slight improvement in the demand. Maids have been poor, the color being bad. There has been an extra tinge noticed, however, the last day or two. Beauties continue to improve and they are now to be had with almost any length of stem. Prices range from \$1 to \$3 per dozen. Teas sell from \$3 to \$5, the latter for the best grade, although a few specials selected from these are quoted at \$6. The best white rose is still the Kaiserin, but the Brides are fast coming into shape and will supersede them for the season. Carnations are quite plentiful; the old standbys, Scott, Hill and Cartledge, are much in evidence. They are cutting them now with good length of stem. New sorts, such as Crane, Crocker and a few Lawson are showing up well, but rather short of stem, the Lawson quite so; still the flowers are large and will soon come all right in other respects. Violets are getting better, but are none too plentiful and the price has receded to 50 cents for all but the extras, for which 75 cents is asked. Chrysanthemums are now in full supply and there can be said to be no glut, most of the stock, if at all good, moving along nicely at fair prices. The varieties now in are Ivory, Queen, Maud Dean, the unrivalled pink; Modesto, Whilldin, Bonnaffon, Mrs. Childs and some of W. K. Harris' seedlings, the best being Florence Harris, a large, straw-colored yellow, of good form and a fine stiff stem. This latter Mr. Harris has grown for some years, but will not sell the stock as he can sell a house of this kind nicely at a fair price, but thinks if it was generally grown he would have trouble to meet the competition. Prices of chrysanthemums range according to quality from 50 cents to \$2.50 per dozen, those selling for from \$1 to \$2 per dozen being the most popular and quick selling kinds. Plants are moving with more life in the stores and the general prospects for business are much better.

The November meeting of the club was quite well attended. The feature of the evening was the paper on "Chrysanthemums, from the Commission Man's Standpoint," by S. S. Pennock. This was a very scholarly essay showing careful preparation and appears in another column in this paper. The chrysanthemum show being so near at hand, it was thought advisable to have a smoker to entertain any out of town members of the craft. This will be held on Wednesday evening, admission being by card only, to be had of any member of the

house committee, which, with John Westcott, as chairman, has entire charge of the affair.

There promises to be a very good show, from the way the entries are coming in. Secretary Rust is all smiles these days and says there will not be any spare room in the hall the day the exhibition opens. K.

Chicago.

DEMAND NOT YET STRONG SAVE FOR EXHIBITION BLOOMS.—CUTS SOMEWHAT REDUCED BY COOLER WEATHER.—BRISK BUSINESS ANTICIPATED.—PROSPECT FOR A SHORTAGE OF ROSES.—VARIOUS LOCAL NOTES OF INTEREST.

The one improvement in the cut flower market this week has arisen from the fact that the rose crop has shrunk very materially, although not enough to have any effect on prices. There are still roses of all grades for all orders, but as compared to a week ago the over-supply is nothing. The result of the unfavorable weather has been that qualities have deteriorated somewhat and it is not unlikely that the next few weeks will see a considerable shortage, as nearly everyone's houses are off crop. Carnations are still pursuing the even tenor of their way, with no great over-supply and a fair demand for stock of good quality. There are, however, too many chrysanthemums to be moved at what the growers consider satisfactory prices. The election and its attendant excitements have had effect upon demand, as has the stormy weather, and very good blooms have been selling at \$1.50 per dozen, stock which once brought \$2.50. Violets have not made any great commotion in the market this week, and miscellaneous items, such as lily of the valley, have been in about the right supply. There is a very general feeling that business will wake up next week and that it will be the real opening of the season. Every one seems to feel confident of good trade, in which event good stock should command fair prices.

The new red rose which captured the silver cup at the flower show is already favorably known by a great many local retailers, it having been on sale here for some time under the designation of "No. 19." Its name is Marquise Litta. Mr. E. G. Hill brought the variety from Europe and has divided the stock with Bassett & Washburn and the South Park Floral Company. All three growers have been sending in good flowers for several weeks past. The sort has an excellent color and the retailers say that it possesses remarkable keeping qualities.

E. G. Hill was unfortunate in that the train that brought his exhibition stock from Richmond was delayed two hours and a half by a wreck and his blooms arrived after the judging had commenced. Among other things which he sent up for exhibition were twenty-five very handsome blooms of Mrs. O. P. Bassett, twenty-five of Mrs. Robinson, twenty-five of G. W. Childs, and an entry in the class for the collection of not less than forty named varieties.

E. E. Pieser, of the Kennicott Bros. Co., has long maintained that Major Bonnaffon was the best commercial chrysanthemum, but he says that this is crowded hard, if not distanced, by the new claimant, Colonel Appleton, of which they have been receiving some very fine blooms of late. They have brought the top price.

Peter Reinberg is cutting a great many

blooms of Leopold Ine's red seedling carnation, of which he benched several thousand plants, and is satisfied that it is the most prolific bloomer to date. The variety has not yet been named, but the stock will very likely be offered next season.

W. W. Barnard & Co. report a very brisk fall season. Arnold Ringer has recently been in the greens district and reports that the crop is of excellent quality this season, but that picking began late and supplies may be cut off by severe weather.

The Lincoln Park conservatories will be lighted by electricity and open to the public evenings during the annual chrysanthemum show there. The plants are in fine condition and make a very attractive display.

James Jensen had an editorial in last Sunday's *Tribune* on "Parks and Boulevards and their Influence on the Life of the Community." Mr. Jensen is doing quite a little work this fall at Lake Geneva.

Wieter Bros. have 65,000 plants of American Beauty on their benches, and are congratulating themselves that they will have a good crop for Thanksgiving and a better one for Christmas.

C. M. Dickinson and W. E. Lynch are figuring that they will be able to handle more business this season than ever before in the history of the firm of E. H. Hunt.

T. J. Corbrey's health has improved so rapidly of late that he has decided to remain in Chicago and continue his business on West Madison street.

Poehlmann Brothers have been having Romans and Paper Whites for several days, and have a big lot of bulbous stock coming on.

E. C. Aming is figuring that it will take 3,000,000 ferns to supply his trade up to the time new ferns are to be had next year.

A. Dietsch & Co report the past season the busiest in their experience and say that they expect much building next year.

"Uncle John" was around as usual for the chrysanthemum show.

St. Louis.

THE ANNUAL BANQUET TO HORTICULTURISTS.—ORATORS FROM MANY POINTS TELL INTERESTING THINGS.—VARIOUS NOTES OF THE CRAFT.

The Shaw banquet to gardeners, florists and nurserymen was held on November 3 and 112 gentlemen were present. The table decorations were very good and were made by Wm. Schray & Sons. The speakers' table had three large pieces, one of pink roses in the center and two of white chrysanthemums at each end, and the entire table was trimmed with fern leaves and smilax, with a pink carnation at each plate. The small tables and the entire hall were also neatly decorated. The menu was of the very best, and after the dinner Prof. Trelease, who was the toastmaster for the evening, gave a short talk on why the dinner was given, and then introduced Patrick O'Mara, of New York. Mr. O'Mara spoke for a few moments about the S. A. F., and invited all present to attend the next meeting at Buffalo in 1901. Prof. Trelease next introduced Julius Burge, of St. Louis, as the "Man with a Home." Mr. Burge gave a talk on what the house and yard of a private citizen should look like. Jared G. Smith, of Washington, D. C., and formerly at the Missouri Botanical Garden, gave a very good explanation of why Mr. Shaw

made the garden what it is to-day. J. J. Beneke then spoke about the previous chrysanthemum shows and the coming one. Mr. Scott, of Buffalo, spoke at some length on the horticultural and floricultural departments of the Pan-American Exposition. Ex-governor Francis, Mr. Nelson and others also spoke.

The wholesale market has not been very good and the prices vary considerably. The market is somewhat glutted with white chrysanthemums and white carnations, but outside of that all others sell well. Some fine and select Major Bonnaffon and Robinson are seen and sell on sight. The retail trade is reported very slow down town, but out a ways all greenhouse stores report fairly good business.

Everything is running smoothly towards a good exhibition next week, and if the weather holds cool and remains bright I do not see why we should not have a big crowd with the admission lowered to 25 cents.

The Missouri Botanical Garden Improvement Club will hold its next meeting on Monday, November 12, and several interesting papers will be read.

The Englemann Botanical Club will hold its next meeting on Thursday, November 15, at the accustomed place.

M.

Toronto.

CANADIANS CELEBRATE THE RETURN OF SOLDIERS.—FLORISTS DECORATE.—MUCH EXPECTED OF A NEW CHRYSANTHEMUM.

Never before in the annals of the city has more enthusiasm been shown than was accorded the soldiers who have just returned from South Africa, and never have such quantities of hemlock and pine wreathing been utilized as were required on this occasion. The florists made a special hit by tying bows of patriotic ribbon on chrysanthemums, and hot cakes never sold as readily as these souvenirs. Great praise is due Park Commissioner Chambers for his ingenuity in arranging the decoration of the lawn of New City Hall, which was highly spoken of by everyone. Dunlop also caught the patriotic feeling by having in his window a large Union Jack made of cape flowers, a stack of rifles, drums and other accoutrements of war. For a background he used khaki and the display proved very effective. All the florists made some attempt at decorating, using many yellow chrysanthemums for khaki color.

The new chrysanthemum grown by Miller & Son looks fine and I was told by the head of the firm that the entire cut, some 4000, with the exception of what are to be used for show purposes, was sold to Timothy Eaton, after whom the flower is named. Great things are expected of this chrysanthemum and, as the originators are going to show it at New York, Philadelphia, Providence and other cities, we expect it to be a large factor in bringing Canadians more in touch with the florists of the United States. Word has come that the variety won the C. S. A. cup at Chicago November 9.

A week ago our show was looked on as a probable failure, but with the weather we are having, chrysanthemums are developing nicely and all prizes will be keenly contested for. The flowers do not look as large as in former years but the colors and foliage are splendid.

Society is now in its glory and good stock is not over-abundant, for the growers are saving their best blooms for the show.

H. G. D.

Detroit.

WARM AUTUMN HAS A VERY BAD EFFECT ON STOCK AND THE MARKET.—THE CLUB ENJOYS ENTERTAINMENT, REFRESHMENTS AND SMOKE.

The past few weeks have been a period of extreme dullness in the flower trade. The weather was extraordinary for the season, the days being invariably bright, with high temperature, which hastened the maturity of chrysanthemums and brought an immense crop of roses. The same conditions had the effect of a decided decrease in the ordinary demand expected at this season, for everywhere there could be seen flowers outside, which easily survived the very light frosts that have visited us. Funeral work was responsible for what little activity there was, but just at present it is getting colder and the beneficial effect upon trade is immediately felt.

The club meeting Wednesday evening was attended by almost every member, active and honorary, the occasion being a "smoker," and the second of the kind in the history of the club. It was an event that will be long remembered as most enjoyable and serving the purpose of a permanent value to the participants because of the friendship and good feeling it engenders and fosters. Before the hilarity of the evening commenced the regular order of the meeting was carried out, which included the reading of a paper on geraniums by Mr. Strittmater. The varied experience of the author enabled him to handle the subject in a masterly manner which greatly pleased and interested his many hearers. The entertainment committee had provided a long and varied programme, which included music, humorous speeches and recitations. Refreshments were served, and at midnight the party visited Breitmeyers' chrysanthemum show.

Capper, Fowler & Company is the firm name of the latest accession to the ranks of the retailers, at 319 Woodward avenue. Their good location and neatly arranged place indicate a successful future.

President Geo. A. Rackham took a late train for Chicago Wednesday evening to attend the chrysanthemum show in that city.

J. F. S.

Knoxville, Tenn.

SPLENDID SEEDLING CARNATIONS GROWN BY BAUM.—GOOD CHRYSANTHEMUMS—JOTTINGS OF OTHER GROWERS.—BUSINESS GOOD.

C. L. Baum's stock is looking well. Chrysanthemums are good and he has been cutting some very nice Robinson and Ivory. Most varieties are late this season, but his one house in chrysanthemums will give 4,000 fine blooms. Carnations are starting very nicely. He has two houses of them and one bench in another house. Mrs. G. M. Bradt is good and promises well. Late planted stock is much better than that which was planted early, as the weather in July and August was very hot and dry. Most growers will not plant next year until in October. Mr. Baum has a nice lot of seedlings in their first, second and third years. A red, now in its third year, a cross of Jubilee and Armazindy, is very prolific, more so than any red he has ever grown. The stem and bloom are identical with Armazindy except in color, which is a little lighter than Jubilee. It does not burst the calyx and stands heat and drought better than any other variety Mr. Baum has ever grown, which is very

essential in the south, as a great many varieties burn up here. The next best carnation for the field and also inside here is Armazindy. If it were only pure white it would be the ideal white for this locality. Mr. Baum also has a pink sport of Armazindy, now in its third year, which he will make his standard pink next season.

Charles W. Crouch has added a large rose house this summer, now having twenty-four houses. His stock is looking fine. There are seven houses in carnations. The other houses are in roses and miscellaneous plants.

Business has been very good considering the unusual warm weather we have been having. There was no frost until Sunday morning, November 4, where we almost always have killing frosts by October 10.

William Crouch has built a forcing house, 20x125, heated by hot water, and intends to use it for cucumbers and other vegetables. He has quite a large vegetable garden and a good trade. SOUTH.

Seattle, Wash.

TRADE GOOD IN THE PACIFIC NORTHWEST.—CHRYSANTHEMUMS AND CARNATIONS IN DEMAND.—WHOLESALE PRICES.—COL. APPLETON PRONOUNCED A WINNER.

Trade has been very good in this city during the past few weeks, there being a brisk demand for chrysanthemums and carnations. Malmo & Co. and the Woodland Park Floral Company both make a fine display of these blooms. The wholesale price for the best Ivory and Major Bonnaffon is 20 cents each for the first grade flowers, 15 cents for second and \$1 per dozen for ordinary stock. Carnations are worth, wholesale, Marquis, 4 cents; Crane, Flora Hill, Mrs. Bradt, Gen. Maceo, Genevieve Lord and America, 3 cents, and Wm. Scott, Cerise Queen and Lizzie McGowan, 2 cents.

The Washington Floral Co., whose business is principally wholesale, have undoubtedly the finest carnations and chrysanthemums seen in Seattle at this time of the year and they have a demand for more than they can supply. This firm commenced cutting chrysanthemums October 1, Midge being the variety, followed by Ivory ten days later, and for three weeks they had the market entirely to themselves, except for some stock shipped in from California, which cannot compare with their product.

The character of growth and the fine blooms of the new chrysanthemum, Col. D. Appleton, as seen here should denote this variety as a winner. Among carnations G. H. Crane is a great favorite and a good seller here. Marquis also is doing well and is liked better than Genevieve Lord; though the latter has made good growth, it seems inclined to be more "grassy" than Marquis. The Mrs. Thomas Lawson is doing well, producing flowers that are truly wonderful. In whites Flora Hill is the best of them all out here, with Glacier a good second.

OLYMPIA.

NEGAUNEE, MICH.—The Negaunee Nursery and Greenhouses, owned by the Iron Cliffs Co., are doing a very nice business.

LENOX, MASS.—The Lenox Horticultural Society had a very creditable chrysanthemum show on Saturday evening, November 3.

SKOWHEGAN, ME.—F. G. Danforth, of Norridgewock, will start a greenhouse business here. He will also start a mill for the manufacture of box lumber.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.
Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and Dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THIS ISSUE 68 PAGES WITH COVERS.

CONTENTS.

The exhibitions.....	469
—Chicago (illus.).....	469
—Andrew McAdams (portrait).....	473
—The judges of the Chicago exhibition (portraits).....	473
—Boston (illus.).....	473
—Toronto.....	474
—Hartford, Conn.....	475
House of specimen chrysanthemums (illus.).....	475
Chrysanthemum Louis Bohmer (illus.).....	475
Chrysanthemum Golden Trophy (illus.).....	475
The chrysanthemum, from a commission man's standpoint.....	475
Packing specimen blooms (illus.).....	477
Growing the Boston fern.....	477
One of Craig's Boston ferns (illus.).....	477
Practical chrysanthemum growing.....	477
With the growers—South Park Floral Co., New Castle, Ind. (illus.).....	479
Carnations.....	479
—Results of a peculiar season.....	479
—Treatment of carnation blooms.....	480
The yuccas (illus.).....	480
Seasonable work among plantmen.....	480
Notes on hardy vines.....	481
The Pan-American Exposition (illus.).....	482
New York.....	483
Boston.....	483
Philadelphia.....	484
Chicago.....	484
St. Louis.....	484
Toronto.....	485
Detroit.....	485
Knoxville, Tenn.....	485
Seattle, Wash.....	485
Temperature indicator.....	486
The devoted wife.....	486
New rose regist-red.....	486
Greenhouse building.....	486
American Rose Society.....	486
Chrysanthemum Society of America.....	486
The best roses.....	486
Cincinnati.....	487
Catalogues received.....	487
Meetings of florists' clubs.....	487
The seed trade.....	492
Washington.....	492
The nursery trade.....	491
Sioux City, Ia.....	491
Our pastimes.....	496
—At Flatbush.....	496
—At Utica.....	496
—At Chicago.....	496
—At West Hoboken.....	496
—Forcing pikanianines.....	496
New Haven, Conn.....	498
Newark, O.....	506
Nashville, Tenn.....	518
Des Moines, Ia.....	518

THE edition for 1900 of the American
Florist Company's trade directory is
nearly sold out and the work of re-
vision is in progress for the edition of 1901.
Notify the publishers of your business
changes.

The Devoted Wife.

The Devoted Wife—Oh, hurry, please.
This rubber plant tub has fallen on my
husband and I'm afraid he's smashed!

Chorus of rescuers as they grasp the
tub—Now, all together!

The Devoted Wife—Gently, please, gen-
tlemen. Don't lift it too suddenly. It's
got a new leaf just coming out.—*Phila-
delphia Telegraph.*

This is the fin de seicle special issue of
this journal.

We are indebted to C. C. Morse & Co.,
of Santa Clara, California, for copy of a
pamphlet containing some excellent "field
notes" on sweet peas.

If the Marquise Litta fulfils its prom-
ise as a forcing rose, it will be difficult to
disassociate it from the appellation, "No.
19," by which it was first known in this
country.

SUPERINTENDENT MOORE, of the Amer-
ican Window Glass Co., says that some
of the glass his house ships as "B" qual-
ity is being sold by the jobbers as "A,"
but that the consumer is rarely swindled.

In the new heading which appears
above our first page of reading matter
there is shown the conservatory of
Washington Park, Chicago, with beds
of cannas in separate colors planted in
front.

Temperature Indicator.

ED. AM. FLORIST.—With regard to the
inquiry of "S" as to the Wilder electric
temperature indicator I wish to say that
last winter I found the device most
accurate in ringing alarms.

Portland, Ore. F. SEYMOUR.

New Rose Registered.

The American Rose Society registers
the following for John Charlton & Sons,
Rochester, N. Y.:

Rose President McKinley, saved from
a promiscuous lot of seedlings, raised
from seed saved from a collection of H.
P. roses. It is a strong growing variety,
having large, attractive, fine foliage. It
makes strong shoots, which are quite
spiny, and is entirely hardy. Its color is
deep rose-pink and is quite persistent.

LEONARD BARRON, Sec'y.

Greenhouse Building.

Racine, Wis.—A. J. Fiddler, house
35x125.

Sheffield, O.—A. A. Padley, one house.
Sterling, Ill—Messrs. Grove, two 100-
foot mushroom houses.

Yarmouthville, Me.—Thomas Brown,
one house.

Skowhegan, Me.—F. G. Danforth,
range of houses.

Mattapoisett, Mass.—Rufus Hoxie, one
house.

Ocean Grove, N. J.—W. E. Strong, con-
servatory 20x70.

Westerly, R. I.—S. J. Reuter, grafting
house 18x150.

Beverly, Mass.—Morrison & O'Donnell,
forcing house.

Northboro, Mass.—E. S. Corey, forcing
house 160 feet long.

York, Me.—W. G. Moulton & Son, one
house.

Keene, N. H.—L. P. Butler & Co.,
house 21x100 and one 16x100.

Lynn, Mass—Smith & Dolansky, one
house.

Middletown, R. I.—R. J. Grinnell, one
house.

American Rose Society.

Secretary Barron has mailed Bulletin
No. 3 of the society, containing a pre-
liminary schedule of premiums for the
second annual exhibition to be held in
New York in March, 1901. As regards
regular classes the schedule remains much
as last year, but a number of innovations
are listed, including a gold medal to be
held one year by the grower making the
best display of cut blooms of varieties

introduced within four years. Note-
worthy additions are made to the
section for pot plants. In the special
classes many valuable trophies are
again offered, a number of them having
been up last year and not becoming per-
sonal property of the winner. A chal-
enge cup is offered for competition among
private gardeners, but the details are not
announced. There are altogether 256
classes. The scale of points to be
employed in judging this exhibition was
published on page 345 of our issue for
October 13.

Chrysanthemum Society of America.

Following are the reports of the com-
mittees judging seedlings and sports:

Chicago, October 27.—Nathan Smith &
Son, Adrian, Michigan, exhibited Omega,
a yellow, reflexed, Japanese variety,
which scored 87 points, commercial scale.

Philadelphia, November 3.—John Cook,
Baltimore, Md., exhibited a bluish white,
Japanese, reflexed variety, scoring 89
points, commercial scale; 87 points,
exhibition scale. Name will be furnished
next week.

Ernest Schreiber, gardener for Wm. L.
Elkins, Esq., Elkins, Pa., exhibited an
incurved, Japanese, pink variety, which
scored 79 points, commercial scale; 76
points exhibition scale.

Wm. Kleinheinz, gardener for P. A. B.
Widener, Esq., Ogontz, Pa., exhibited D.
Josephine, a bright yellow, incurved,
Japanese, scoring 89 points, commercial
scale; 88 points, exhibition scale.

New York, November 3—Wm. Klein-
heinz exhibited D. Josephine, which scored,
commercial scale, 83 points.

John N. May, Summit, N. J., exhibited
a terra cotta red variety, Japanese,
reflexed, scoring, commercial scale, 87
points. A very light pink Japanese
reflexed, by same exhibitor, scored, com-
mercial scale, 74 points. Names of these
varieties will be furnished next week.

EDWIN LONSDALE, Sec'y.

The Best Roses.

The records of the English exhibitions
during the past seven years, according to
the *Journal of Horticulture*, show that
the following are the best twenty-five
hybrid perpetual and hybrid tea roses, in
the order named: Mrs. John Laing,
Ulrich Brunner, Mrs. W. J. Grant (H. T.),
Mrs. R. G. Sharman-Crawford, Caroline
Testout (H. T.), A. K. Williams, Mar-
quise Litta, (H. T.), Her Majesty, Kais-
erin Augusta Victoria (H. T.), La France
(H. T.), Suzanne M. Rodocanachi, Cap-
tain Hayward, Gustave Piganeau, Marie
Baumann, Madame Gabriel Luizet,
Alfred Colomb, Horace Vernet, Marchion-
ess of Londonderry, Helen Keller, Earl of
Dufferin, Margaret Dickson, Francois
Michelon, Bessie Brown (H. T.), Charles
Lefebvre and Prince Arthur.

The best twenty-five teas and noisettes
in the order named are The Bride, Cath-
erine Mermet, Maman Cochet, Comtesse
de Nadaillac, Innocente Pirola, Souvenir
de S. A. Prince, Madame Cusin, Madame
Hoste, Souvenir d'un Ami, Bridesmaid,
Madame de Watteville, Souvenir d'Elise
Vardon, Marie Van Houtte, Medea,
Ernest Metz, Honorable Edith Gifford,
Marchal Niel (N.), Muriel Grahame,
Niphotes, Caroline Kuster (N.), Anna
Oliver, Ethel Brownlow, Mrs. Edward
Mawley, Princess of Wales and White
Maman Cochet. With regard to the
three latter varieties, it should be stated
that they occupy the same numerical
positions in the list.

Cincinnati.

STATE OF TRADE.—DEMAND SHOWS A CONSIDERABLE IMPROVEMENT.—WITH THE NEW CARNATIONS.—JONES MEETS A FALL.—NOTES.

Business Monday and Tuesday was very poor. Warm weather brought out an abundance of stock, a good deal of which found its way into the waste barrel. Wednesday, however, the Paxton-Price wedding used up considerable stock, and with the advent of cooler weather Thursday business braced up and by Saturday night stock was pretty well cleaned up in the commission houses. There seems to be a scarcity of small chrysanthemums, undoubtedly owing to the demand for All Saints' day. Good carnations are none too plentiful. In writing about carnations a few words about some of the most prominent of the season's introductions would not be amiss. Ethel Crocker and Genevieve Lord seem to be the most satisfactory, with Lawson next. Olympia plants are small but healthy. The Marquis flowers look as if they were going to sleep. This variety, however, is sending up some splendid shoots which will give us some good blooms later on. Growers at the flower market last Saturday exhibited chrysanthemums galore. Phil Popp's stand showed up the best, with well grown pot plants and fine blooms of yellow and white Robinson.

What might have proved a serious accident happened to Charles Jones, of the Walnut Hills Floral Bazaar, last Friday. He was filling a large stand with plants in his shed when the stand fell over, and in trying to get out of the way Charley slipped and fell down the steps leading to the boiler room, the stand falling on top of him. He received two bad cuts on the arm, which were sewed up.

The first of our monthly exhibitions for the season will take place at the Jabez Elliott Flower Market, up stairs in the club room, on Saturday, November 17. It will be a chrysanthemum show with roses and carnations as a side issue.

About the only event in society the past week was the Price-Paxton wedding last Thursday. Sunderbruch decorated the church with white chrysanthemums and palms, and the residence with pink roses and asparagus.

Frank Ball, of the Cincinnati Cut Flower Co., reports shipping trade as good since Wednesday.

Henry Wellman, who has been bothered with rheumatism, is able to be about again. D.

Catalogues and Cut Flower Price Lists Received.

Wilhelm Pfitzer, Stuttgart, Germany, seeds and bulbs; Pape & Bergmann, Quedlinburg, Germany, seeds; H. Cannell & Sons, Swanley, Kent, Eng., trees, shrubs, plants, etc.; J. C. Schmidt, Erfurt, Germany, seeds, etc.; Hawkey Nurseries, Stratford, Ia., seedlings and root grafts; J. D. Carmody, Evansville, Ind., heaters; Holton & Hunkel Co., Milwaukee, Wis., wholesale cut flowers; E. C. Amling, Chicago, Ill., wholesale cut flowers; E. H. Hunt, Chicago, Ill., wholesale cut flowers, seeds and florists' supplies.

LIBONIA, PA.—G. W. Park has thus far in 1900 filled 14,875 orders, requiring 150,000 plants.

YARMOUTHVILLE, ME.—Thomas Brown reports an increased business and is adding a new house to his facilities.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Mondays of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. First Tuesday in January, at 8 p. m. W. K. Wood, Sec'y, W. Newton, Mass.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Rauldolph street. First and third Friday of each month, at 8 p. m. C. W. McKellar, Sec'y, 45 Wabash avenue, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. S. Bartlett, Sec'y, 313 East Second street.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Mondays of each month, at 8 p. m. A. H. Graham, Sec'y, 2-49 Euclid avenue, Cleveland.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Horticultural rooms, State House, Indianapolis. First Tuesday of each month, at 8 p. m. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House. Thursday evenings, at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

NEW HAVEN, CONN., November 14-16.—Exhibition of New Haven County Horticultural Society. Robert Veitch, Jr., Sec'y.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-ninth street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg Cut Flower Co., 504 Liberty street. Second Tuesday of each month, at 8 p. m. T. P. Langhans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardener's Club of Rhode Island, 96 Westminster street, Providence. Second Thursday in each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 3 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 431 Spadina avenue.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge, Sec'y, 616 Washington street, Hoboken.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2320 South Park Ave. Chicago.

SITUATION WANTED—by a sober florist Good grower and designer. Best of recommendations. Address STANLEY, care American Florist.

SITUATION WANTED—By a practical florist, 15 years' experience in roses, carnations and general line of plants; good designer and decorator; capable of taking charge. Married, no children. Address GROWER Box 147, Lake Geneva, Wis.

SITUATION WANTED—As working foreman, good grower and propagator of roses and general florists' stock. English and American experience; married; first class references. Please state wages. Address SPADE, care American Florist.

SITUATION WANTED—As working foreman, first-class grower of cut flowers and general stock; very industrious and long years' experience in this country; married. Address FLORIST, care V. Waiters, 670 Thames St., Newport, R. I.

SITUATION WANTED—By German, single, 23 years' experience in this country and European growing roses, carnations, violets and general stock. Also good propagator and grafting roses, etc. Best of references. Address A. M., care Am Florist.

SITUATION WANTED—By a first-class florist competent of taking charge; 3 years' experience age 31. Roses, carnations or mums. Roses preferred. Reliable, temperate man; single. Only those offering permanent position need answer. Address RALPH RICHARDSON, 21 W. 34 St., Indianapolis Ind.

WANTED—Good, reliable, experienced grower of cut flowers. Address, with references, A. F. BARBE, Kansas City, Mo.

WANTED—Competent grower for 10,000 square ft. References required. Address WM. GERKE, 212 N. Todd Ave., Warren, O.

WANTED—Man for general greenhouse work. State age, experience, wages with board. HUNTSMAN & Co., 615 Race St., Cincinnati, O.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B, care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Boy to learn the greenhouse business, the growing of roses and carnations. In answering state age. Address JOHN L. WYLAND, De Haven Pa.

WANTED—If August Waldon formerly of Barton, N. J., will correspond with the undersigned will hear something to his advantage. Address GEO. REINBERG, 801 Balmoral Av., Chicago, Ill.

WANTED—Young man with some experience to work in greenhouse, roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address R, care American Florist.

WANTED—NIGHT FIREMAN on steam boilers. Must have experience and understand to keep right temperature in houses; no drinker wanted. Ad. FIREMAN, care Eastern Office Am. Florist, 67 Bromfield St., Boston, Mass.

FOR SALE.

Greenhouse plant of 6 house in Jersey City well stocked and in full operation. Address

JOHN MORRELL,
92 Danforth Ave., Jersey City, N. J.

FOR RENT.

A 40-acre Fruit and Vegetable Farm near this city. To a good, responsible party a long and desirable lease will be given.

For particulars, address

H. W. WILLIAMS,
603 Ravine Avenue, PEORIA, ILL.

FOR SALE.

Two second-hand tubular boilers, 60 H. P. each, complete with fronts and all fixtures. Inquire of FRAZER & JONES CO., Syracuse, N. Y.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,
233 Mercer St. NEW YORK.

A good adv. in a good paper will bring good returns.

Wholesale Store, Minneapolis, Minn.,
 Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.
 124 Sixth Street, N. **BRANT & NOE.**
 Minneapolis, Minn.

Carnation Blooms
 SHIPPED DIRECT FROM GREENHOUSE TO ALL POINTS.
Chicago Carnation Co., JOLIET, ILL.

Wholesale Flower Markets

CINCINNATI, Nov. 8.	
Roses, Beauty.....	10.00@25.00
" Bride.....	3.00@ 4.00
" Bridesmaid.....	3.00@ 4.00
" Meteor.....	3.00@ 4.00
" Perle.....	2.00@ 3.00
Carnations.....	1.00@ 1.50
Chrysanthemums.....	10.00@15.00
Cattleyas.....	50.00
Violets.....	.50@ .75
Lily of the valley.....	4.00
Smilax.....	10.00@12.50
Adiantum.....	1.00
Common ferns.....	.15
Asparagus.....	50.00
St. Louis, Nov. 8.	
Roses, Bride, Bridemaid.....	2.00@ 4.00
" Beauty, 12 to 20 inch stems.....	6.00@10.00
" " long.....	12.50@20.00
" Perle.....	2.00@ 4.00
" Meteor.....	2.00@ 5.00
" Kaiserin.....	2.00@ 5.00
Carnations, common.....	.75@ 1.00
" choice.....	1.50@ 2.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00
Tuberose.....	3.00@ 4.00
Galax.....	per 1000 1.00 .15
Chrysanthemums.....	6.00@20.00
Violets.....	.25@ .35
MILWAUKEE, Nov. 8.	
Roses, Beauty, long, per doz.....	2.00@ 3.00
" " med " ".....	1.00@ 1.50
" " short " ".....	.50@ .75
" Bride, Bridesmaid.....	2.00@ 5.00
" Meteor.....	2.00@ 5.00
" Golden Gate.....	4.00@ 6.00
" Perle.....	2.00@ 4.00
Carnations, ordinary.....	1.00@ 1.50
" fancy.....	2.00
Adiantum.....	.75@ 1.00
Common ferns.....	.25
Smilax.....	15.00
Asparagus.....	65.00
Galax leaves.....	.20
Mums, fancy, per doz.....	1.50@ 2.00
" ordinary.....	.50@ 1.00
Violets.....	.50@ .75
PITTSBURG, Nov. 8.	
Roses, Beauty, fancy.....	20.00@30.00
" " extra.....	12.00@15.00
" " No. 1.....	6.00@10.00
" " culls.....	3.00@ 5.00
" Bride, Bridesmaid.....	1.00@ 8.00
" Meteor.....	1.00@ 8.00
" Perle.....	2.00@ 4.00
" Cusin.....	2.00@ 4.00
" Liberty.....	2.00@ 4.00
Carnations, ordinary.....	.50@ .75
" fancy.....	1.25@ 2.00
Lily of the valley.....	2.00@ 4.00
Smilax.....	10.00@15.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
" Sprengerli.....	.25@ .35
Dagger ferns.....	per 1000, 2.00
Chrysanthemums, fancy.....	10.00@20.00
" ordinary.....	2.00@ 8.00
DENVER, Nov. 8.	
Roses, Beauty, select.....	12.50@25.00
" " ordinary.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 4.00
" Meteor.....	3.00@ 5.00
" Perle, Wootton.....	3.00@ 4.00
Carnations, ordinary.....	1.00@ 1.25
" fancy.....	2.00
Lily of the valley.....	4.00
Callas.....	12.50
Harrisii.....	12.50
Violets single.....	.75
" double.....	.50@ .75
Galax Leaves.....	.20
Asparagus.....	60.00
Smilax.....	45.00
Werns, per 1000.....	2.75
Chrysanthemums, long, per doz.....	1.75@2.50
" short.....	6.00@10.00

J. B. DEAMUD,
 51 WABASH AVE., CHICAGO.
 We are now receiving some very fine Roses and Carnations and shall be pleased to have your orders. Am. Beauties are first-class.

AM. BEAUTIES, ex. long.....	Per doz. \$3.00	VIOLETS, double.....	Per 100 \$1.00
" " 24-inch.....	2.50	" single.....	.75
" " 18 ".....	2.00	ADIANTUM.....	.50 to .75
" " 12 ".....	1.50	ASPARGUS.....	50.00
" short.....	.50 to 1.00	FANCY FERNS.....	\$1.50 per M. .20
BRIDES, MAIDS.....	Per 100 \$2.00 to \$4.00	IVY LEAVES.....	.50
METEORS, KAISERINS.....	3.00 to 5.00	CALDWELL'S	No. 1 contains 15 lbs. \$2.50
PERLES.....	2.00 to 3.00	" No. 2 " " 20 " 3.25	
CARNATIONS.....	1.00 to 1.50	" No. 3 " " 25 " 3.75	
CHRYSANTHEMUMS.....	10.00 to 25.00	" No. 4 " " 35 " 4.50	
VALLEY.....	4.00 to 5.00	" No. 5 " " 40 " 5.50	
SMILAX.....	12.50	" No. 6 " " 50 " 6.50	

Prices subject to change without notice.
 P. AND D. AT COST.

CATTELYAS, \$6.00 per dozen.

BENTHEY & CO.
 F. F. BENTHEY, Manager,
 Wholesale and Commission... **FLORISTS,**
 CONSIGNMENTS SOLICITED. 41 Randolph St., CHICAGO.

Am. Beauties, long.....	per doz. \$2.00 to \$3.00	CARNATIONS, fancy.....	per 100, \$1.50 to \$2.00
" " medium.....	1.00 to 1.50	" " good quality.....	" 1.00
" " short.....	.75 to 1.00	VIOLETS, good single.....	1.00
Brides and Maids.....	per 100, 3.00 to 4.00	ORCHIDS, Cattleyas.....	per doz. 6.00
Perles.....	" 3.00 to 4.00	VALLEY.....	per 100, 4.00 to 5.00
Kaiserin.....	" 4.00 to 6.00	SMILAX.....	" 12.00 to 15.00
Meteors.....	" 3.00 to 5.00	ASPARGUS.....	per string, .50 to .75
MUMS, select.....	\$15 to \$20 per 100	ADIANTUM.....	per 100, .75 to 1.00
" " good stock.....	5 to 10 per 100	WOOD FERNS.....	per 1000, 1.50

HOLTON & HUNKEL CO.,
 -- Wholesale Cut Flowers --
 457 Milwaukee Street. MILWAUKEE, WIS.

CUT FLOWERS.
 Shipping orders receive prompt and careful attention.
C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.
 504 ALL FLOWERS PITTSBURG, PA.
 Liberty Street, IN SEASON.

HOLLY. G. E. BROWN, Bridgeville, Del.
 PACKER AND DEALER.
 Orders now booked for dark green, well-berried Holly. Holly Wreaths and Laurel in small and car lots.
CHOICE GREEN AND BRONZE GALAX,
 New Crop. Price 60c per 1000. Postage Prepaid. Small Orders a Specialty. Address
H. H. HILL, VICTORIA, Macon Co., N. C.

Stop Walking the Floor. You won't be disappointed if you place your orders for
SOUTHERN WILD SMILAX
 With CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace."
 N. B. We also sell some Holly.
FIRST QUALITY LEUCOTHOE SPRAYS,
 delivered by express for \$3.00 per thousand.
 CASH WITH ORDER.
R. A. LEE, EVERGREEN, ALA.

WEILAND - AND - RISCH

GROWERS and SHIPPERS,

59 WABASH AVE. CHICAGO.

<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">American Beauty, Per dozen.</td> <td style="width: 50%; text-align: right;">ROSES. Per 100</td> </tr> <tr> <td>36-in. stems.....\$3.00</td> <td>Liberty.....\$3.00 to \$5.00</td> </tr> <tr> <td>30 " ".....2.50</td> <td>Golden Gate.....4.00 to 6.00</td> </tr> <tr> <td>24 " ".....2.00</td> <td>Brides, Maids.....3.00 to 5.00</td> </tr> <tr> <td>20 " ".....1.50</td> <td>Meteors.....3.00 to 5.00</td> </tr> <tr> <td>15 " ".....1.25</td> <td>Kaiserin.....4.00 to 6.00</td> </tr> <tr> <td>12 " ".....1.00</td> <td>Perles.....3.00 to 4.00</td> </tr> <tr> <td>short stems......75</td> <td>Seconds.....2.00</td> </tr> </table>	American Beauty, Per dozen.	ROSES. Per 100	36-in. stems.....\$3.00	Liberty.....\$3.00 to \$5.00	30 " ".....2.50	Golden Gate.....4.00 to 6.00	24 " ".....2.00	Brides, Maids.....3.00 to 5.00	20 " ".....1.50	Meteors.....3.00 to 5.00	15 " ".....1.25	Kaiserin.....4.00 to 6.00	12 " ".....1.00	Perles.....3.00 to 4.00	short stems......75	Seconds.....2.00	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Carnations.....per 100, \$1 to 1.50</td> <td style="width: 50%;">Ferus, per 1000, \$1.50......20</td> </tr> <tr> <td> Fancy.....\$2.00 to 2.50</td> <td>Asparagus.....per string, .50</td> </tr> <tr> <td>Violets.....per 100, 75c to 1.00</td> <td>Smilax.....per doz., \$1.25 to 1.50</td> </tr> <tr> <td>Valley.....per 100, 4.00</td> <td>Chrysanthemums.....1.50 to 3.00</td> </tr> <tr> <td>Cattleyas.....per doz., 6.00</td> <td>Adiantum.....per 100, .75</td> </tr> <tr> <td>Wild Smilax, Parlor brand, per case,</td> <td>\$3.25; medium, \$4.25; large, \$5.50</td> </tr> </table>	Carnations.....per 100, \$1 to 1.50	Ferus, per 1000, \$1.50......20	Fancy.....\$2.00 to 2.50	Asparagus.....per string, .50	Violets.....per 100, 75c to 1.00	Smilax.....per doz., \$1.25 to 1.50	Valley.....per 100, 4.00	Chrysanthemums.....1.50 to 3.00	Cattleyas.....per doz., 6.00	Adiantum.....per 100, .75	Wild Smilax, Parlor brand, per case,	\$3.25; medium, \$4.25; large, \$5.50
American Beauty, Per dozen.	ROSES. Per 100																												
36-in. stems.....\$3.00	Liberty.....\$3.00 to \$5.00																												
30 " ".....2.50	Golden Gate.....4.00 to 6.00																												
24 " ".....2.00	Brides, Maids.....3.00 to 5.00																												
20 " ".....1.50	Meteors.....3.00 to 5.00																												
15 " ".....1.25	Kaiserin.....4.00 to 6.00																												
12 " ".....1.00	Perles.....3.00 to 4.00																												
short stems......75	Seconds.....2.00																												
Carnations.....per 100, \$1 to 1.50	Ferus, per 1000, \$1.50......20																												
Fancy.....\$2.00 to 2.50	Asparagus.....per string, .50																												
Violets.....per 100, 75c to 1.00	Smilax.....per doz., \$1.25 to 1.50																												
Valley.....per 100, 4.00	Chrysanthemums.....1.50 to 3.00																												
Cattleyas.....per doz., 6.00	Adiantum.....per 100, .75																												
Wild Smilax, Parlor brand, per case,	\$3.25; medium, \$4.25; large, \$5.50																												

CONSIGNMENTS OF VIOLETS WANTED.

WE SOLICIT A TRIAL ORDER...
ALL TELEGRAPH ORDERS GIVEN CAREFUL & IMMEDIATE ATTENTION

WHOLESALE FLORISTS

J. A. BUDLONG,

WHOLESALE GROWER OF

Cut Flowers

ROSES AND CARNATIONS
A SPECIALTY.

37-39 Randolph St., CHICAGO, ILL.

WIETOR BROS.

Wholesale Growers of

Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 and 78 Wabash Avenue,
CHICAGO. Telephone Main 3208.

Wholesale Flower Markets

CHICAGO, Nov. 9.

Roses, Beauty, extra long stems	3.00@4.00
" " 30 inch	2.50
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.25
" " 12 " "	1.00
" " 8 " "	.75
" Bride, Bridesmaid.....	3.00@ 5.00
" Perle.....	2.00@ 4.00
" Meteor.....	3.00@ 5.00
" La France.....	2.00@ 4.00
" Golden Gate.....	4.00@ 6.00
" Liberty.....	4.00@ 6.00
" Kaiserin.....	4.00@ 6.00
Carnations.....	1.00@ 1.25
fancy.....	1.50@ 2.00
Chrysanthemums, per doz.	1.0@ 2.50
Lily of the valley.....	3.00@ 4.00
Adiantum.....	.75
Common feras.....per 1,000	1.50
Smilax.....per dozen	1.25@ 1.50
Asparagus...per dozen	5.00@ 6.00

A. H. POEHLMANN,

Wholesale Grower of

Cut Flowers

All telegraph and telephone orders given prompt attention.

55 Wabash Avenue, CHICAGO.

Do not hide your light under a bushel.
Tell the people what you have for sale.

E. H. Hunt

THE "OLD RELIABLE" FOR
WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

Millington, Mass., Nov. 5 1900



CROWN FERN CO.

Telegraph Office,
New Salem, Mass.

FANCY or Dagger Ferns, 75c per 1000.
Best of **LAUREL**, fresh made, from 4c to 6c per yard.

BOUQUET GREEN, by the lb., or made in wreaths or roping.

Our Laurel Wreaths and Festooning are the best made.....

Please mention the American Florist when writing.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.
Headquarters for American Beauty.

51 Wabash Av., - CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of

Cut Flowers

Choice American Beauties.
We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of

Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders

ONE DOLLAR FIFTY PER 1000 FOR

BRONZE GALAX LEAVES

Delivered NOW FREE, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for Ten Cents.

AMERICAN ROSE CO., Washington, D. C.

HOLLY

Bright green, well-ber-
ried, any quantity; write
for SPECIAL prices.

R. A. LEE, Evergreen, Ala.

....AN....

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of \$2.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO, ILL.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2 per 100. Script Letters, \$4 per 100. Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES. Acknowledged by all florists the best in use. Special prices for doz. lots.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

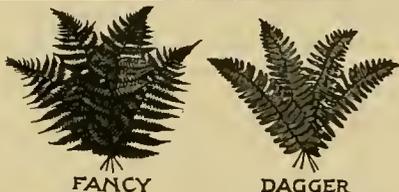
We Supply the New England Trade With Highest Grade

ROSES, GARNATIONS, CHRYSANTHEMUMS, VIOLETS and all flowers the Boston market affords.

PRICES RIGHT AND PACKING PROPERLY DONE.

N. F. MCCARTHY & CO.,

Tel 73 and 64. 84 Hawley St., BOSTON. Please mention the American Florist when writing.



FANCY

DAGGER

HARDY CUT FERNS

In 1000 lots, 75c per M. Discount on larger orders.

Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc., etc.

L. B. BRAGUE, Hinsdale, Mass. Please mention the American Florist when writing.

JNO. H. DUNLOP, CHOICE Cut Flowers

All orders receive most careful attention.

TORONTO, ONT., CANADA.

Six prizes American Rose Society, New York City.

Circulation

which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Wholesale Flower Markets

PHILADELPHIA, Nov. 7.

Roses, Tea.....	2.00@ 3.00
" " extra.....	4.00@ 6.00
" Beauty, extra.....	20.00@25.00
" " firsts.....	8.00@15.00
Carnations.....	.75@ 1.50
" " fancy.....	2.00
Lily of the valley.....	3.00@ 4.00
Chrysanthemums.....	7.50@20.00
Violets, single.....	.25@ .50
" " double.....	.50@ .75
Asparagus.....	25.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00
Callas.....	10.00@12.50

BOSTON, Nov. 7.

Roses, Beauty, extra.....	15.00@25.00
" " medium.....	6.00@12.00
" " culls.....	2.00@ 5.00
" " Bride, Bridesmaid, Meteor.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" " Kaiserin, Carnot.....	4.00@ 8.00
Carnations.....	.50@ 2.00
Lily of the valley.....	2.00@ 4.00
Chrysanthemums.....	4.00@20.00
Violets.....	.35@ .50
Cattleyas.....	20.00@30.00
Adiantum.....	.50@ 1.00
Smilax.....	8.00@12.00
Asparagus.....	50.00
" " Sprengerii, .20@ .25 per bunch	

BUFFALO, Nov. 8.

Roses, Beauty.....	10.00@25.00
" " Bride, Bridesmaid, Meteor.....	3.00@ 7.00
" " Kaiserin.....	6.00@ 7.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Hardy feros, Galax leaves.....	.20@ .25
Asparagus.....	50.00@75.00
Chrysanthemums.....	10.00@20.00
Violets.....	.40@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y. Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist, 1122 PINE STREET, ST. LOUIS, MO.

A complete line of Wire Designs.

H. G. BERNING, Wholesale Florist,

SUCCESSOR TO ST. LOUIS CUT FLOWER CO.... 1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,

PHILADELPHIA

Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

PHILADELPHIA, PA.

LONG DISTANCE PHONE 3-45-94 D. Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA. Long Distance Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL, Wholesale Florist,

17 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG... Largest Grower of... Cut Flowers in the West.

Give us an order and we will please you. Our Greenhouses at PLEASANT HILL, MO Our Store, 906 Grand Ave., KANSAS CITY, MO LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,

NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

The Cincinnati Cut Flower Co., WHOLESALE FLORISTS.

416 Walnut St., CINCINNATI, O.

Consignments Solicited. Special Attention Given to Snipping Orders

Geo. A. Sutherland, Boston Flowers. WHOLESALE DEPOT FOR

All Florists' Supplies, 67 BROMFIELD ST., BOSTON, MASS. Price lists mailed.

I Have Room for a Few More Regular Consignors of Good Roses. ❀ ❀

A. H. LANGJAHR, 19 Boerum Place, BROOKLYN, N. Y.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS

Walter F. Sheridan,
Wholesale Florist,

Telephones 902 Madison Square.

39 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Telephone 2200
Madison Square.

57 W. 28th. St., NEW YORK CITY.

....LIBERTY, BEAUTY AND OTHER CHOICE STOCK....

BEST IN THE COUNTRY.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets Carnations.
GROWERS and BUYERS make a note of this. It
will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.
ew Telephone No. 551 Madison Square.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cut Flower Exchanges,
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....
DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.
Choice Stock Shipped on a Commission.

Rose, Violet and Carnation Growers,
Consign to

M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Nov 7.

Roses, Beauty, select.....	12.00@20.00
" " medium.....	5.00@10.00
" " culls.....	2.00@ 3.00
" Bridesmaid, Bride, Meteor	.50@ 2.00
" select.....	3.00@ 5.00
Carnations.....	.50@ 1.50
Lily of the valley.....	1.00@ 4.00
Cattleyas.....	25.00@30.00
Dendrobium formosum.....	10.00@20.00
Chrysanthemums.....	2.00@ 6.00
" fancy blooms.....	12.00@30.00
Smilax.....	6.00@12.00
Asparagus.....	25.00
" Sprengeri, per doz. bun.	.75@1.00
Adiantum.....	.50@ .75
Violets.....	.35@ .75
" special.....	1.25@ 1.50
Gardenias.....	10.00@12.00

HEADQUARTERS OF THE HUSTLER...
CHAS. MILLANG,
WHOLESALE

Commission Florist,
48 West 29th St., NEW YORK.
Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.
GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.

ALEX. J. GUTTMAN,
Wholesale Commission Florist,
52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th.

NEW YORK.

CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFOED,
....Wholesale....
Commission Dealer in **Violets**

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.
....Wholesale Florists
111 West 30th Street, NEW YORK.
READY FOR VIOLETS. 'Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.
119 West 30th Street, NEW YORK.
Telephone 1438 Madison Square.
Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates.

M. A. HART,
44 W. 29th St., NEW YORK CITY.

You Can Make Money
By Dealing With

J. K. ALLEN,

The Busiest Wholesaler
in New York.

Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq.

106 West 28th Street.

Season Open

EDW. C. HORAN,

Special in
Roses:

47 WEST 28TH ST..

Tel. 421
Madison Square,NEW YORK.

CUT FLOWERS AT WHOLESALE.

Violets
'Mums
Gardenias

Liberty, Pres. Carnot,
Kaiserin, Meteor,
Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLOIANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

JOHN T. BUCKBEE, they say, has gone to Hawaii for an indefinite period.

CHARLES MAY SEARS, senior member of the firm of Sears & Nichols, Chillicothe, Ohio, packers of vegetables, died October 22.

LESTER C. MORSE, of the C. C. Morse Co., Santa Clara, California, is making his eastern trip and will be in Chicago November 10.

QUEDLINBURG, Germany, October 25.—The crop of flower seeds in general has turned out pretty fair, exceptions being such perennials as bellis, campanula, polyanthus and a few others. In vegetable seeds many kinds are short, especially peas, beans, celery, mangel and carrots.

GEORGE URQUHART, late vice-president of the Plant Seed Co., St. Louis, and still a stockholder, has retired from active duties in that concern. Mr. Urquhart has been connected with the seed business for the past fifty-three years and although a veteran in the ranks says he is enjoying good health and is as active as ever. He is making his headquarters at present with the Schisler-Corneli Seed Co., which has just moved into a new store at the old stand, the former store having been totally destroyed by fire last February.

Washington, D. C.

Trade is improving a little and some of the prominent florists have a decoration for a wedding or a small reception now and then. Roses are very plentiful. Most of the store windows are tastefully decorated. Many are using autumn foliage to good effect.

J. H. Small & Sons and J. R. Freeman have been cutting quite a number of fine chrysanthemums.

George A. Leissler's carnations, violets and roses are making a fine showing, as are his Boston and other ferns. P. G.

HUDSON, MASS.—Kennedy Bros., of Stow, have bought the large hothouse built by C. B. Brigham last winter and will remove it to Stow.

PARIS, KY.—The blue grass establishment of R. B. Hutchcraft, including 20,000 bushels of grass seed, was destroyed by fire November 2.

WESTERLY, R. I.—S. J. Reuter has 600 plants of Mrs. Lawson carnation which he is growing for propagating purposes. They are showing splendid health.

DIXON, ILL.—O. L. Baird has a range of five houses, well stocked, and everything in first-class condition. He is growing many more violets than heretofore.

FORT DODGE, IA.—H. E. Mitting, formerly a stockholder in the Morris Floral Co., Morris, Ill., has bought an interest in the Fort Dodge Greenhouse and Nursery Company, of John U. Kellenberger, and will henceforth be the business manager of the concern.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY

LILIAM LONGIFLORUM Japan, 100	1000
5 to 7-inches.....	\$2.00 \$18 00
6 to 8 ".....	3.00 27.00
7 to 9 ".....	4.50 40.00
9 to 10 ".....	90.00
LILIAM HARRISII, 7 to 9-inch...	8.00 75.00
Dutch Hyacinths, Narcissus, Tulips, &c.	

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

JAPAN LILIAM LONGIFLORUM

200 cases 7 to 9 \$30.00 per 1000 bulbs.

WINDSOR FLOWER SEED CO., 2 Milwaukee, Ave., DETROIT, MICH.

MAPLESHADE GLADIOLI.

SEND FOR CIRCULAR.

WILBUR A. CHRISTY, Kinsman, O.

GLADIOLI MAY The best light for Florists' use or forcing. Extra large well ripened bulbs 2 inches or more \$1.00 per 100; \$8.00 per 1000 by express.

P. O. COBLENTZ, New Madison, Ohio.

CHRYSANTHEMUM.

COL. D. APPLETON.

This variety, which we introduced last spring, has proved to be a prize-winner in every respect, and is undoubtedly the finest yellow chrysanthemum grown to-day, either for commercial purposes or for exhibition. If you failed to secure a stock of it last spring, let us book your order at once, while you think of it, for a stock of this for next year. This is not a variety that can only be grown by experts, but it is one of the healthiest growers and the most easily grown of all the varieties. It is a wonderfully healthy grower, with the most perfect foliage, and can be grown to perfection under ordinary culture; it is as easily grown as any variety that we know of. It has a magnificent flower of large size, and meets all the requirements of a commercial and exhibition sort. Let us book your order at once for spring delivery. We can furnish fine plants of the true stock. Plants ready February 1, 1901. Price, \$8.00 per 100.

LILY OF THE VALLEY

has now arrived, and we have filled all orders in hand, and have a small surplus. Advices from Europe are to the effect that the crop runs very much shorter than expected, and that prices have advanced, and it is doubtful if all orders will be filled in full. If you have not already secured your supplies, we would advise you to place your order without delay.

We offer extra quality three-year old German pips, first-class quality—\$22.50 per case 2,500 pips; in smaller quantities, \$10.00 per thousand. Our Pierson's Premier is a fine selected Valley for those who want a superior article at a moderate price. This is a grade that we sell largely. \$27.50 per case 2,500 pips; in smaller quantities, \$12.50 per thousand. Pierson's Perfection, an extra selected grade for those who desire the very finest Valley obtainable, and a grade that should be used for very early forcing. No better Valley can be supplied than this grade. It will produce the largest spikes, with the greatest number of bells, and will give the very largest percentage of first-class flowers; can be forced earlier than any other quality. \$32.50 per case 2,500 pips; in smaller quantities, \$15.00 per thousand. We are also in receipt of our importations of

SPIRÆA.

Stock is in fine shape. We have a small surplus, and offer it as long as unsold at the following prices:

Extra fine, strong clumps especially grown for forcing,

JAPONICA.....	\$8.00 per case 250 clumps; less quantities, \$4.00 per 100.
COMPACTA MULTIFLORA.....	9.00 per case 250 clumps; less quantities, 4.50 per 100.
ASTILBOIDES FLORIBUNDA.....	9.00 per case 250 clumps; less quantities, 4.50 per 100.

F. R. PIERSON CO., : Tarrytown-on-Hudson, N. Y.

VIOLETS, 60c to \$1.00. CARNATIONS, \$1 to \$2.50. VALLEY, \$4.

...At The...

Chrysanthemum Show

KENNICOTT BROS. CO.

Sells Them All,

Therefore Our Stock Must be the Best.

Headquarters for Everything that is *AI* in the
Cut Flower Trade.

42 and 44 Randolph Street,

 **Chicago.**

WIRE WORK!

Send in your copy. We guarantee the quality and price lower than
any other first-class house.

.....PRICE LIST.....

BRIDE.....	\$2.00 to \$4.00	ASPARAGUS.....	\$40.00 to \$60.00
MAID	2.00 to 4 00	SMILAX	12.00 to 15.00
METEOR	3.00 to 5.00	ADIANTUM .....	.75 to 1 00
PERLE	2.00 to 4.00	LEUCOTHOE SPRAYS.....	1.00
ROSES, Our Selection.....	2.00	COMMON FERNS .....	.25 per 100
CARNATIONS, good.....	1.25 to 1.5 ⁰	“ “	2.00 per 1000
“ fancy	2.00 to 2.50	GALAX, Green.....	.15 per 100
CARNATIONS, Our Selection.....	1.00	MAHONIA LEAVES	1.00 per 100

8c to 25c. AM. BEAUTY, SAME AS 'MUMS, AS YOU WISH. 8c to 25c.

'MUMS ANY PRICE YOU WANT, NAME IT, 4c to 30c; WE DO THE REST.

WE REPRESENT MORE GLASS THAN ANY OTHER FIRM IN CHICAGO.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN. THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

CONDIS M. PARKS has sold his nursery at Bourbon, Ind., to J. E. McCoy.

E. H. RIEHL will start a nursery at Alton, Ill., having purchased the farm known as the John Howard place.

IN spite of the large crop apple growers are securing excellent prices where they are careful to pack only prime fruit.

IT is the consensus of opinion that this season has seen larger plantings than heretofore of decorative nursery stock.

P. S. PETERSON & SON have just planted an arboretum about the High School building at La Grange, Ill. They made use of 166 varieties of trees and shrubs and also thirty-five species of herbaceous plants.

THE American white elm possesses a character peculiarly typical of New England, but it thrives over an extended area and there is nothing better for avenue planting. It is not the tree of the day, but of the century.

NURSERYMEN of the States are taking full advantage of the opportunity to send stock into Canada. The only ports of entry are St. John, Windsor, Niagara Falls, Winnipeg and Vancouver and the traffic must cease December 15.

By a recent purchase Thomas Meehan & Sons, of Germantown, Philadelphia, acquired two extensive properties adjoining their Dreshertown nurseries. These will be added to the already large acreage and planted immediately with the better class of hardy ornamentals.

Sioux City, Ia.

Business is very satisfactory, considering the unusual weather conditions, and roses and carnations are in good demand. J. R. Elder has some splendid violets which are selling rapidly and his chrysanthemums promise well. He will have Golden Wedding "as big as a hornet's nest."

The weather has been remarkably fine all season and at the end of October there had been no time to injure outdoor stock. But everyone is ready for winter and expects a prosperous season.

J. C. Rennison added one large house to his establishment during the past summer and J. R. Elder also added one for carnations.

SPRINGFIELD, MASS.—The Springfield Botanical Society, on October 26 and 27, gave an exhibition of mushrooms, about which there is at present great interest here. The society endeavored to instruct the visitors as much in the dangers lurking in the mushroom as in its many merits as an article of food.

Galax Leaves at Wholesale

ORDERS FILLED PROMPTLY. CORRESPONDENCE SOLICITED.

...J. G. LOVEN...

Montezuma, N. C.

WHERE are you going to ? Our stock is buy your Holly ready for shipment. Sample 10 pound box, \$1. Send for it. It's strictly fine. Caldwell The Woodsman Co., Evergreen, Ala. P. S. We also sell some Wild Smilax

McCARTHY'S AUCTIONS. Owing to delayed steamer, the big sale of Boskoop Evergreens is postponed until Tuesday, Nov. 20. FULL CATALOGUE IN NEXT ISSUE OF THIS PAPER.

On Friday, Nov. 16th, Palms, Ferns and Deciduous Shrubs.....

N. F. McCARTHY & CO., 84 Hawley St., Boston, Mass.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches; Otaksa, Red Branched, Thos. Hogg, PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Letters to our representative, MR. J. AUSTIN SHAW, may be sent until further notice, to 271 Broadway, New York City.

Jackson & Perkins Co., Newark, New York

40,000 American Filbert (Corylus Americana.)

Hazelnut, nice collected plants, 3 to 5 feet, \$1.00 per 100; \$6.00 per 1000; 4 to 7 feet, \$1.25 per 100; \$8.00 per 1000.

White Flowering Dogwood, Red Ozier Dogwood, Tulip Poplar, Sweet Gum, Redbud, Common Elder.

All nice collected stuff, same sizes and prices for immediate orders. Well packed, boxed, f. o. b. at above prices.

Send for my trade list of Tree and Shrub Seeds.

J. H. H. BOYD, Gage, Sequatchie Co., Tenn.

Hedge Plants

Evergreen { HEMLOCK SPRUCE NORWAY SPRUCE AMERICAN ARBORVITAE

Deciduous { CALIFORNIA PRIVET OSAGE ORANGE BERBERIS THUNBERGII ALTHEAS, Etc.

Various Sizes at Popular Prices.

THE WM. H. MOON CO., Morrisville, Pa....

NURSERIES { 30 miles from Philadelphia, 60 miles from New York. PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Sahling, Alfalfa, Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

Please mention the American Florist when writing.

Grape Vines

Descriptive and Price List free. Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true. T. S. HUBBARD CO., FREDONIA, N. Y.

Field-Grown Roses, \$1 per doz.; \$8 per 100; 50 varieties, 1 1/2 to 3 ft. CRIMSON RAMBLER, 2 feet, \$7.00 per 100.

Address WM. K. NELSON, Augusta, Ga.

FERNS

Adiantum Cuneatum, 2 1/2-inch pots, \$3.50 per 100.

Nephrolepis Cordata Nana Comp, 3-inch pots, \$8.00 per 100. 4-inch pots, 12.00 per 100.

Pteris Serrulata Gigantea, 4-inch pots, \$12.00 per 100.

These plants are A 1 and cheap.

Walker & McLean, Successors to The E. Hippard Co., Youngstown, Ohio.

Bulbs SPECIAL OFFER.

Double Hyacinths, in colors... \$4.50 Single Named Hyacinths... 5.50 Single Hyacinths, named colors... 4.25 Romans, white, 12 to 13 cent... 1.75 Tulips, single, early and late, double early and late... .75 Tulips, named, La Rene, Belle Alliance, Rose Grisee ne... .90 Tulips, Yellow Prince, Kaiser Kroon... 1.00 " Parrots... .80 Crocus, named colors... .30 Narcissus Von Sion, very choice... 1.35 " " double nose... 1.85 " Paper White Grandiflora... 1.00 Also a full line of other Bulbs. Prices on application. Order at once. Terms cash.

HARRY L. HOLMES, Seedsman, Harrisburg, Pa.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

NORTHERN GROWN... Apple Seedlings

All grades in any quantity.

ROOT GRAFTS put up to grow in any style desired. Send for price list.

W. H. KAUFFMAN, Hawkeye Nurseries. STRATFORD, IOWA.

CALIFORNIA PRIVET Per 100 Per 1000 2 to 2 1/2 feet... \$2.50 \$20.00 18 to 24 inches... 2.00 17.50 12 to 18 inches... 1.50 13.00

Cash with order: 5 percent off for 10 days. Contracts made for Privet cuttings. Trees, shrubs, plants and vines.

ATLANTIC COAST NURSERIES, JAMES H. CORNELL, Office, 606 4th Ave., Proprietor. ASBURY PARK, N. J.

5000 VINCA MAJOR VARIEGATA

Field-grown, long tops, \$6.00 per 100; \$50 for \$25.00. Extra fine California Violets, clumps, \$3.00 per 100; L. H. Campbell, \$5.00 per 100; Blue and Crimson Spiraea, field stock, \$6.00 per 100; 2 1/2-in., \$3.00 per 100. Hydrangea Grandiflora and other Shrubs and Vines, also 50,000 CANNAS. What do you want. CASH PLEASE.

BENJ. CONNELL, Florist, West Grove, Pa.

PANSIES

Only 50,000 nice plants now on hand. These are grown from the best seed in the world, and sure to please you. 50c per 100; \$3 per 1000.

S. T. DANLEY, Macomb, Ill.

We Offer Premium Stock

Our Growers Know Their Business

THEY ENABLE US TO SUPPLY THE BEST CUT FLOWERS IN AMERICA

PRICE LIST

BEAUTIES		Per Doz.
Extra long stem.....		\$3.00
Stems 30 inches.....		2.50
“ 24 “.....		2.00
“ 20 “.....		1.50
“ 15 “.....		1.25
“ 12 “.....		1.00
“ 8 “.....		.75
ROSES		Per 100
Brides and Maids.....	\$3.00—\$5.00	
Meteors and Kaiserin.....	3.00— 5.00	
Perles.....	3.00— 4.00	
Roses, good seconds.....	2.00	
CARNATIONS		Per 100
Standard sorts.....	1.00—\$1.50	
Fancy sorts.....	2.00— 3.00	
MISCELLANEOUS		
Alyssum.....per 100,		.25
Valley..... “		4.00
Violets..... “	\$.50— 1.00	
Mums, select.....per doz.,	2.00— 3.00	
“ medium..... “	1.00— 1.50	
DECORATIVE		
Asparagus.....per string, \$	.35—	.50
Galax, green, per 1000, \$1; per 100,		.15
Ferns.....per 1000, \$1.50; “		.20
Leucothoe sprays..... “		.75
Ivy Leaves..... “		.50
Adiantum..... “		.75
Smilax.....per dozen, \$1.25—	1.50	
Wild Smilax, parlor brand, per case,	3.25	
“ “ medium..... “	4.25	
“ “ large..... “	5.50	

WE ARE PROUD of the high grade of the Stock we handle; our Cut Flowers are not excelled in any house; there are none better in the country. We are equipped with large supplies of American Beauty of the best quality, strong, clean stems, well clothed with foliage, and good buds in whatever length desired. Our Brides and Bridesmaids absolutely out-class everything in the market. We have led on Chrysanthemums since the beginning of the season; we shall keep it up. Our Carnation growers are producing blooms of exhibition grade and we can supply such fancy sorts as Dorothy, Ethel Crocker, G. H. Crane, The Marquis, Mrs. Lawson, Genevieve Lord, Mrs. Bradt, White Cloud, Jubilee, Triumph, America and Mary Wood.

We are making every effort to take care of the buyers who want regular supplies of strictly high-grade stock, and as our capacity is very large we shall be pleased to add you to our list of customers. We can at all times supply everything which is to be had in Chicago.

Records of Our Growers at the Chicago Show:

ROSES

South Park Floral Co., New Castle, Ind.: 1st on 40 Brides; 1st on 40 Bridesmaids; 2d on 25 American Beauties; 2d on 40 Perles. Four entries; four prizes.

CARNATIONS

Mrs. E. T. Grave, Richmond, Ind.: Special mention for Dorothy.

CHRYSANTHEMUMS

Gunnar Tellmann, Marion, Ind.: 1st on 25 white with Fee du Champsaur; 1st on 25 yellow with Major Bonaffon; 2d on 25 pink with Vivian-Morel; 2d on 25 bronze with Mongolian Prince; 1st on 6 white with Evangeline; 1st on 6 yellow with Major Bonaffon. Seven entries; six prizes.

WE ARE CHICAGO AGENTS FOR E. G. HILL'S FINE FLOWERS. HIS CHRYSANTHEMUM EXHIBIT WAS TOO LATE FOR THE SHOW BECAUSE OF A TRAIN WRECK.

E. C. AMLING,

The largest, best equipped and most centrally located wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.



CHICAGO, ILL.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Addresses all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

NEW YORK.—Election excitement and other diversions proved too much for the majority of the bowlers last Monday and the alleys were almost deserted. Next Monday, November 12, the games will be played in the afternoon because of the club meeting in the evening.

At Flatbush.

The sensation of the last meeting of the bowlers was Riley's score of 202, which shows that this gentleman and the new alleys are getting to understand one another and makes the outlook for the future rather gloomy for would-be "pot" winners.

At Utica.

The following is the score made by Utica florists on the evening of November 5:

Player	1st	2d	3d	Av
Capt. Baker.....	169	145	145	153
Wilcox.....	157	118	140	135
Pfeiffer.....	119	145		132
Rowlands.....	122	145	113	127
Day.....	140	117	119	125
Toimey.....	110	123	140	124
Soener.....	104	129	120	118
H. Mathews.....	129	90		109
Hildebrand.....	107	99	112	106
Steff.....	92	132	90	105
Crowe.....	89	84	131	111
Dr. Baker.....	109	93	94	99
McLean.....	72	78	72	74

At Chicago.

There has been much bowling in Chicago this week but the most noteworthy contest was that between Chicago and Milwaukee at Anson's alleys on Wednesday evening. Milwaukee took two out of three games but Chicago was ahead on the total score. Following are the figures in detail:

CHICAGO				
Player	1st	2d	3d	T ¹
Geo. Stollery.....	144	168	176	488
Chas. Balluff.....	145	157	152	454
Phil. Hauswirth.....	140	116	122	378
Fred. Stollery.....	164	162	131	457
Walter Kretling.....	130	135	130	395
N. A. Schmitz.....	108	102	124	334
Ed. F. Winterson.....	168	150	159	477
Patrick O'Mara.....	144	132	157	433
Jno. Degnan.....	218	154	126	498

MILWAUKEE.				
Player	1st	2d	3d	T ¹
H. V. Hunkel.....	162	148	183	492
Wm. Edlefsen.....	141	151	135	427
Max Reitz.....	81	75	125	281
Otto Sylvester.....	190	135	150	493
W. E. Kennedy.....	161	124	118	403
Alex. Klokner.....	157	125	130	412
Nick Zweifel.....	125	121	146	392
Fred. Holton.....	149	172	130	451
C. C. Pollworth.....	150	216	177	513

Total 1361 1276 1277 3944

At the conclusion of the match game both teams played another game in which the Chicago team won by 186 points. Following are the scores: Phil Hauswirth, 163; Chas. Balluff, 131; Jno. Degnan, 203; Geo. Stollery, 195; Fred. Stollery, 213; Ed. F. Winterson, 154, total, 1049. The Milwaukee scores were as follows: H. V. Hunkel, 161; Wm. Edlefsen, 128; Otto Sylvester, 144; Fred. H. Holton, 141; Alex. Klokner, 100, and C. C. Pollworth, 189.

At West Hoboken.

The North Hudson bowlers had another good time on Helfich's alleys on Wednesday evening, October 31. Scores are rather irregular as yet but the boys expect to get steadied down after a few more practice games. The following scores were recorded:

Players	1st	2d	3d	4th	5th	Av
M. Hansen.....	179	165	112	147	172	155
L. Hansen.....	157	186	132	157	144	155
Brown.....	135	158	152	157	147	150
Menne.....	102	122	145	113	192	133
Dietz.....	164	132	93	108	120	123
Birnie.....	90	122	111	123	156	120
Bauman.....	102	135	117	102	125	116
Tshupp.....	116	101	90	113	79	100

Forcing Pickaninnies.

"Mistuh," said the colored woman who was leading by the hand one of the tiniest pickaninnies that ever grew, "does you speck I could git dis chile a chance to work in dat census buildin'?"

"Why, he isn't big enough to earn a salary."

"I doesn't want 'im to git no salary. It's his smallness dat makes me wanter git 'im de place. He's de backwades' chile 'bout growin' I ever did see, an' I was in hopes dat if I could git him in de hot sun under dat glass roof I could

foce 'im along a little, same as if he were a radish or a tomato."—*Washington Star.*

TARRYTOWN, N. Y.—The Tarrytown Horticultural Society held its monthly meeting October 25, when the chief business was pertaining to the annual exhibition. The services of the following veterans were secured as judges: W. Gommersall, M. Lynch, E. Dailedouze, D. Little, G. Hale, R. Williamson and J. Duncan. Wm. Turner showed a fine vase of Liberty.

ASPARAGUS

Sprengerii and Plumosus Nanus

Extra strong stock from 2½-in. pots, \$5 per 100, \$40 per 1000. (Ready for 3-inch.)

JACKSON & PERKINS CO., Newark, New York.

FERNS

Pteris Albo-Lineata, } \$3 per 100.
 .. Cretica Nobilis, }
 .. " Alba, } \$25 per 1000.
 .. Winn., }
 .. Serulata, }
 .. Major Cristata, }

CASH WITH ORDER.

J. F. Kidwell & Bro., 3806-24 Wentworth Av., Chicago.

40,000

Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—\$35, \$50, \$75 and \$100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....\$35 per 100 14 to 16 inches in diameter.....\$50 per 100
 12 to 14 inches in diameter..... \$5 per 100 16 to 18 inches in diameter..... \$12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in....\$5 per 100 Strong 3 in. pots....\$8 per 100
 Asparagus Sprengerii—2½ in....\$5 per 100 Asparagus Sprengerii—3 in....\$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....\$10 per 1000 Strong 4 in. pot plants.....\$15 per 100
 Strong 5 in. pot plants.....\$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....\$12 per 100
 \$100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....\$10 per 100
 \$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

JOHNSON & STOKES' Special Offer.

LILIUM AURATUM, 7-9, at.....\$4 per 100.	FRENCH WHITE ROMAN HYACINTHS, 12-15c, \$1.60 per hundred; \$15 per 1000.
" RUBRUM, 7-9, at.....\$4 per 100.	PAPER WHITE GRANDIFLORA NARCISSUS, 75c per 100; \$6.50 per 1000.
" ALBUM, 7-9, at.....\$5 per 100.	FINE MIXED TULIPS, 75c per 100; \$6.50 per 1000.
CHINESE SACRED LILIES, per basket (30 bulbs), \$1.40; per mat (120 bulbs), \$5.	FREESIA REFRACTA ALBA, 50c 100; \$4.00 per 1000.

JOHNSON & STOKES, Seedsmen, - - 217-219 Market Street, PHILADELPHIA, PA.

BULBS! BULBS! BULBS!

White Romans, 12-15, at \$1 60 per 100. Double Nosed Von Sion (large) \$2.00 per 100. Paper Whites, large size, @ \$1.00 per 100. Harrisii, 5-7, at \$5 00 per 100; 7-9 at \$10.00. Liliun Longiflorum, large flowering, 7-9, at \$7.00 per 100. Special prices on Dutch Hyacinths and Tulips.

THE VAIL SEED CO., Indianapolis, Ind.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

Just One Word

....IF YOU PLEASE....

We are receiving some of the very finest

CHRYSANTHEMUMS

that come to Chicago. Send your orders for what you may need for either large or small Blooms. We can supply just as good Roses, Carnations, Violets and Valley as can be procured in this market. ❀ ❀ ❀ ❀ ❀

WE HAVE CONSTANTLY
ON HAND

**Caldwell's
Wild Smilax**

AND THE BEST

Fancy Ferns
IN CHICAGO.

We **want** your trade because
we **want** you to know that ❀
your **wants** can be filled and
not found **wanting**.

J. B. DEAMUD, 51 and 53
Wabash Ave.,
....CHICAGO....

New Haven, Conn.

TRADE SHOWS A VERY CONSIDERABLE IMPROVEMENT.—SOME VERY GOOD STOCK AVAILABLE —NO FLOWER SHOW.

Trade is much better than two weeks ago and there seems to be a good demand for chrysanthemums, which are just now at their best. There are very few specimen plants this year and the demand seems to be for medium-sized plants to cost about \$1. Roses are not in it for a few weeks, but carnations seem to hold their own. Palms are selling very slowly.

It was decided not to hold any show this year, on account of the summer being so dry that very few had any luck with their plants. They will try hard for it again next year.

E. J. Morse is sending in the finest chrysanthemums seen so far this season, in all of the leading varieties; also some very fine longiflorum lilies.

J. N. Champion & Company gave an exhibition of chrysanthemums in their foyer November 6 to 10, some very nice plants being shown.

K. Rosien, of Westville, is putting in a boiler and fixing over his boiler house. He is cutting some fine carnations, Scott and Flora Hill.

Recent visitors: J. E. Beach, Bridgeport, Conn; J. Scott, Brooklyn, N. Y. G. H.

SYRACUSE, N. Y.—The Central New York Horticultural Society will have a series of lectures to members this winter, but no autumn chrysanthemum show.

BUSHNELL, ILL.—E. D. Lauterbach has a water grate down-draft hot water boiler which he finds very satisfactory and which can be operated in fair sized ranges without a night fireman.

ORCHIDS.

	Doz.	100
Cattleya Citrina.....	\$3.00	\$24.00
Laelia Albida.....	3.00	24.00
L. Anceps.....	4.00	24.00
L. Autumnalis.....	4.00	24.00
L. Majalis.....	3.00	24.00
Odontoglossum Rossii.....	3.00	20.00
Odontoglossum Cervantesii.....	2.00	12.00
Odontoglossum Citrosimum.....	4.00	30.00
Oncidium Tigrinum.....	5.00	25.00
Epidendrum Vitellinum.....	3.00	18.00

BULBS. 100 1000

Amaryllis Formosissima.....	\$2.00	18.00
Bessera Elegans.....	1.00	9.00
Cyclobothra Flava.....	1.00	7.00
Milla Biflora.....	1.00	7.00
Tigridias, assorted.....	1.00	9.00

CACTUS.

Old Man's Head, 5 and 6-incb. \$3.00 per dozen; Colored, 25 varieties, \$3.00. Resurrection Plants, \$3.00 per 100. Cobaea Scandens Se-d. \$3.00 per pound. Prices include parcel post paid. Remit by Express Money Order.

J. A. McDOWELL,
Apartado 167, CITY OF MEXICO.

Orchids...

CYPRIPEDIUM INSIGNE.

THE KOFFMAN COLLECTION.

To close estate, will be sold in whole or in lots, with or without lease of greenhouses. Good chance to go into the business. Call or address

J. B. BLOOMINGDALE,
78 Fifth Avenue, NEW YORK CITY.

THE AMERICAN BEAUTY

Still maintains its position at the head of the list of Choice Roses.

I am receiving, daily, the finest specimens of this popular flower in the favorite EXTRA, FANCY AND SPECIAL GRADES and am in a position to furnish them regularly at prevailing New York market rates.

EXHIBITION FLOWERS A SPECIALTY.

C. W. Ward's Superb Carnations and Carl Jurgen's Lily of the Valley

are sold exclusively here.

VIOLETS AND EXHIBITION CHRYSANTHEMUMS.

Shipments in any desired quantity.

JOHN YOUNG, ⁵¹ West 28th St., NEW YORK.

HART'S Consignors

Are in now with a bountiful supply of elegant CHRYSANTHEMUMS and VIOLETS.

HART'S Customers

Can buy these and all other seasonal flowers fresh and carefully handled, at favorable New York market prices.

Growers and Retailers will find it to their advantage to get acquainted at

M. A. HART'S

Wholesale Cut Flower Store,

44 West 28th Street, NEW YORK.

...CONSIGNMENTS WELL SOLD AND RETURNS PROMPT...

SCHULTHEIS IS NOW SHIPPING ERICAS.....

Christmas bloomers, graceful plants, all sizes, full of buds. There is money in them for you. I have KENTIAS from seedlings up to large specimens. ARDISIAS, full berried. ORANGES and PEPPERS in fruit. Finest stock in the country of AZALEAS, best early bloomers. Vervaneana, Simon Mardner, etc. Experienced shippers employed.

A. SCHULTHEIS, College Point, NEW YORK.

PROSPERITY

Is the name of the superb CARNATION heretofore known as No. 666, to be disseminated March 1, 1901. For particulars apply to DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

PLEASE MENTION US TO OUR ADVERTISERS.

OPEN FOR BUSINESS AT 6 A. M. DAILY.

THE BUSIEST CORNER
 OF THE
 LARGEST FLOWER MARKET
 IN AMERICA.

Exceptional advantages for Growers or
 Retail Florists who are unable to attend
 market in person

EARLY ORDERS OUR SPECIALTY

FRANK MILLANG,

Wholesale Florist

Cut Flower Exchange, 408 E. 34th St.,

Tel. 299 Madison Sq.

NEW YORK.

JULIUS LANG

Wholesale
Commission
Florist

Receives on consignment the product of
some of the most reliable cut flower
growers in the vicinity of New York.

Roses and Carnations
(in all leading popular varieties)

Violets, Chrysanthemums and Orchids.

Careful attention to out-of-town shipments.

Always open for consignments. Goods
carefully handled and well sold.

53 West 30th St.,

Tel. 280 Madison Sq. NEW YORK.

Place your orders now for

Christmas Material

I am prepared to quote lowest figures on my
leading specialties

HOLLY, SOUTHERN SMILAX
AND PINES, PRINCESS PINE,
PALMS AND RED LUFFIA STARS

For years the largest dealer in decorative sup-
plies. Shipments in any quantity and
always on time.

S. J. LIMPRECHT,
119 West 30th St., New York.
Tel. 1438 Madison Sq.

Consignments handled
to best advantage. . . .

SPECIAL NOW—A lot of strong
bamboo market baskets,
suitable for marketing
flowers. Cheap.

A Word With
the Flower Grower:

As a logical result of business meth-
ods, progressive ideas and close atten-
tion, we find our trade with the best
retailers of the Metropolis firmly estab-
lished and constantly growing.

Consignors' interests carefully guarded,
and it will pay you to come and see us.

SHIPPING TRADE SOLICITED.

Wm. Ghormley,

Wholesale Commission Florist,

57 W. 28th St., New York City.

Tel. 2200 Madison Sq.

Long Experience

Perfect System

Close Attention to Details

Impartial Treatment, Quick Returns and Sure Money

Are the advantages enjoyed by growers who send their flowers to

RAYNOR'S

All goods sold on their merits and we get out of them for consignors all they will yield. Our list of Consignors is bigger than ever before, but there is room on the book for as many more as apply. Still in the lead on Beauty, Liberty, Bride, Bridesmaid and Meteor Roses; Carnations, Violets, Chrysanthemums and Bulbous Stock. Shipment by express in any quantity desired and at reasonable prices. Quotations on application.



JOHN I. RAYNOR

WHOLESALE COMMISSION FLORIST

TELEPHONE 1998 MADISON SQUARE

49 W. 28th Street, NEW YORK

PETER REINBERG.

Largest Grower...

— OF —

Cut Flowers

IN AMERICA.

600,000 SQUARE FEET OF GLASS.



51 Wabash Avenue, CHICAGO.

Price List.

	Per Doz.
Am. Beauty, extra long.....	\$4.00
36 inch stems.....	3.00
30 "	2.50
24 "	2.00
18 "	1.50
15 "	1.25
12 "	1.00
short " .....	.75
Per 100	
Bridesmaid.....	\$3.00 to \$5.00
Bride	3.00 to 5.00
Meteor	3.00 to 5.00
Perle	3.00 to 4.00
Golden Gate	5.00 to 8.00
Kaiserin.....	4.00 to 6.00
Carnations.....	1.00 to 1.25
" fancy	1.50 to 2.00
'Mums	per doz., 2.00 to 3.00

Prices quoted are for select flowers. Inferior stock billed accordingly.

We make no charge for P. & D.

E. H. HUNT
WHOLESALE
SEEDS, BULBS
CUT FLOWERS



ESTABLISHED 1878

76-78 Wabash Ave.
CHICAGO, ILL.

November 1, 1900.

We beg to announce to our friends, patrons and the trade that MR. W. E. LYNCH, who has for the past six years conducted successfully a wholesale Cut Flower business, has consented to take charge of our Cut Flower Department and will assume his duties at once. Our customers can be assured of better service and we are also in position to fill orders from his past customers in the very best of shape. Thanking the trade for the kindness shown us in the past, I remain,

Yours very respectfully,

E. H. HUNT.

C. M. DICKINSON, MANAGER.

P. S.—Please send all letters and orders direct to the firm.

Long Distance Phone Central 1751.

GREEN
HOLLY
MISTLETOE
WREATHING
HOLLY
WREATHS
GALAX LEAVES
LEUCOTHOE
SPRAYS
WILD SMILAX
CAPE FLOWERS
IMMORTELLS
Etc., Etc.

Decorative Greens

OF ALL KINDS

We are prepared to furnish this season the very choicest stock of **Eastern Holly** and select **Northern Green** in all quantities at the lowest market rates. We will also have in stock all other greens and decorative materials which we will gladly tell you about and quote you prices if you will only ask us.

E. H. HUNT

76-78 Wabash Ave., CHICAGO, ILLINOIS

To Cut Flower Growers.

Now is the time to arrange for the disposal of your Winter's product.

BEGIN RIGHT

by consulting us. Special to Violet Growers:

 **WE COMMAND THE BEST TRADE IN VIOLETS.**

TRAENDLY & SCHENCK,

WHOLESALE DEALERS IN CHOICE

Roses, Carnations, Orchids, Violets, Chrysanthemums, Etc.

38 West 28th Street, NEW YORK.

Tel. 798 and 799 Madison Square. When one is busy use the other.

Careful Shipping.

South Park Floral Co.

NEW CASTLE, INDIANA.

Chicago Flower
Show, 1900.



4 ENTRIES: 4 PRIZES.

First Prize on 40 Bridesmaid,
First Prize on 40 Bride,
Second Prize on 25 American Beauty,
Second Prize on 40 Perle.

SOUTH PARK FLORAL CO.

NEW CASTLE, INDIANA.

E. C. Amling is the Chicago Agent for our Prize Winning Stock.

If You Don't Buy Cut Flowers From Us,

WE sell to the house you DO buy from, so indirectly we sell to you. If you don't want it that way, send US your orders direct and WE will save you their profit. Our Beauties, Brides, Bridesmaids, Meteors, Perles and Carnations are the best that come to this market. We will have a large stock right along and hope you will add your name to the list of customers this season. We will serve you promptly with good stock and no "cinch" prices so prevalent on so-called shipping orders. Two shipments daily from our greenhouses: 8 a. m. and 2 p. m. We cut from 7,000 to 10,000 daily. All stock carefully selected for shipping. No charge for P. & D.

GEORGE REINBERG, 51 Wabash Avenue, CHICAGO, ILL.

HOLLY GEE!!!

TOO SOON TO ORDER YOUR HOLLY? GUESS NOT!

HOLLY — XXX brand "hand picked," dark green foliage, long branches and well berried.
HOLLY — XX brand "hand picked," dark green foliage, well berried, short branches.

Really good Holly is always scarce. Early orders will secure first pick. I buy mine in open market and examine every case personally. *شكركم*

English, French and American Mistletoe, "hand picked and guaranteed."

Wild Smilax, Palm Leaves, Cut Laurel and all kinds of "Green Goods."

PRICE LIST OF ALL ABOVE ON APPLICATION.

GALAX LEAVES, Brilliant Bronze, \$1.50 per 1000; Green, \$1.00 per 1000.

Fancy Fern, Dagger Fern, etc.,
.....at market prices.

HARRY A. BUNYARD, 38 West 28th St., New York.

Growers, Attention!



"Always ready to receive
Fine Stock."

WILLIAM H. GUNTHER,

30 W. 29th St., New York,

VIOLETS, ROSES, CARNATIONS, ORCHIDS.

Established 1888.

GROWERS' AGENT

Walter F. Sheridan,

Wholesale Comission Dealer

IN CHOICE ROSES, VIOLETS, CARNATIONS, ORCHIDS, CHRYSANTHEMUMS,
ASPARAGUS, FANCY GRADES OF AMERICAN BEAUTY FOR
PARTICULAR BUYERS A SPECIALTY.

39 West 28th Street,

TELEPHONE
902 MADISON SQ.,

NEW YORK CITY.

BASSETT & WASHBURN

WHOLESALE DEALERS IN AND GROWERS OF

CUT FLOWERS

We also make a Specialty of FLORISTS' RIBBONS See Prices in Weekly List

American Beauties We have planted 50,000 plants in new houses built especially to grow Beauties.

Brides, Bridesmaids, Liberty, Meteors, Perles, Kaiserin
75,000 plants, and they are fine. We have disbudded them right along until now and shall have an extra choice lot of flowers.

Carnations Mrs. Lawson, Ethel Crocker, Mrs. Bradt, America, Crane, Red Bradt, Triumph, Mrs. Joost, White Cloud, Mary Wood, Flora Hill, Gold Nugget, Maceo, Mrs. Jas. Dean. 54,000 PLANTS, all the cream of the Fancies. This is the finest stock of all Fancies in this country.

Chrysanthemums 25,000 grown to single stems. The best commercial varieties.

Easter or Harrisii Lilies 40,000 bulbs planted, all Bermuda selected stock. We have Lilies from December through to June from six to eight houses devoted exclusively to their growth.

Greens We have six thousand Asparagus Plumosus, three thousand Asparagus Sprengeri and ten thousand Smilax plants.

Adiantum or Maiden-Hair Ferns Two Houses.

IN ADDITION TO THE ABOVE WE GROW AN IMMENSE STOCK OF
TULIPS, VON SIONS, DUTCH HYACINTHS, PAPER
WHITES AND MISCELLANEOUS FLOWERS

BUY YOUR FLOWERS DIRECT FROM THE GROWER AND
THEREBY GET BETTER AND FRESHER STOCK AND SAVE
THE REHANDLING CHARGES OF THE MIDDLEMEN ❀❀

BASSETT & WASHBURN

Store, 76 and 78 Wabash Avenue, CHICAGO, ILLINOIS

GREENHOUSES, HINSDALE, ILLINOIS

Newark, O.

NOTINGS OF A VISIT TO TWO VERY CAPABLE GROWERS.—MUCH GOOD STOCK IN EVIDENCE—TRADE REPORTED VERY BRISK.

Chrysanthemums, plenty of them and very fine ones, both pot plants and single-stemmed, is what greeted my eyes during a recent call on Geo. L. Miller. Glory of Pacific, Robinson, Wanamaker and Mayflower do especially well with him, the blooms I saw being well worthy of the blue ribbon at any exhibition. That Mr. Miller finds a ready sale for his stock goes without saying; to put it in his own words, he is "often compelled to nip them in the bud," which means that the demand is such that the blooms are cut before they are fully developed. His general stock is all that could be desired. I noticed, among other things, a fine batch of small kentias grown from seed, and a houseful of Boston ferns.

A. J. Baldwin has added a house 20x100 to his range, now having seven houses and about 15,000 feet of glass. Mr. Baldwin, I may add, never does things by halves; his houses are built in the most approved way, vitrified tile being the material for the walls. He seems to have hit it right on Boston ferns. A houseful of these in 6-inch and 7-inch pots cannot possibly be surpassed anywhere. While the local demand for Boston ferns is quite brisk, his wholesale trade is equally encouraging, and between the two his Bostons are moving rapidly. I do not know of any place where chrysanthemums do better than in Newark. It is Mr. Baldwin's intention to give a chrysanthemum show at his place during next week. Both Mr. Baldwin and Mr. Miller report business good, with the outlook in favor of a big season. Both are alert, progressive and all-around good growers. NOMIS.

WEST MENTOR, O.—Carl Hagenburger has just completed a range of five modern houses, an office, boiler room and 50-foot smoke stack and has installed an eighty horse-power boiler. He now has a range of twelve houses and 26,000 feet of glass.

Boston Ferns.

TRUE TO NAME.

Small plants from bench.....	\$ 1.00 per 100
7,000 2-inch.....	2.50 "
1,000 3-inch.....	5.00 "
1,000 4-inch.....	8.00 "
500 5-inch.....	15.00 "

DAVIS BROS., : Morrison, Ill.

SMILAX PLANTS.

Strong, bushy plants from 2 and 2½-inch pots. Must sell to make room. \$5 a 1000, 75c a 100, cash.

Write for sample and price on large lots.

R. KILBOURN, Clinton, N. Y.

'MUMS.

Stock plants from 6-inch pots or bench, ready now: Mme. Bergmann, G. S. Kalb and Gloire de Pacific, \$1.00 per dozen.

Mrs. Robinson, Yellow Mrs. Robinson, Bonnaffon and other standard varieties. Send list of your wants.

CRABB & HUNTER, Grand Rapids, Mich.

PRIMULA SINENSIS

in fine mixture.....\$2.00 per 100

PRIMULA OBCONICA

true large-flowering.....\$2.00 per 100

BEGONIAS fine flowering and foliage varieties, 3½ and 4-in. pots, at 50c per dozen; \$4 per 100. SALVIA—Splendens and Bonfire, dwarf, fine stock plants, \$3 per 100.

E. FRYER, Batavia, Ill.

CUT FLOWERS AND PLANTS....

SOLD ON COMMISSION.

Headquarters of the Hustler

CHAS. MILLANG

Wholesale Florist,

48 West 29th St., NEW YORK.

Telephone 1304 Madison Square. Consignments Solicited.

3 -- GREAT GLORIES -- 3

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, \$15.00 per 100.

BEGONIA GLOIRE DE LORRAINE Nana Compacta,

2¼-inch pots, \$15.00 per 100.

BEGONIA CALEDONIA, "The White Lorraine,"

3½-inch pots, \$5.00 each.

This stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

FUCHSIAS

LITTLE BEAUTY, LORD BYRON

AND WHITE BEAUTY.

The popularity of the former two is well established. WHITE BEAUTY is a gem of the first order, being a strong, compact grower and a continuous all-year round bloomer. It sells at sight.

PRICES AS FOLLOWS:

Little Beauty and Lord Byron, 2½-in. pots, \$5.00 per 100.

White Beauty, 2½-in. pots, \$10.00 per 100, \$2.00 per dozen.

Stock ready Dec. 15th and orders filled in rotation Address

S. S. SKIDELSKY,

523 Pine Street, PHILADELPHIA

THERE'S MONEY

To be Made at

CLEARY'S

60 Vesey Street, NEW YORK.

The Growers' Clearing House and The Dealers' Golden Opportunity.

PLANT AUCTIONS

EVERY TUESDAY and FRIDAY, 11 A. M.

OXALIS BULBS.

Oxalis in four distinct colors, named, 60 cts. per 1000 and up.

Yellow Day Lily (Hemerocallis), 3 varieties, different seasons of blooming, \$2.00 to \$3.00 per 100.

Wistaria Magnifica, blue, 3 years, transplanted, \$3.00 per 100.

Linnæus Rhubarb, good crowns, \$1 per 100.

E. Y. TEAS, Greens Fork, Ind.

Please mention the American Florist when writing.

FINE DOUBLE DAHLIAS.

1500 to 2000 field-grown roots, as fine varieties as any in the market. POMPON, large-flowered and CACTUS, \$5 per 100.

A few hundred field-grown roots, best pink dwarf FRENCH PHLOX, \$5 per 100.

A few thousand mixed pink GLADIOLUS.

E. HAENTZE,

FOND DU LAC, WIS.

Please mention the American Florist when writing.

SUPERB

VIOLETS

Valley

ORCHIDS

ROSES

and

CARNATIONS

YOUNG & NUGENT

Wholesale Florists

42 West 28th Street, = = NEW YORK

UNSURPASSED FACILITIES ENABLE US TO GIVE OUT-OF-TOWN CUSTOMERS PROMPT AND RELIABLE SERVICE, AS WE MAKE A SPECIALTY OF SHIPPING THE CHOICEST FLOWERS THAT THE BEST GROWERS CAN PRODUCE. TELEPHONE 2065 Madison Square.



NO EXTRA CHARGE FOR PACKING

PRICE LISTS ON APPLICATION . . .

Wietor Bros.

THE LARGEST GROWERS OF CUT FLOWERS IN AMERICA.

51 Wabash Ave., CHICAGO, ILL.

Growing more plants of American Beauty than any other establishment in the whole world we are in a position to fill orders at all times. Call on us for your supplies of

Flowers for Thanksgiving

**Roses
Carnations
Chrysanthemums**

Wholesale Price List.

Am. Beauty, ex. long, per doz.,	\$3.00 to \$4.00
" 24-in. stem, "	2.50
" 20 " "	2.00
" 15 " "	1.25
" 12 " "	1.00
" 8 " "	.75
Meteor.....per 100,	3.00 to 5.00
Bridesmaid..... "	3.00 to 5.00
Bride..... "	3.00 to 5.00
Perle..... "	3.00 to 4.00
Carnations..... "	1.00 to 1.25
" fancy..... "	1.50 to 2.00
Chrysanthemums..... "	8.00 to 25.00

All other stock at lowest market prices. No charge for packing.

SUBJECT TO CHANGE WITHOUT NOTICE.

We Dispose of the Product....



Of nearly one hundred of New England's most successful Cut Flower Growers.

The most extensive source of supply in Boston, with thorough business methods, experienced and capable packing and shipping clerks, and the ability to furnish everything in market, fresh, prompt, of best quality, and at lowest prices possible.

During November a grand stock of Chrysanthemums, Orchids and Violets, American Beauty and Carnations of highest grade. Thanksgiving orders being booked now. Price list on application. We have a full line of all Florists' Supplies, also Christmas Holly and Greens.

WELCH BROTHERS

CITY HALL CUT FLOWER MARKET
9 CHAPMAN PLACE AND 15 PROVINCE STREET BOSTON, MASS.

TELEPHONE..
2161 AND 2071

STUDER'S PRICE LIST.

Which please keep for future use as I do not issue a catalogue and this advertisement, which appears only once, contains all I have to offer. In thus saving expenses I am enabled to sell first-class stock at moderate prices. My aim is to grow the best plants possible in the smallest pots possible to save freight charges. Below I give as close as possible description of my plants, as depending on size of pots only you might get deceived. I quote here prices, the lowest possible for the quality offered, per single plant, so the small buyer will get stock as cheap as the larger one. I always add extras to help pay freight. This offer is good as long as stock lasts, which is crowding at present a bench space of over 20,000 square feet.

PALMS.		Pots.	Leaves.	high.	Each.
Kentia Belmoreana	7	7	50-in.		\$3 50
"	7	6 to 7	36		3.00
"	7	6	24		2.50
Latania Borbonica	8	7	30		1.50
"	8	6 to 7	24		1.25
"	7	6	24		1.00
"	7	3 1/4	5	18	.30
Seaforthia elegans	2 in pot	7	8	55	1.00
"	1 in pot	7	5	50	.75
"	1 in pot	6	4	40	.50
Areca Lutescens	2 in pot	5	6 to 7	36	.50
"	2 in pot	5	6 to 7	21	.35
"	1 in pot	4	4	20	.25
Corypha Australis	6	7	30		.50
Phoenix tenuissimus	6	7	30		.50
Cocos Weddeliana	4	6	20		.30
FERNS.					
Bostoniensis	10	50	36		2.00
"	8	35	30		1.00
"	6	24	30		.75
"	5	15	24		.50
Davallioides Furcans	8	35	30		1.00
"	6	24	25		.75
Exaltata, Philippinensis	6	20	24		.35
Washingtoniensis	8	18	50		1.25
DRACAENAS.					
Lindeni & Massangeana	5	8	15		.50
Fragrans	5	10	18		.25
Terminalis	5	10	18		.25
Indivisa	6	15	24		.30

MISCELLANEOUS.				
Dieffenbachia	5	6	18	.25
Crotona in mixture	5	15 to 20	20	.25
Anthurum Grande	5	5 to 6	18	.25
Pandanus Utilis	10	40	30	2.00
"	4 1/2	12	18	.25
Ficus Elastica	6	12	22	.35

SMALLER PALMS, FERNS, ETC.				
Kentias, 3-inch,	10c;	2-inch,	5c;	Latania, Phoenix, Caryota Urens and Chameroops Excelsa, 5c. Ferns Washingtoniensis and Dav. Furcans, 10c; Bostoniensis, Exaltata, also ferns for pans, and Selaginellas 4c; Dracenas Lindeni and Massangeana from 2 1/2-inch, 15c; Terminalis and Fragrans, 5c; Indivisa, 3c.

PLANTS FOR JARDINIERS, FANCY BASKETS, ETC..			
Maranta Zebrina,	3c;	Fittonias and Peperomias, 5c; Tradescantias var., 3c; Anthericums, 5c; Carex Japonica, 3c; Sansevieria, 5c.	

FANCY CLIMBERS AND VINES.			
Stephanotis, Hoya Carnosa, Clerodendron Bal-fouri, Allamandas, Cissus discolor, Jasmine grandiflora	from 5 to 15 cents.		

BLOOMING AND OTHER PLANTS.			
Begonia Rex and blooming, var., Justicia, Hibiscus, Gardenia, double Jasmine, Otobeite Orange (without fruits), Umbrella plants, Lemon Verbenas	from 5 to 25 cents.		

BEDDING PLANTS.			
Geraniums, double pink, scarlet, crimson and salmon, single scarlet and salmon from 2-inch pots, 2 1/4c; rooted cuttings, 1 1/4c; assortment of 50 of the best varieties all labeled for \$3 00. Verbenas, 35 best varieties in good mixture all named, 70c per 100; \$5 00 per 1000; 2; for 2-in. pot plants, Heliotrope, Ageratum, Salvia, Fuchsias, Basket plants, 1c for rooted cuttings; 2c for 2-in. pot plants; also Lantanas in variety.			

HARDY PLANTS.			
Large field-grown clumps of Rudbeckia Golden Glow, Phlox in variety, Pinks, Coreopsis, Gail lardias, Sunflowers, Aquilegia, etc., 6 cents.			

LARGE FIELD-GROWN ROOTS			
Of best cut flower Dahlias, 8c; Cannas, Pres. McKinley and Cleveland, Queen Charlotte and Ruth, a very dwarf yellow, 5c; mixed other good kinds, 3 cents.			

ROSES FIELD-GROWN.			
Monthly and hybrid varieties, all popular kinds only in good mixture, 6 cents.			

HARDY EVERGREENS			
For vases, window boxes, etc., dwarf and bushy, Arbor-vita, Junipers, Norway and other spruce, Euonymus, Buxus, English Ivy and Vinca, 10 to 15 cents. Japanese maples and Maidenhair trees 25 cents.			

Cut flowers at all seasons.

N. STUDER, Anacostia, D. C.

ROSES, 'MUMS, CARNATIONS. Write for regular or special supply of best cut stock. Lowest wholesale rates for good stock.

WE OFFER TO CLOSE 2000 very strong 3-in. pot Maids at \$4.00 per 100. Need room and will prepay express in full within 500 miles, or half of express 1000 miles. Fine plants to follow 'mums for winter bloom.

W. H. GULLETT & SONS, Lincoln, Ill.

5000 CANNAS.

AT A BARGAIN. If ordered at once will make special rate on the following varieties: Allemania, Egandale, Francis Billard, Mme. Montefiore, Florence Vaughan, Mlle. Berat, Mrs. Robt. McKeand, Souv. de Pres Carnot, Defender and many other varieties.

W. W. COLES, KOKOMO, IND.

Dahlias, Cannas, Tobacco Dust, Cal. Privet

Tobacco Dust fresh \$1.00 per 100; \$15.00 per ton. Cash with order. Florence Vaughan, Alphonse Bouvier, Italia, Alsace and Flamingo Cannas, \$1.50 per 100, while stock lasts. California Privet, 1 year, \$15.00 per 100; 2 years, \$20.00. Goldeu Glow, \$1.00 per 100; Dahlias, best mixed varieties, \$5.00 per 100. Can use in exchange Paeonias, Iris or field grown Roses.

THOMPSON'S BONS, RIO VIBTA, VA.

Everything at Manufacturers' Prices

ADDITIONAL WAREHOUSES—ALL NEW STOCK

Will meet competition on every line of Standard Supplies for Florists' Use

SEND FOR SPECIAL QUOTATIONS

Am Also Ready to Talk About Holly



In addition to the same acceptable X X X Holly of Previous years I list a SPECIAL FANCY BRAND, all long-branched and guaranteed in every particular. This quality has never before been offered to the trade.

Orders Booked Now

During November a full line of fancy Chrysanthemums, Violets, Lily of the Valley, Roses, Carnation Novelties and the choicest stock of Cattleyas and other orchids in New England.

SEND IN YOUR THANKSGIVING ORDERS

GEORGE A. SUTHERLAND

TELEPHONE 1270

67 Bromfield Street, BOSTON, MASS.

SAMUEL S. PENNOCK

WHOLESALE FLORIST

UNSURPASSED FACILITIES enable us to give our customers prompt service, the best and choicest of flowers, including the latest novelties; handled and delivered with the greatest care and despatch. :: :: :: :: :: ::

Write for our WEEKLY PRICE LIST.

NEW FEATURE

Full and complete line of RIBBONS, especially adapted for Florists' use.

Prices and samples sent on application.

1612-14-16-18 Ludlow St.

PHILADELPHIA, PA.

NOW IS THE TIME

TO LAY IN YOUR SUPPLY OF FINE.....

Boston Ferns

For your holiday trade. Four and five-inch are nice sizes to buy. We have them in all sizes. Write us for prices.

GEO. A. KUHL

Grower of Roses, Carnations, etc. PEKIN, ILL.

RUBBER PLANTS

16 to 20 inches above pot, \$3 per doz. These are strong, well-grown plants, with leaves to pot, and just right to shift or sell at twice the money.

UMBRELLA PLANTS

Fine, large plants in 4-in. pots, 6 cts. each; \$6 per 100. Plants are packed light, and the lowest rates guaranteed.

CINCINNATI FLORAL CO., 2330 Harrison Avenue, CINCINNATI, OHIO.

Root Your Own Carnation Cuttings.

Not having room, we offer the following nice unrooted cuttings, or pips, until further notice:

Table with 3 columns: Plant Name, Price per 100, Price per 1000. Includes Morning Glory, G. H. Crane, Peru, Genevieve Lord, Gold Nugget, Mrs. Bradt, America, Mary Wood, White Cloud, Gen. Maceo, Mrs. Barlett, Mrs. F. Joost.

CASH OR C. O. D.

ADDRESS A. MITTING, Morris, Ill.

ROEMER'S SUPERB PRIZE Pansies.

Plants ready now. Free by mail, 65c per 100; 250 for \$1.50. By express, \$4.00 per 1000; \$7.00 per 2000; \$10.00 per 3000; \$15.00 per 5000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa. Grower of the Finest Pansies.

SMILAX

FINE PLANTS, out of 2-inch pots. \$1.50 PER 100. \$12.50 PER 1000.

J. C. Schmidt, Bristol, Pa.

HOLLY AND HOLLY WREATHS....

We are now booking orders for Thanksgiving and Christmas and can supply A1 Choice Delaware Holly at lowest cash prices.

Orders placed early will be shipped promptly. STROUDSBURG PAPER CO., Milton, Del.

PANSIES WORTH RAISING...

Plants all sold for the present. CHR. SOLTAU, 199 Grant Av., Jersey City, N. J.

A Tremendous Cut in Prices.

overstocked we make this special offer for a short time only. Plants are well-grown, large, true to name, and shipped just as they come from the ground without dividing.

Large list of plants for sale including Achillea, Agrostemma, Anemone, Alyssum, Artemisia, Astilbe, Arabis, Aster, Novae Angliae, Grandiflora, Pyramidalis Hybrids, Ptarmicoides, Anthemis, Arundo Donax, Aquilegia, Aquilegia Vulgaris, Aquilegia Chrysantha, Coerulea, Chrysanthemum, Caryopteris, Coreopsis, Clematis, Campanula, Campanula Pyramidalis, Chrysanthemum Uliginosum, Delphinium Formosum, Delphinium Azureana, Delphinium Sinensis Album, Delphinium Elatum Hybridum, Dicentra Spectabilis, Dianthus, Digitalis, Eulalia Japonica, Zebrina, Gracillima, Fuphorbia, Funkia, Sieboldii, Subcordata, Lavendula, Lychnis, Viscaria, Lobelia, Linum, Lathyrus, Gypsophila, German Iris, Gaillardia, Geum, Hemerocallis, Hardy Pinks, Hibiscus, Helianthus Multiflorus Plenus, Helianthus Soleil d'Or, Heliopsis, Iberis, Sempervireus, Primula, Myosotis, Phlox, Phlox Subulata Rosea, Phlox Subulata Alba, Platycodon, Platycodon Grandiflorum, Platycodon Mariesii, Pyrethrum, Pentstemon, Matricaria, Japanese Iris, Eoothera, Rosea, Rudbeckia, Scabiosa, Salvia, Statice, Valeriana, Tritoma, Monarda, Iris Siberica.

-\$3.00 PER 100.-

Prices are for Cash with Order.

EDWARD B. JACKSON, STAMFORD, CONN.

Carnation Blooms. 65,000 PLANTS UNDER GLASS. Why not buy your Carnation Blooms direct from grower and get good fresh stock. We have them in large quantities of all the leading commercial varieties, including G. H. Crane, White Cloud, Flora Hill, Mrs. Bradt, Eldorado, Madam Chapman, Maceo, Daybreak, McGowan and others. Also have 20,000 Violet Plants and picking large quantities daily. Write me your wants and get prices before you buy. Address CHAS. CHADWICK, Grand Rapids, Mich. Lock Box 11.

4 Acres Field-Grown Carnation Plants, 120,000

Table listing carnation varieties: MAYOR PINCREE, SWEETBRIER, MRS. FISHER, DOROTHY SWEET, CRIMSON SPORT, MAUD ADAMS, ALBERTINI, JUBILEE, MCGOWAN, PORTIA, J. L. DILLON, EL Dorado, L. L. LAMBORN, C. A. DANA.

LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHOTOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3 1/2-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch.

A. S. MacBEAN, LAKEWOOD, N. J.

CACTUS AND OTHER DAHLIAS FOR CATALOGUE COLLECTIONS....

WHOLESALE LIST ON APPLICATION. LOTHROP & HIGGINS, East Bridgewater, MASS.

Rubber Plants.

6-inch pots.....\$5.00 per doz. 7-inch pots..... 6.00 per doz.

CHAS. A. IFFINGER, Ozone Park, L. I.

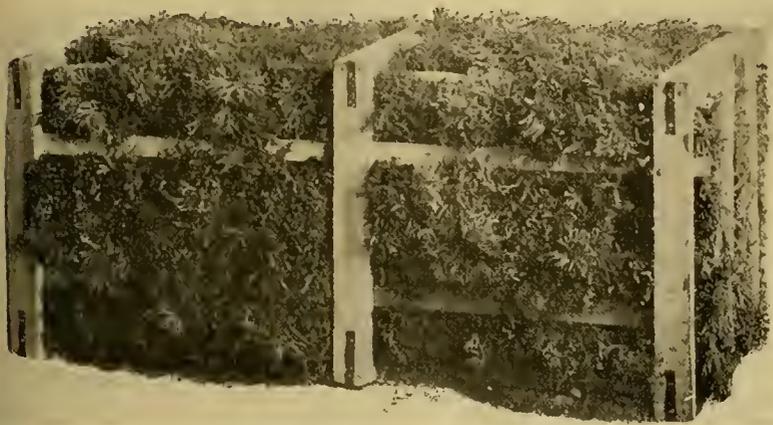
Here's An Opportunity!

Home Grown Kentias, from 10c to \$10.00. Arecas, from 2 1/2-inch pots up to large specimens. Latanias, Phoenix, Araucarias, Cocos, Chinese Primroses, best strains. Begonia Gloire de Lorraine, from 2 1/2-inch to 8-inch pots. Acalypha Sanderi. Peruvian Peppers, the latest novelty. Ferns in variety.

A large stock of first quality..... Decorative Plants especially grown for the New England trade.

WRITE NOW FOR PRICES; THEY ARE TEMPTING.

A. LEUTHY, ROSLINDALE, MASS.



INDIAN PICKED BOUQUET GREEN.

Holly

AND

Green

Vaughan's

XXX

HOLLY.

We maintain the highest grade Holly Branches in the market. Every case personally inspected by our own agent who has been 13 years in our service; men who gather and pack our Holly are equally well experienced. While other shippers sometimes handle as choice Holly as Vaughan's XXX Brand, yet ours has averaged **THE BEST** one year with another. Our price is about the same while our values are more than **DOUBLE**.

Per case \$5.00. For larger lots write. Burlap lined for Pacific Coast shipments, 50 cents extra.

VAUGHAN'S BOUQUET GREEN and WREATHING.

Write for prices when you are ready to buy.

We are Pioneer headquarters on this stock, controlling same from reliable first hands of long experience. We can save you money. Our stock this season, while in moderate supply only, is from best sources, largely Indian picked and all late picked, avoiding the warm drying weather in October.

Per 100 pound crate, \$5.00 to \$6.00.

WREATHING. Beginning about Dec. 1, we carry two grades regularly in stock in large lots, and will make closest prices in 20 yard coils.

Per 100 yards, \$3.00 to \$5.00.

 **FOR PROFIT PLANT....**

===Japan===

Lilium Longiflorum.

WE HAVE A LARGE STOCK OF UNUSUALLY **FINE BULBS**

IN THE FOLLOWING SIZES:

	Per 100	Per 1000
6 to 8-inch.....	\$3.25	\$30.00
7 to 9-inch.....	5.00	45.00
9 to 10-inch.....	8.00	70.00

STOCK. CHRYSANTHEMUMS. PLANTS.

Stock plants from bench and from 5-inch and 6-inch pots. **NOVELTIES of 1900.**

Per doz. \$3 00.
Per 100 \$20.00.

- Goldmine,
- Intensity,
- White Bonnaffon,
- Superba,
- Walter Malatsch.

Standard Varieties.

A complete list.
Per doz., \$1 50; per 100, \$10.00.

Choice Varieties.

Per doz. \$2.00; per 100 \$15.00.

- Mary Stewart,
- Garza,
- Delicatum,
- Descartes,
- Ada Strickland,
- Surprise,
- Mispah,
- Daisy,
- Ma tna,
- Yellow Fitzwygram,
- Canary,
- Miss Davis,
- Black Hawk,
- Mrs. Trainor L. Park,
- Shilowa,
- Silver Cloud,
- Wm. H. Chadwick,
- Yellow Mrs. J. Jones,
- Eclipse.

At this date we can supply a choice lot of Chrysanthemum bushy plants in 6-inch pots. Each, 50c.; dozen, \$5.00. Plants grown to single stem and flower, per dozen, \$4.00; per 100, \$25.00.

VAUGHAN'S Giant-Flowered Cyclamen.

Pure White (Mont Blanc).....	Per 100 seeds, 75c.
Dark Crimson	Per 1000 seeds, \$5.00.
Rosa Von Marienthal, "Daybreak Pink".....	250 seeds at the 1000 rate.
White With Carmine Eye.....	

GIANT-FLOWERED CYCLAMEN. Extra choice mixed. This mixture is made up from above separate colors. Per 100 seeds, 50c; 250 seeds, \$1.15; 1000 seeds, \$4.50; 5000 seeds \$20.

SWEET PEAS FOR FORCING.

Earliest of All, new, from 10 to 14 days earlier than Extra Early Blanche Ferry; standard bright pink, wings white. Oz., 10c; ¼ lb., 20c; lb., 50c.

Emily Henderson, pure white, dwarf. Oz., 5c; ¼ lb., 10c; lb., 30c.

Extra Early Blanche Ferry, true. Oz., 5c; ¼ lb., 10c; lb., 30c.

Vinca rosea, rosea fl. alba, alba pura. Each, trade pkt, 15c.; oz., 60c.

For other flower seeds see Vaughan's Book for Florists, sent free to florists.

VAUGHAN'S SEED STORE.

CHICAGO: 84-86 Randolph Street.

14 Barclay Street, NEW YORK.

Wittbold's Fall Offer of..... Choice Decorative Plants

ORDER NOW, WHILE STOCK CAN BE SHIPPED SAFELY BY FREIGHT. FOLLOWING QUOTATIONS ARE EXTRA GOOD VALUE:

Kentias==Latantias

Varieties	Size Pot	Height Inches	No. Leaves	Per Each	Per Doz.	Per 100
Kentia Belmoreana	2 1/2	8 to 9	3 to 4	1.50	\$12.00	\$100.00
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15.00	150.00
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25	3.00	180.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	300.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00
Kentia Belmoreana	5	18 to 24	5 to 7	1.00	12.00	90.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	125.00
Kentia Belmoreana	6	26 to 28	6 to 7	1.50	18.00	180.00
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00
Kentia Belmoreana	8	42 to 48	6	3.25	39.00	300.00
Kentia Forsteriana	2 1/2	8 to 9	3 to 4	1.50	12.00	100.00
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15.00	150.00
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00
Kentia Forsteriana	4	14 to 16	5 to 7	.40	4.00	30.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	60.00
Kentia Forsteriana	5	22 to 26	5 to 6	1.00	12.00	90.00
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	125.00
Kentia Forsteriana	6	30 to 34	6 to 7	1.50	18.00	180.00
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00
Latania Borbonica	2 1/2	3		.60	5.00	40.00
Latania Borbonica	3	12	5 to 6	1.00	8.00	75.00
Latania Borbonica	3 1/2	12 to 15	5 to 6	.15	1.50	12.00
Latania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00
Latania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00
Latania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00
Latania Borbonica	6	24 to 30	6 to 8	.75	9.00	
Areca Lutescens	2 1/2	5 to 6	3 plants in pot	1.00	8.00	
Areca Lutescens	3 1/2	12 to 14	3	2.00	15.00	
Areca Lutescens	4	15 to 18	3	.25	3.00	25.00

..Asparagus..

	Size Pot	Doz.	Per 100
Asparagus Plumosus Nanus	3-inch	\$ 1.00	\$ 8.00
Asparagus Plumosus Nanus	4-inch	1.50	12.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	6-inch	5.00	
Asparagus Sprengerii	8-inch	10.00	
Asparagus Tenuissimus	3-inch	1.00	8.00

The several sizes of Asparagus Sprengerii are especially strong and large value.

Miscellaneous.

	Each	Doz.	Per 100
Araucaria Excelsa, 3-inch, nice plants	\$.50		
Araucaria Excelsa, 3 1/2-inch, nice plants	.75		
Araucaria Excelsa, 5-inch, nice plants	1.00		
Pot Height Leaves Each Doz. Per 100			
Ficus Elastica	6 22 to 23 12 to 14	\$.75	\$ 7.20 \$60.00
Ficus Elastica	7 24 to 28 14 to 16		10.00 75.00
Ficus Elastica	8 28 to 34 16 to 18	12.60	100.00
Pandanus Utilis	2 1/2 6 to 8 10 to 12		1.00 8.00
Pandanus Utilis	3 8 to 10 12 to 15		2.00 15.00
Pandanus Veitchii	6 extra fine		18.60
Dracena Terminalis	3 1/2		2.00
Dracena Terminalis	4		4.00
Dracena Terminalis	5		6.00
Cocos Weddelliana	3	.25	2.00 15.00
Phoenix Reclinata	10 40 to 45 6 to 8	3.50	
Phoenix Reclinata	3	4 to 6	1.50 10.00
Phoenix Canariensis	3	4 to 6	1.50 10.00
Aspidistra Lurida	4		3.00
Aspidistra Lurida	5 15 to 20 8 to 12	.50	6.00
Corypha Gebanga	3 12 5 to 6		3.00
Sansevieria Java Var., 2-inch, strong plants		dozen	.60
Sansevieria Java Var., 3-inch, strong plants			1.25
Sansevieria Java Var., 4-inch, strong plants			2.00
Maranta Kerchoviana, 3 1/2-inch			2.00
Zingiber Officinale, Ginger Plant, 4-inch			2.00
Zingiber Officinale, 5-inch			3.00
Curculigo Recurvata, 4-inch			2.00
Curculigo Recurvata, 5-inch			4.00
Cyperus Alteruifolius, 5-inch			1.50
Cyperus alteruifolius, 6-inch			2.00

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Striata	2-inch	.50	4.00
Pteris Tremula	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtomium Falcatum	3-inch	1.00	8.00
Cyrtomium Falcatum	4-inch	1.50	10.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Bostoniensis	4-inch	2.00	15.00
Nephrolepis Bostoniensis	5-inch	3.00	
Nephrolepis Bostoniensis	6-inch	6.00	
Nephrolepis Bostoniensis	7-inch	9.00	60.00
Nephrolepis Cordata Compacta	5-inch	2.00	15.00
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

See opposite page for best introduction of the year.

NEPHROLEPIS WITTBOLDII, strong runners, ready for 3 and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place, CHICAGO, ILL.

GERANIUM AMERICA

A Queen Among Geraniums.

"Plants not one foot high often have a dozen trusses at one time. One of the brightest, cheeriest varieties in the whole Geranium family."—Eben E. Rexford, in Vick's Magazine, May, 1900.

Strong Plants, \$8 per 100, 25 at 100 rate. Ready now.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the American Florist when writing.

CARNATION PLANTS.

SPECIAL PRICE TO CLOSE OUT. Strictly first-class stock.

WHITE CLOUD, Flora Hill, Evanston, Wm Scott, Portia and Victor, \$3 per 100; \$25 per 1000.

A. G. PRINCE & CO., 76 & 78 Wabash Av., Chicago

CARNATION PLANTS

ALL SOLD.

Ready to book your orders for Rooted Cuttings of all the leading varieties, for spring delivery. Let me quote you prices before placing your orders.

Wm. Murphy, Wholesale Carnation Grower, Sla. F. CINCINNATI, OHIO.

Please mention the American Florist when writing.

4000 FIELD-GROWN

Carnation Plants

Argyle and Pingree, \$2 per 100.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

Carnation Plants.

Fine field-grown plants: Flora Hill, Scott, Lizzie McGowan, Evanston, Albertini, Firefly, \$3.50 per 100.

PLUMOSUS, fine 3-in. stock, \$5.00 per 100.

CASH WITH ALL ORDERS, PLEASE.

VAN WERT GREENHOUSES, Van Wert O.

Herr's== Pansies

ALWAYS THE BEST AND BETTER YEAR.

Can take no more orders for delivery before November 15th.

Price 75c per 100 free by mail.

\$4 per 1000 by express at your expense.

Write me for prices on CARNATION CUTTINGS. I have fourteen houses of Stock Plants.

AGERATUM "Stella Gurney" ready now either from pots or rooted cuttings, by the 100 or 1000.

ALBERT M. HERR LANCASTER, PA.

Hardy Herbaceous

AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.

The Blue Hill Nursery, So. Braintree, Mass.

CORRESPONDENCE SOLICITED.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Geo. Wittbold; His Fern.

Nephrolepis ...Wittboldii

is the only production of a long life among decorative plants which has been deemed worthy of dissemination under the family name. This is a credit to it. It is the equal and we think the superior of the Boston Fern and we are offering it with the firm conviction that within a comparatively brief period it will be more in demand than that justly popular variety which is now an indispensable part of every florist's stock. We pin our faith in

NEPHROLEPIS WITTBOLDII.



GEORGE WITTBOLD.

Nephrolepis ...Wittboldii

possesses all the points of excellence of the Boston Fern and out-classes it in many respects. It has the same robust growth and the enduring qualities of a house plant and in addition it has a wider, heavier, handsomer frond and the pinnae are undulated, curled, crinkled in a most distinct and attractive fashion. It propagates with great rapidity. We have grown this for several years and are sure that every grower will shortly confirm our faith in the money making quality of

NEPHROLEPIS WITTBOLDII.

**N
E
P
H
R
O
L
E
P
I
S**



**W
I
T
T
B
O
L
D
I
I**

Nephrolepis Wittboldii. Strong Runners, ready for 3-in. and 4-in. pots,
\$1 each; \$10 per dozen; \$75 per 100.

SEE OUR LIST OF WELL-GROWN STOCK ON THE OPPOSITE PAGE.

THE GEO. WITTBOLD CO.,

PALMS AND FERNS,

1657 Buckingham Place,

CHICAGO, ILL.

STOCK PLANTS

PRIZE WINNING CHRYSANTHEMUMS

The very best to date.

NEW GERANIUMS Best Bedding and Pot Varieties.....

LIST OF VARIETIES AND PRICES ON APPLICATION.

NATHAN SMITH & SON, Adrian, Mich.

GRAND OFFER, FINE PLANTS, NONE BETTER.

ARECA LUTESCENS.

Size pot.	Height.	Each.	Doz.
3-inch	12 inch	.20	\$2.00
4-inch	18 3 in pot	.30	3 50
5-inch	20 to 24	.60	
6-inch	21 to 30	1.00	
8-inch	36	2.50 to 3.00	

KENTIA BELMOREANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	12 inch	\$.20	\$ 2.00	\$12.00
4-inch	5 to 6	15	.50	5.50	
5-inch	6 to 7	18	.75	8.50	
6-inch	8 to 9	20	1.00	12.00	
6-inch	8 to 10	24	Fine bushy plants, \$2.00 ea.		
6-inch	7 to 8	30	2.50 ea.		
6-inch	7 to 8	36 to 40	3.00 ea.		
7-inch	7 to 8	44 to 48	4.50 ea.		

KENTIA FORSTERIANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	9 to 10	\$.30	\$ 3.00	\$25.00
4-inch	4	15 to 18	.40	4.00	
6-inch	5	24	1.00	10.50	
6-inch	5	36	1.50	18.00	
6-inch	5 to 6	40	2.75	30.00	

LATANIA BORBONICA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	5 to 6	12 inch	\$.25	\$ 1.50	\$12.00
4-inch	5 to 7	15 to 18	.35	3.00	20.00
6-inch	6 to 8	24 to 30	1.00	12.00	
6-inch	6 to 8	30	1.50	18.00	
6-inch	7 to 8	30	2.00	bushy	

COCOS WEDDELIANA.

Size pot.	Height.	Each.	Doz.	100
4-inch	12 to 14	\$.25	\$2.50	\$20.00

PANDANUS VEITCHII.

Size pot.	Each.	Doz.
5-inch	\$.75	\$ 9.00
6-inch	1.00	12.00

BOSTON FERNS.

Size pot.	Each.	Doz.	100
3-inch	\$.20	\$ 2.00	\$15.00
4-inch	.35	4.00	
5-inch	.40	4.50	
6-inch	.75	9.00	
7-inch	1.00	12.00	
8-inch	1.50	18.00	
9-inch	2.00	24.00	

FICUS ELASTICA.

Size pot.	Height.	Each.	Doz.
6-inch	24 to 30	\$.50	\$6.00
6-inch	24 to 30	.75	9.00
8-inch	48	1.50 to 2.00	

REX BECONIAS.

Size pot.	Each.	Doz.	100
3-inch	\$.10	\$1.20	\$6.00
4-inch	.15	1.75	12.00

ASPARACUS SPRENCERII.

Size pot.	Each.	Doz.	100
3-inch	\$.60	\$ 5.00	
6-inch	4.00	25.00	

DRACENA INDIVISA.

5-inch	\$.35	\$ 4.00	\$25.00
Dracena Brantii	1.50	18.00	
Dracena Massangeana	2.00	24.00	
Dracena Lindenii	1.50	18.00	
Dracena Terminalis	.50	6.00	
Small Ferns, Adiantum Cuneatum, 3-in. pot	\$6.00		
Mixed Ferns, 3-in. pots	\$6.00 per hundred.		
Cyprus Alternifolius, 3 in. pots	\$3.00 per hundred.		
Hydrangea Otaksa, 6-in. pots	\$10.00 per hundred.		
Extra fine, for Easter forcing.			
Jerusalem Cherry, nicely berried, 6-in. pots, bushy	35c each.		

TO CLOSE. NOTE THE PRICE. ALL AT STOCK. TRUE TO NAME.

Brides, 3-inch pots, 600.....\$1.50 per hundred	Bridesmaid, 3 1/2-inch pots, 400.....\$1.50 per hundred
" 2 and 2 1/2-inch pots, 1000.....1.00 "	Meteors, 3-inch pots, 1400.....1.25 "
Golden Gate, 2 1/2-inch pots, 1100.....1.25 "	

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

Latania Palm Plants

Pots.	Plants to pot	Leaves	Per doz.
6-in.	1	20 to 22-in. high 6 and 7	\$ 8.00
6-in.	2	20 to 22 "	9.00
6-in.	3	20 to 22 "	12 to 14 12.00
7-in.	1	2 ft. ht. & diam. 7 to 8	12.00
7-in.	2	" " 10 to 12	15.00
7-in.	3	" " 12 to 16	18.00
8-in.	1	2 1/2 " " 8 to 9	18.00
8-in.	2	2 1/2 " " 15	20.00
8-in.	3	2 1/2 " " 18 to 20	24.00

Ficus Elastica, 6-in. pots, 2 1/2 ft. high, 16 to 20 leaves, \$9.00 per doz., \$65.00 per 100.

Pandanus Veitchii and Croton Plants, prices on application.
J. WM. COLFLESH, 53d & Woodlawn, W. Phila, Pa.

CHRYSANTHEMUMS. STOCK PLANTS

New and standard varieties. Send for list. Early varieties ready now.....

CARNATIONS—Field-grown plants all sold. Orders booked now for rooted cuttings of Genevieve Lord, the finest commercial pink to date. Ready Jsn. 1st. \$5 per 100; \$40 per 1000.

Correspondence with large growers especially invited.
H. WEBER & SONS, Oakland, Md.

BOSTON FERN ...A... SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Seen by New Firms:
AMERICAN FLORIST ADVTs.

SELECTED GALAX LEAVES

.....NO TRASH.....

CHARLES H. RICKSECKER - LINVILLE, N. C.

Violets.

A few clumps of PRINCESS OF WALES left, \$5.00 per hundred.

Acalypha Sanderi.

2 1/2-inch.....\$3.00 per hundred.

The CONARD & JONES COMPANY, West Grove, Pa.

We are booking orders for Rooted Cuttings of

CARNATIONS,

All the best varieties. Write us.
GEO. HANCOCK & SON, Grand Haven, Mich.

MONEY IN VIOLETS.

Practice the methods of culture and marketing explained in Professor Galloway's book

Commercial Violet Culture,

224 pages, elegantly printed and illustrated. Price, postpaid, \$1.50.

COMMERCIAL PLANTS, G. W. OLIVER.....\$1.00
WATER GARDEN, WM. TRUCKER.....2.00
RESIDENTIAL SITES AND ENVIRONMENTS,
J. F. JOHNSON.....2.50

Send for catalogue of other trade books.

A. T. DE LA MARE PRINTING & PUB. CO., Ltd.
P. O. Box 1697, NEW YORK.

Please mention the American Florist to our advertisers.

SPECIAL OFFER OF PALMS

Varieties enumerated below are such that are in stock in large quantities and of special good value. For complete list of varieties see our current Trade List.



KENTIA BELMOREANA.

ARECA LUTESCENS.		Per doz.	Per 100	Per 1000
3	inch pots, 2 plants in a pot, 12 to 15 in. high.....	\$ 1.25	\$ 10.00	\$ 90.00
4	" " 3 " " " 15 in. high.....	3.00	25.00	200.00
5	" " 3 " " " 18 in. high.....	5.00	30.00	325.00
6	" " 3 " " " 20 in. high.....	9.00	75.00	
6	" " 3 " " " 24 in. high.....	12.00	100.00	

A grand lot of specimens in 14 inch pots, about 8 feet high, bushy and perfect, \$25.00 each.

KENTIA BELMOREANA.		Per doz.	Per 100	Per 1000
2 1/4	inch pots, 3 to 4 leaves, 8 in. high.....	\$ 1.50	\$ 12.00	\$100.00
3	" " 4 to 5 " " 12 in. high.....	3.00	25.00	200.00
6	" " 6 " " 24 in. high.....	15.00	125.00	
6	" " 6 to 7 " " 26 to 28 in. high.....	18.00	150.00	
7	" " 6 to 7 " " 30 to 36 in. high.....	30.00	250.00	

KENTIA FORSTERIANA.		Per doz.	Per 100	Per 1000
2 1/4	inch pots, 3 leaves, 8 in. high.....	\$ 1.50	\$ 12.00	\$100.00
3	" " 4 " " 12 in. high.....	2.50	20.00	180.00
4	" " 4 to 5 leaves, 15 in. high.....	4.00	30.00	280.00
6	" " 5 leaves, 24 to 28 in. high.....	12.00	100.00	
6	" " 6 " " 30 in. high.....	15.00	125.00	
6	" " 6 " " 30 to 36 in. high.....	18.00	150.00	
7	" " 6 to 7 leaves, 30 to 36 in. high.....	2.00 each	24.00 dozen	
7	" " 6 to 7 " " 36 to 42 in. high.....	2.50 "	30.00 "	
9	" " 7 leaves, 54 to 60 in. high.....	7.50 "		

Large Decorative Plants \$10.00, \$15.00, \$20.00, \$25.00, \$30.00 and \$50.00 each.

LATANIA BORBONICA.		Per doz.	Per 100	Per 1000
2 1/4	inch pots, 3 leaves.....	\$ 0.60	\$ 5.00	\$ 40.00
3	" " 5 " " 12 in. high.....	1.00	8.00	75.00
4	" " 5 " " 12 to 15 in. high.....	2.50	20.00	175.00
5	" " 5 " " 15 in. high.....	4.00	30.00	
6	" " 5 to 6 leaves, 15 in. high.....	6.00	50.00	
6	" " 5 to 6 " " 15 to 18 in. high.....	9.00	75.00	

PANDANUS UTILIS.		Per doz.	Per 100	Per 1000
2	inch pots, fine young stock.....	\$0.75	\$6.00	\$50.00

PANDANUS VEITCHII.		Per doz.	Per 100	Per 1000
Grand plants, 6 in. pots.....		\$12.00	\$100.00	

Also a full line of all other Decorative Plants such as Ferns, Araucarias, Ficus, Bay Trees, etc., etc.

FIVE REASONS Why You Should Place Your Orders for . . . AZALEAS

With Us at Once

BECAUSE You can still take advantage of the mild weather, and have the plants come through safely by freight.

BECAUSE We are the largest buyers of Azaleas in the world, and make personal inspection of the stocks before they are shipped to us, and buy for spot cash, which enables us to secure the lowest prices, and you the benefit in quality of the plants.

BECAUSE Our importations are all repacked at our own nursery. Plants that have suffered in transit, and which are not well set with buds being discarded, you receive nothing but first-class stock, which is certain to give satisfaction.

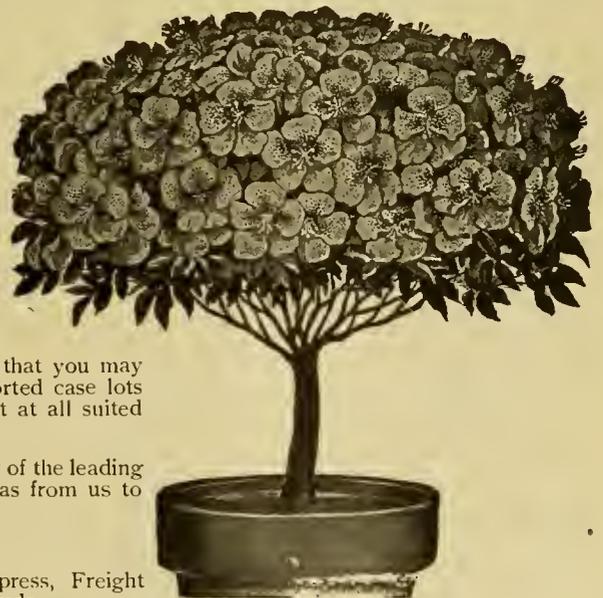
BECAUSE We can give you any special assortment of varieties that you may wish. This is a great advantage over the usual assorted case lots sent over from Belgium, which invariably contain many varieties not at all suited to the American market.

BECAUSE We wish to convince you, as we have convinced many of the leading florists of the United States, that you can buy Azaleas from us to better advantage than if you make your own importations.

...PRICES...

Include duty, packing and delivery in good condition to any Express, Freight or Steamship Line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter.....	per doz., \$ 4.50; per 100, \$ 35.00
12 to 14 " " ".....	6.00 " 45.00
14 to 16 " " ".....	7.50 " 55.00
16 to 18 " " ".....	12.00 " 90.00
18 to 20 " " ".....	25.00 " 200.00
20 to 24 " " ".....	36.00 " 300.00



SPECIMEN AZALEA

REMEMBER we are Headquarters for Hardy Perennials. Our list is the most complete in this country, offering all the good, new and old varieties. Your customers are interested in this class of plants and if you have not secured a supply we shall be pleased to quote special prices on large quantities.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA,

CHOICE STOCK, LOWEST PRICES.

ROSES—A fine lot of Brides and Maids, strong 3-in., and 2½-in. Perle, \$2.00 per 100 to close out.
CARNATIONS—500 strong McGowan from field, \$2.00 per 100 to close out.
COLEUS—Our champion collection, latest and choicest varieties only. Strong 2-in., \$2 per 100.
NEW AGERATUMS—Louise Bennett, the latest novelty in white. Rooted cuttings, 75c per 100. Princess Pauline, light blue, rooted cuttings, 50c per 100.
ALTERNANTHERAS—Bright red, variegated and yellow, 50c per 100, \$4.00 per 1000. Special low price for two weeks only.
SALVIA SPLENDENS—Best of All, rooted cuttings, 75c per 100 (special) for ten days.
ASPARAGUS SPRENGERII—XX strong 3 in., ready for 4-in., 4c; strong 2½-in., ready for 3-in., only 2½c (special).
GERANIUMS—Branti and Heteranthe, the two best scarlets; rooted cuttings, \$1.25 per 100, \$10.00 per 1000 (special). Mme. Salleroi, strong 2-in., 2½c.
SMILAX—Strong 2-in., \$1.25 per 100.
VINCAS—Strong clumps from field, \$2.00 per doz.
 CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

CALADIUMS Fancy leaved, 40 named sorts.
 Per 100 Per 1000
 Dry bulbs, 1½ to 2½-in. \$10.00 \$90.00
 Dry bulbs, 1 to 1¼-in. 8 00 70 00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in. \$30.00

PHENIX CANARIENSIS & TENUIS, Very stocky.
 3-4 characterized leaves, 15-18-in. 15.00
 4-5 " " 20-24 " 25.00
 5-6 " " 24-30 " 40.00

PHENIX RECLINATA, 3-4 characterized leaves, 15-18-in., very stocky 25.00

LATANIA, 4-5 characterized leaves, 18-20-in. 25.00

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in. 12.00

Not less than 50 at above rates. Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.

SOME PLANTS YOU WANT.

20,000 Pansy Plants to grow for bloom, 20 levs., \$1.00
 Coleus, 10 varieties named 2½-inch, 1.50
 20,000 Alternantheras, bushy 2½ " 1.50
 Salvia Dwarf Clara Bedman 2½ " 1.50
 Smilax 2½ " 1.50
 Begonias, flowering, mixed only 2½ " 1.50
 3 000 Sedum Variegatum 2½ " 1.50
 5,000 Cigar Plant, fine 2½ " 1.50
 California Moss, basket plant 2½ " 1.50
 Asparagus Plumosus Nanus 3 " 5.00
 Boston Fern, true 3 " 5.00

5 Plants at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

Please mention the American Florist when writing.

Violets MARIE LOUISE.

2000 strong, healthy plants, from 3-in. and 4-in. pots, \$25 per 1000.

E. M. & H. N. HOFFMAN, ELMIRA, N. Y.

PRIMROSES.

Chinese, large flowering, 2-in. pot \$1.25
ASPARAGUS Sprengerii, 2-inch pots 2.50
 " Plumosus, 2-inch pots 3.50

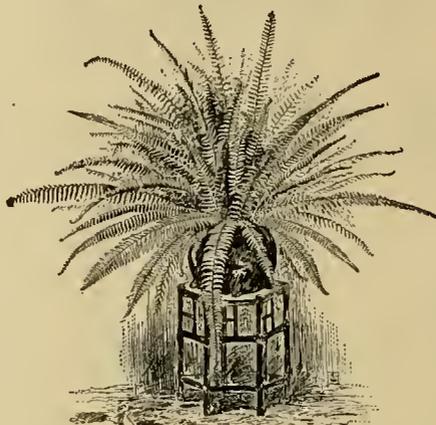
CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

BOSTON FERN, 7 and 8-in. pans \$12 and \$15 per doz.
GERANIUMS, S. A. Nutt and others, 3-in., \$4 per 100.
NEP. CORDATA COMPACTA, 3-in., \$5.00 per 100; 6-in., \$20.00 per 100.
ASPARAGUS PLUMOSUS, 2½-in., \$5 per 100, \$40 per 1000.
ASPARAGUS SPRENGERII, 2½-inch, \$4.00 per 100; \$30.00 per 1000.
SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. Carl Hagenburger, W. Mentor Ohio.

CHEAP TO CLOSE OUT.



Boston Ferns, the true variety, from 2½-in. pots, \$3 per 100, \$25 per 1000. Don't be afraid that our stock of Boston Ferns will run out. We have sold 75,000 the past six weeks, but still have 125,000 fine plants on hand. Better buy now, as price is sure to advance.

Asparagus Sprengerii, from 2½-in. pots, \$2.50 per 100, \$20 per 1000.

Acalypha Sanderi, from 2½-in. pots, five plants, \$3 per 100, \$25 per 1000.

Acalypha Sanderi, from 3-in. pots, atong plants, \$5 per 100.

Crotons, 12 heat bedding varieties, from 2½-in. pots, elegant plants, \$3 per 100, \$25 per 1000. These will be fine to shift on for next year's bedding.

Ponderosa Lemon, largest Lemon grown, bears fruit weighing two pounds and over, and fruits when quite small. Is bound to become a popular plant. Fine plants from 2½-in. pots, \$1 per doz., \$7 per 100. Extra strong plants ready to bloom at once, \$1.50 per doz.

Calla Lilies, 1¼ to 1½-in. diameter, 75c per dozen, \$5 per 100.

Calla Lilies, 1½ to 1¾-in. diameter, \$1.25 per dozen, \$7 per 100.

The two new **Russelias**, **Lemoinei Mulliflora** and **Lemoinei Elegantiissima**, 50c per doz., \$3 per 100.

Bougainvillea Sanderiana, from 2½-inch pots, \$6.00 per 100, \$60.00 per 1000.
Weeping Lantanas, 2½-inch pots, \$2.00 per 100, \$18.00 per 1000.
Otaheite Orange, from 2½-inch pots, \$3 per 100, \$25 per 1000; from 3 in. pots, \$1.50 per 100, \$40 per 1000.
Ficus Elastica, perfect specimens of this fine Rubber Plant, 15 to 18 in. high, \$3.25 per doz., \$25 per 100.
Araucaria Excelsa, Norfolk Island Pine, fine plants with four tiers of leaves, \$1 each, \$10 per doz.
Marechal Niel Rose, 15 inches and over in height, healthy plants \$1 per 100, \$35 per 1000.
Roses all the leading varieties of Teas from 4-inch pots, fine plants in perfect health, \$3 per 100. All the leading varieties of Hybrid Teas from 4-inch pots, elegant stock, \$10 per 100.

Send us your list of Roses for quotation. We have 2,000,000 plants in stock. Our Fall Trade List of all kinds of Roses, Plants and Bulbs now ready. Write for it.

The GOOD & REESE CO., LARGEST ROSE GROWERS IN THE WORLD, Springfield, O.

NOVELTIES.

New Daisy Rose SNOWFLAKE

See illustration in American Florist of September 15th.

\$3.50 per 12, \$15 per 100. Always in bloom.

New Rose "Little Darling" or 1000 Blossoms, 75c per 12; \$6.00 per 100.
Jack-and-the-Bean-Stalk Vine (Kudzu), \$1.00 per 12; \$7.00 per 100.
Climbing Lily of the Valley (Salpichroa), 75c per 12; \$5.00 per 100.
Lace Fern, fronds last four weeks and over, 75c per 12; \$5.00 per 100.
Boston Fern, 2½-inch, 60c per 12; \$4.00 per 100; larger all prices.
Baby Primrose, 60c per 12; \$1.00 per 100. **Easter Primrose** same price.
Bougainvillea, fine, 4-inch pots, \$10.00 per 100. **New Ruellia**, 50c per 12.

New Pink Sweet Scented Astibie Chinense, very fine for forcing. Large clumps, \$10.00 per 100; \$1.50 per 12. Smaller, half price.

New Deutzias, Lemoine's three latest novelties, \$1.00 per 12; \$7.00 per 100.

New Russelias, extra fine for Christmas, 60c per 12; \$4.00 per 100.

Grand Crimson Passion Flower, variegated leaves, \$1.00 per 12.

Cyperus Gracilis, heat for jardineres, 50c per 12; \$3.00 per 100.

Asparagus Sprengerii, over 10,000 in stock. Extra strong 2½-inch, ready for 3½-inch, \$5.00 per 100; 75c per 12; 3½-inch, ready for 5-inch, \$8.00 per 100; strong 5-inch, \$2.00 per 12; 6-inch, \$3.00 per 12.

GALLAS, Little Gems, \$3.00 per 100. Spotted Leaf, \$2.00 to \$4.00 per 100. Yellow Callas, \$3.00 per 12. Fragrant Calla, \$1.50 per 12.

Amaryllis, 500 sorts. **Cannas**, 200 sorts. **Dahlias**, 500 sorts.

A. BLANG & CO., Philadelphia, Pa.

HEACOCK'S PREMIUM PALMS.

		ARECA LUTESCENS.	
3 plants, 6-inch pot,	24 to 28 inches.	.....	\$12.00 per dozen; \$100.00 per 100
3 " " 8 " "	36-inch, fine.	.....	\$3.00 each
		COCOS WEDDELIANA.	
1 plant, 2½-inch pot,	8 to 10 inches high.	.....	\$15.00 per 100
1 " " 3 " "	10 to 12 " "	.....	20.00 per 100
1 " " 4 " "	18 inches high.	.....	\$ 5.00 each
3 " " 5 " "	18 " "	.....	1.00 " "
		KENTIA BELMOREANA.	
4-inch pot,	5 to 6 leaves, 15 inches high.	.....	\$ 4.50 per dozen; \$ 35.00 per 100
6 " " 6 " "	" " 24 " "	.....	15.00 " "
8 " " 6 to 7 " "	" " 30 to 32 inches high.	.....	\$3.00 each.
		KENTIA FORSTERIANA.	
4-inch pot,	4 to 5 leaves, 15 inches high.	.....	\$1.50 per dozen; \$35.00 per 100
6 " " 5 " "	" " 24 to 28 inches high.	.....	\$1.00 each; \$12.00 per dozen
6 " " 5 to 6 " "	" " 30 " "	.....	1.25 " 15.00 " "
8 " " 6 " "	" " 36 to 40 " "	.....	3.00 " 36.00 " "
8 " " 6 " "	" " 48 to 50 " "	.....	4.00 " 48.00 " "

JOSEPH HEACOCK, Wynote, Pa.

Please mention the American Florist when writing.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
 Orchid Growers and Importers.

SPECIALTIES IN BEST ...VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
WOOD BROTHERS, FISHKILL, N. Y.

Prices low. Send for list.

Three Silver Medals in Three Weeks



MASSACHUSETTS.



PENNSYLVANIA.



NEW YORK.

AWARDED TO THE NEW ROSE—

QUEEN OF EDGELY===PINK AMERICAN BEAUTY

Also the following certificates—Highest award possible for a new rose.

CERTIFICATE OF MERIT
AMERICAN ROSE SOCIETY.

Read
the
Report

CERTIFICATE OF MERIT
SOC. OF AMERICAN FLORISTS

Of the Judges appointed by the PHILADELPHIA FLORISTS' CLUB to examine this Rose:

"WE ARE CONVINCED THAT THIS VARIETY IS A VALUABLE ADDITION TO THE LIST OF FORCING ROSES, BEING IN EVERY RESPECT, EXCEPT COLOR, THE EXACT COUNTERPART OF THE AMERICAN BEAUTY. THE COLOR IS A BEAUTIFUL BRIGHT PINK, WHICH IS GOOD, EVEN IN THE FULL FLOWERS. THE FRAGRANCE IS ALSO AS FINE AS THAT OF BEAUTY, AND THE EXHIBITED BLOOMS SHOWED REMARKABLE VIGOR.

(Signed.)—ROBERT KIFT,
WM. MUNRO,
JOS. HEACOCK.

Plants ready for distribution April, 1901. For terms and booklet, address,

OR....
R. CRAIG & SON, Eastern Agts.,
49th and Market Sts., Philadelphia.
E. G. HILL & CO., Western Agts.,
Richmond, Ind.

THE FLORAL EXCHANGE, Inc.,
335 North 6th Street,
PHILADELPHIA, PA.

THE "QUEEN" WILL BE SHOWN AT ALL EXHIBITIONS
THROUGHOUT THE COUNTRY—IN NOVEMBER.

Nashville.

SHOW WINDOWS BRIGHT WITH GOOD CHRYSANTHEMUM BLOOMS.—GOOD SALE FOR STOCK AT SATISFACTORY PRICES.

Florists' windows are now gorgeous with chrysanthemums, which are in full bloom. There seem to have been a large quantity grown and of remarkable size and quality. There has been a good demand and the prices have been very satisfactory. The white varieties predominate, while a few pink and fewer bronze sorts are noted. The yellow kinds are just beginning to show. Some good plants are in the market, too, and bring good prices, although none of the florists have grown the fancy plants of a few years ago. While not quite so showy, the plants of the present season are much more satisfactory than the fancy stock in point of profit. Violets are coming in abundantly and the prospects are fine for a great profusion through the season. Roses continue to improve in quality and are now coming on in good sizes. Some very pretty specimens of Golden Gate have been shown by one of our florists.

M. C. DORRIS.

Des Moines, Ia.

FALL SEASON BACKWARD.—PROSPECT OF GOOD BUSINESS.—A NEW RETAIL STORE.

The season is very backward and business is unusually slow in opening because of the warm weather. Stocks have not looked so well in this vicinity for several seasons and the prospects are for a good winter's business.

W. L. Morris has just opened a new store, having removed from 516 Walnut street to 609 on the same thoroughfare. The room is commodious and contains all the devices necessary for a thoroughly up-to-date retail business. The decorations are in white and gold.

M.

100,000
Carnation Plants

Large, Healthy, Field-Grown Plants.

	Per 100	Per 1000
WM. SCOTT.....	\$2.50	\$20.00
LIZZIE McBOWAN.....	2.50	20.00
EVELINA.....	2.50	20.00
ARMAZINDY.....	2.50	20.00
NIVEA.....	2.50	20.00

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

Field-Grown CARNATIONS

GEN. GOMEZ, MRS. BRADT and GLACIER, strong stock, \$6.00 per 100. PINGREE and ARGYLE, \$4.00 per 100.

ASPARAGUS SPRENGERII Strong stock.	2-inch.....	\$3.00 per 100
	3-inch.....	4.00 per 100
	3½-inch.....	6.00 per 100
	4-inch.....	10.00 per 100

F. DORNER & SONS CO.,
LA FAYETTE, IND.

WHERE TO BUY HOLLY

Place your order with PULLEN. Place it now for the very best grade of bright green foliage, well berried, fresh from the swamps.

HOLLY WREATHS. Only first-class materials used—fresh green leaves plentifully clustered with berries. In ordering be sure and state size wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

NURSERY STOCK. All varieties of fruit—Peach, Pear, Apple, Plum, Cherry, Apricot, Quince—every one warranted true to name. Have an extra fine block of Japanese Plum.

PLANTS. Can furnish anything you wish in plants. **GOODS ARE THE BEST. PRICES ARE LOW.**

Write for Particulars.

W. W. PULLEN, Nurseryman and Fruit Grower, MILFORD, Del.

HOLLY

EXTRA FINE

Cut Palm Leaves
Wild Smilax
Long Needle Pines

WRITE FOR PRICES ON HOLLY DELIVERED AT YOUR DOOR, 60 POUND CASES.

A. R. CARTER & CO.,
EST. 1885,
EVERGREEN, ALA.

Selected Wild Smilax

50 lbs. net weight, \$2.00 per case; 30 lbs net weight, \$1.50 per case.

Magnolia Foliage, very fine in decorations, same price as Wild Smilax.

Leucothoe Sprays, \$3.00 per 1000.

Fresh cut Fern Leaves, \$1.00 per 1000.

Write for prices on All Holly.

Cash with order from unknown correspondents.

EVERGREEN FLORAL CO., Evergreen, Ala.

Southern Wild Smilax

\$2.00 per 60 pound Case.
\$1.25 per 30 pound Case.

Discount to wholesale dealers. Cases lined with a fine quality lining paper to protect from heat or dirt. Thoroughly packed with Extra Selected stock, and weighs 60 and 30 pounds, but are shipped at 50 and 25 pounds. Express Rates 25 per cent less than merchandise rate.

Telegraphic orders given prompt attention.

Address R. A. LEE, Evergreen, Ala.

TERMS: Cash with order, C. O. D. or check on receipt of goods.

FINE Bays

Pyramids and Standards.

Specimen Rhododendrons for Forcing,
Adiantum Farleyense, ^{cut or} _{in pots:}
Azaleas, Ficuses, Acacias,
Araucarias, Boston Ferns,
Small Ferns,
Fine cut Fronds of Adiantum tenerum,
Lorraines.

Edgar, WAVERLEY, MASS.

	Per 100
Chinese Primula, 2-in.....	\$2.00
Obconica Grandiflora, 2-in.....	2.00
Baby Primrose, 2½-in., full of bloom.....	2.00
Browallia Gigantea, 2½-in.....	3.00
Cineraria, from flats.....	1.00
Calceolarias, from flats.....	1.00
25,000 Cannas, in leading sorts	1.50

ALFRED H. WALKER,
QUEENS, L. I., N. Y.



FOR THANKSGIVING DAY

A rate of one fare and a third for the round trip has been authorized to points within 150 miles, on the Nickel Plate Road, Chicago Passenger Station, Van Buren St. and Pacific Ave., on the Loop. City Ticket Office 111 Adams St.

Geranium Novelties

For 1900.

The Finest Collection in America.



- A Set of Selected DOUBLE BEDDERS,
SINGLE BEDDERS,
FANCY DOUBLES and
MAMMOTH FANCY SINGLES,
- A Striking Set of IVY-LEAVED VARIETIES.
- A full Line of the Introductions of 1899 in all
the above Sections.
- A full Line of Selected STANDARD BEDDERS
- A fine Collection of Fancy PELARGONIUMS.

Begonia Gloire de Lorraine.

THE LARGEST STOCK IN THE COUNTRY,
IN PERFECT CONDITION.



SPECIMEN PLANTS

Ready at Thanksgiving and Christmas.



In 8 and 6 inch Pans, and 6, 5 and 4 inch Pots.

Grown at moderate temperature, well hardened off, perfect in shape, in splendid condition, covered with bloom.

WRITE FOR PRICES.



A Fine Stock of the New Orchid Flowered
Ivy-Leaved Pelargonium LEOPARD.

If you wish to be with the Leaders in Bedding Plants, order your Stock from

THE COTTAGE GARDENS, QUEENS, L. I.

C. W. WARD, Manager.

Begonias Gloire de Lorraine



BOTH the original variety and the newer one with delicate pink flowers. The most meritorious winter blooming plant ever introduced. We have them in all sizes, from healthy young plants in thumb pots to grand specimens in 8-inch pots. Every plant, both small and large, will be in full bloom for Christmas. Some of our best plants sold at retail at Philadelphia last Christmas at \$8.00 each.

PRICES FOR NOVEMBER WILL BE AS FOLLOWS:

Light Pink Lorraine

8	-inch Pot Plants	\$2.50 each,	\$25.00 per dozen	
6	" "	1.50 "	15.00 "	
4	" "	1.00 "	10.00 "	
2½	" "	.50 "	5.00 "	\$40.00 per 100

Dark Pink Lorraine 50 per cent. less than above prices.

EDWIN LONSDALE
WYNDMOOR P. O., PENNSYLVANIA
NEAR PHILADELPHIA

--Herr's-- Carnations

Ethel Crocker

Absolutely the best pink Carnation ever offered the trade, a claim that can be proven in almost every city of the United States this winter. I have about 10,000 plants from which to take cuttings and can assure you first-class stock in every particular. \$5.00 per 100, \$10.00 per 1000. Orders booked prior to December 1 will be given the advantage of a discount. Send for list of new and standard Sorts. Every cutting sent out will not only be rooted but it will be full of roots.

Ageratum Stella Gurney

The best of all Ageratums and the ideal plant for blue effects in bedding. True blue, neat in grown and always in bloom. 5000 from rose pots ready for immediate delivery. Free by mail, 75c per dozen. By express at your expense, \$5.00 per 100 or \$40.00 per 1000.

Bone Meal

The best for all purposes to which a florist puts it, a little high, in price, but none too high, quality considered. \$3.50 per bag of 200 lbs., same rate per ton.

ALBERT M. HERR, LANCASTER, PA.

VEGETABLE PLANTS

CABBAGE—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Field-Grown VINGA VAR. VINES

Per 100
First size, from 4 to 6 long vines to plant.... \$4.00
Large size, " 7 to 10 " " 6.00

*TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 Stata St., WATERTOWN, N. Y.

PANSIES THE JENNINGS STRAIN.

Highest standard plants, finest mixed, 60 cts. per 100 by mail; \$4.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

Grower of The Finest Pansies,
E. B. JENNINGS, Lock Box 254, SOUTHPORT, CONN.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL.
(N. Hancock St.)

Jardinere Ferns,

ELEGANT STOCK,
\$3.00 a Hundred - - \$25.00 a Thousand

Roses for the South,

Varieties most adapted for southern planting. Just the thing you want. Stock A1. Write for prices.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

CARNATIONS.

To close out, Armazindy, Evanston, Dana, Portia and Eldorado, at \$3.00 per 100. All others sold. Good plants. Cash.

DANA R. HERRON, - OLEAN, N. Y.

VINGA MAJOR VARIEGATA, strong field-grown clumps, 8 to 12 vines, 2 to 4 feet long, \$4.00 per 100. CASH.

H. DANN & SON, Westfield, N. J.



Lady Isabel, white; 60c per 100, \$5 per 1000.
Heliotrope, 10 best vars., \$1 per 100, \$8 per 1000.
Daisies, California White, Yellow, Castle Yellow, the only two vars., \$1 per 100, \$8 per 1000.
Carnations, Flora Hill, \$4 per 100, Morello, \$4 per 100.
Verbenas by the car load later on.

THAT CASH PLEASE.

G. HUMFELD, Clay Center, Kes.

Express Prepaid

ON ALL ROOTED CUTTINGS, AND SATISFACTION GUARANTEED.

50,000 Alternantheras, red and yellow, 60c per 100, \$5 per 1000
Ageratum, 4 vars., Princess Pauline, 75c per 100, \$7 per 1000. A new rich blue, a dwarf var., habit like Pauline, a good one; 75c per 100, \$7 per 1000.
Copa's Pet, blue; 75c per 100, \$5 per 1000.
Heliotrope, 10 best vars., \$1 per 100, \$8 per 1000.
Daisies, California White, Yellow, Castle Yellow, the only two vars., \$1 per 100, \$8 per 1000.
Carnations, Flora Hill, \$4 per 100, Morello, \$4 per 100.
Verbenas by the car load later on.

THAT CASH PLEASE.

AZALEAS

Received 20,000 in the best New York market varieties, sizes as follows:

	Per doz.	Per 100	Per 1000
8 to 10.....	\$ 3.50	\$27.50	\$250.00
9 to 11.....	4.10	30.00	285.00
10 to 12.....	4.50	35.00	325.00
12 to 14.....	6.00	42.50	400.00
14 to 16.....	7.50	55.00	525.00
16 to 18.....	12.00	90.00	

Large plants, \$1.25, \$1.50, \$2 and \$3 each.
Also Large Consignment of Palms. Write for sizes and prices.

Cold Storage Valley, Hamburg Pips, case lots of 1000, \$12.50.

Send for our special price list of Bulbs

BOBBINK & ATKINS, Rutherford, N. J.

1/2 MILLION 1/2 Flowering Shrubs.

Leading varieties, ranging from 1 to 3 feet in height and 1 to 4 years in age. Adapted to all locations.

50,000 LARGE FLOWERING SHRUBS, from 4 to 7-ft., bushy, symmetrical, fine and thrifty. Excellent for new places where immediate effect is desired.

BARGAINS in these by the quantity, as land must be cleared.

THE WM. H. MOON CO., Morrisville, Pa....
NURSERIES—30 miles from Philadelphia.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors, a splendid stock of plants well set with buds from 3-inch pots, \$7.00 per 100; \$65.00 per 1000. From 4-inch pots, extra fine, \$1.50 per dozen; \$12.00 per 100.

NEW CROP SEED—Now ready, Album, pure white; Rubrum, dark red; Roseum, bright rose; Picturatum, white claret base; separate, per 100 seeds, \$1.00; per 1000 seeds, \$9.00; mixed, 90c per 100; \$8.00 per 1000.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.



Please mention the American Florist when writing.



GEO. KELLER & SON, MANUFACTURERS OF Flower Pots.

Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, DETROIT, MICH.
Rep. 490 Howard St.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.
Write for price list.
G. HENNEGKE CO., MILWAUKEE, WIS.

ROBT. CRAIG & SON Roses, Palms

and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA PA.

CRYPTOMERIA JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00.
ASPARAGUS SPRENGERII, 2-inch, \$2.50 per 100.
SATISFACTION GUARANTEED.
E. I. RAWLINGS, Quakertown, Pa.

WHILLDIN POTTERY CO.

STANDARD

PHILADELPHIA - PA.

BRANCH WAREHOUSES: Jersey City, N. J.
Long Island City, N. Y.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWANN'S POTTERY MFG CO.,
P. O. Box 78. Minneapolis, Minn.

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

HOTBED, GREENHOUSE, VENTILATOR SASH

GULF CYPRESS BARS,
GREENHOUSE MATERIAL.

Manufactured by **S. JACOBS & SONS,**
Flushing Ave., near Metropolitan Ave., Brooklyn, N. Y.

GLASS

AT WHOLESALE. Catalogue and estimates furnished.

RUSTIC WORK FOR ALL PURPOSES MADE TO ORDER..

In stock, the most extensive variety in the country. of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO.,
19 Fulton Street. NEW YORK CITY.

GARLAND'S IRON GUTTER AND DRIP CONDUCTOR. NO SNOW OR ICE.

Waterway Capacity for 6,000 feet of Glass.
Length of section, 5 ft.; weight, 65 lbs.; carrying capacity, 4070 lbs.

This Gutter will save money in cost of construction as well as in rebuilding.

Parties contemplating using iron gutters will do well to note the wording of Patent No. 616 781, issued to Geo. M. Garland, as published in previous issues.

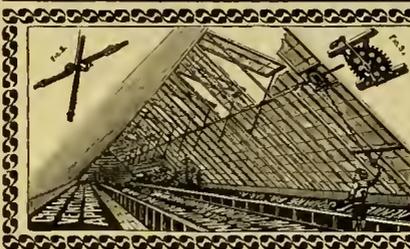
Iron Plate and Drip Conductor for Outside Walls of Disconnected Houses.

GEO. M. GARLAND, - DES PLAINES, ILL.

CYPRESS GREENHOUSE MATERIAL OF EVERY DESCRIPTION

WRITE FOR CATALOGUE

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.



EASY It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.....

THE CHAMPION VENTILATING APPARATUS

Catalogue is free. A postal with your name and address secures it. Address **COOLIDGE BROS., Florists,** So. Sudbury, Mass.

CYPRESS IS MUCH MORE DURABLE THAN PINE.

CYPRESS SASH BARS UP TO 32 FEET IN LENGTH OR LONGER.

GREENHOUSE AND OTHER BUILDING MATERIAL.

Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES." Send for our Special Greenhouse Circular.

THE A. T. STEARNS Lumber Co., Neponset, Boston, Mass.

Please mention the American Florist when writing.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS,
46 Marion St., NEW YORK.

Please mention the American Florist when writing.

IMP

LIQUID PLANT FOOD

For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

BEST AND CHEAPEST ALL-ROUND INSECTICIDE on the Market.

"ROSE LEAF" INSECTICIDE EXTRACT OF TOBACCO

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

Invalid Appliances Co., MANUFACTURERS OF **COLUMBIA PLANT TUBS**

"The Best that ever did start."

If your seedman doesn't handle them, order of us direct.

FACTORY AND OFFICE: 150-160 WOODRUM ST., CHICAGO. TELEPHONE NORTH 815.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO.,
YOUNGSTOWN, O.

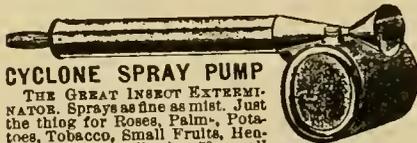
Please mention the American Florist when writing.

Die Bindekunst

Einzige Special Zeitschrift der Welt für **BLUMENBINDEREI.**

Probennummern umsonst. Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,
ERFURT, DEUTSCHLAND.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palm-, Potatoes, Tobacco, Small Fruits, Heurorts, etc. All tin, 50c., all polished copper, \$1.00. Cash with Order. Weighs boxed, about 5 pounds. Buyer pays express. **STEVENS & CO., 107 Chambers St., N. Y. City.**

Please mention the American Florist when writing.

Imported Prepared

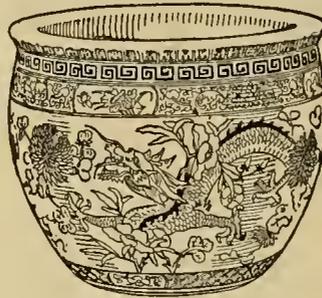
CYCAS LEAVES

LOWEST PRICES.

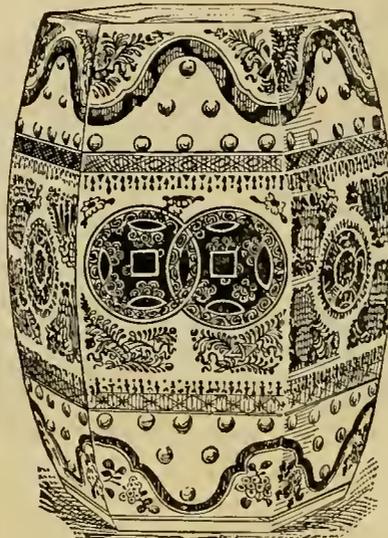
RECEIVING REGULAR SHIPMENTS.

Florida Natural Products Co.,

P. O. Box 273, Indianapolis, Ind.



CANTON CHINA PLANT-POT.



Canton China Hall-Seal or Plant Pot Stand.

PLANT POTS
—AND—
PEDESTALS.

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese Plant Pots or **Jardinières**, selected by our buyers at the places of production in the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to \$150. each.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

Wholesale and Retail.

Jones, McDuffee & Stratton Co.

CHINA, GLASS AND LAMP MERCHANTS,

120 Franklin Street, BOSTON, MASS.

JEROME JONES, Pres. S. P. STRATTON, Tr.as.

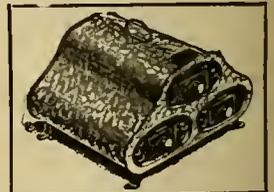
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAMES W. ERRINGER,

Gen. West. Sales Agent,
297 Wabash Ave., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

A. HERRMANN,

Cape Flowers, ALL COLORS.
Cycas Leaves,

Metal Designs, and All Florists' Supplies.

Send for prices.

404-412 East 34th Street,

NEW YORK.

Black Ants

TROUBLE YOU?

My non-poisonous exterminator will take care of them quickly. 65c and \$1.00 postage paid.

GEO. H. RANDALL, WELLINGTON, MASS.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER AND TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

Telephone
HARRISON
... 85 ...



"WE NEVER SLEEP."

The Regan... Printing House

WORK DELIVERED
WHEN ORDERED.

DAY and NIGHT
PRESSROOMS...

CAPACITY:
TWENTY TONS OF
PAPER A DAY.
FORMS CALLED FOR
AND DELIVERED.

NURSERY AND SEED
CATALOGUES.....

87-89-91
PLYMOUTH PLACE
CHICAGO.....



Book, Job  News
Printers....



THE BEST.....

EDITION and PAMPHLET
BINDERY    

TO BE FOUND IN THE
UNITED STATES.



BEFORE AND AFTER ARRANGEMENT OF THE HIGH VASE FLAT NO. 1.

KLOKNER'S PATENT "HIGH VASE FLAT"

It will show up your flowers to their best advantage.

No retail Florist should be without it.

For show windows.

For table centerpiece nothing more elaborate.

For parlor and church decorations the coming article.

Simple and durable, made of iron, oxidized copper finish.



PRICE COMPLETE WITH VASE.

No. 1 Frame, 25-in. high, diameter of Pan 11½ inches, each,	\$ 4.00
No. 2 Frame, 27-in. high, diameter of Pan 13 inches, each,	4.25
No. 3 Frame, 30-in. high, diameter of Pan 13½ inches, each,	4.50
No. 10 Frame, 61-in. high, diameter of Pan 20 inches, each,	10.00
Vase separate to No. 1, 2 and 3.....	each, .50
Vase separate to No. 10.....	each, 1.00

Address **A. KLOKNER,**
MILWAUKEE, WISCONSIN.

Pure Sheep Manure



WE ARE HEADQUARTERS in the Eastern United States for this indispensable fertilizer and can supply it in any quantity immediately on receipt of order. :: We can guarantee as to absolute purity, which is a very important point with users. :: The most effectual, reliable and economical manure for growers of choice plants and cut flowers. :: We are in a position to quote lowest figures per pound, per ton, or per car load.

Also a full line of Plant Stands, Rustic Settees, Fences, Nursery Stock and general horticultural sundries. Send for Catalogue.



DUNNE & CO.

54 W. 30th Street

....NEW YORK

Florists' Supplies AT HALF PRICE!

Write for our Catalogue No. 47, quoting low prices on

LUMBER = GLASS = PIPE = WIRE = HOSE
BOILERS = PAINT = ROOFING
and Supplies of all kinds.

WE HAVE ON HAND at all times BOILER TUBES OR FLUES of a second-hand nature, which we guarantee in first-class condition. They are used extensively by Greenhousemen as Mains for Hot Water Heating and for sundry other purposes.

Write for Quotations.

CHICAGO HOUSE WRECKING CO.,

West 35th and Iron Sts.,

CHICAGO, ILL.

Nikoteen
Aphis Punk
It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required - No heating of irons - No trouble - Cannot injure the most sensitive blooms - Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabcura Dip Co.
St. Louis - Chicago.

Please mention the American Florist when writing.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.		Price per crate	
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20	Price per crate	Price per crate
1500 2 1/2 " " " 6.25	80 8 " " " 3.00		
1000 3 " " " 6.00	48 9 " " " 3.80		
800 3 1/2 " " " 5.00	48 10 " " " 4.80		
600 4 " " " 4.50	24 11 " " " 3.80		
320 6 " " " 4.50	24 12 " " " 4.80		
144 8 " " " 3.18	12 14 " " " 4.80		
	6 16 " " " 4.60		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY, N. Y.
FORT EDWARD, N. Y.
OR.... AUGUST BOLEKE & SONS, New York Agents
52 DEY STREET, NEW YORK CITY



MY PICTURE AS A "KID."
(Presenting a rear view of a stern reality.)

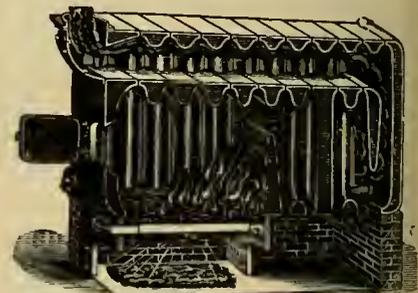
When I was young, you will observe, I was very backward; but I have got over that, and now come to the front claiming to have the best WATER HEATER, VENTILATING APPLIANCE and SASH HINGE for greenhouse purposes, that are in the market.

Furthermore, they are so simple in construction I can afford to sell them much cheaper than other styles.

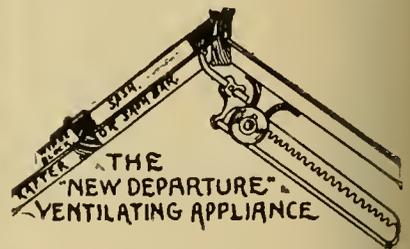
Now florists, don't be backward in sending for a catalogue. Remember, when you find you NEED a thing, the sooner you get it, the more you will have for your money, again I say "DON'T BE BACKWARD," but "keep up with the band wagon." Let me hear from you AT ONCE.

J. D. CARMODY, Evansville, Ind.

Please mention the American Florist when writing.



AMERICAN CHAMPION BOILER.



THE "NEW DEPARTURE" VENTILATING APPLIANCE

We are Supplying



MATERIAL for extensions for some of the best-known growers in the country, men who would not have "cheap" lumber, whose first requirement is quality.

Let us give an estimate on your contemplated houses; the figures will be so low they'll surprise you. Then we'll tell you where you can see samples of our work; it will be so good it will please you.

A. DIETSCH & CO.,
615-621 Sheffield Ave., CHICAGO.

California Red Cedar and Louisiana Cypress.

THE NICKEL PLATE ROAD

will sell tickets within distances of 150 miles, November 28th and 29th, at rate of a fare and a third for the round trip, account of Thanksgiving day. Return limit November 30th. This road has three through daily trains to Ft. Wayne, Cleveland, Erie, Buffalo, New York and Boston, carrying vestibuled sleeping cars and affording excellent dining car service, individual club meals being served, ranging in price, from 35 cents to \$1.00. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for reservation of sleeping car accommodations. Chicago Passenger Station Van Buren St. and Pacific Ave., on the elevated Loop. City Ticket Office 111 Adams St. 39.

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

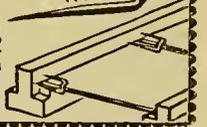
Are you one of them? If not, then write us and we will furnish indisputable facts.

Thos. W. Weatherd's Sons,
46 Marion St., NEW YORK.

Holds Glass Firmly

See the Point of The Van Ruyper Per- feet Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE No 2



THE SCOLLAY BOILER

"INVINCIBLE"

FOR GREENHOUSE HEATING.

Steam or Hot Water.

SEND STAMP FOR CATALOGUE.

JOHN A. SCOLLAY,

74-76 Myrtle Ave., BROOKLYN, N. Y.

MÖLLER'S Deutsche Gärtner-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gärtner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt.
(GERMANY)



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
555 RICHMOND, IND.

Steam and Hot Water Heating

Society of American Florists.

This is to Certify that
H. W. Gibbons

is

HIGHLY COMMENDED

for "Standard" Steam or Hot Water Boilers
Exhibited at New York City, August 21st 1900.

Edward M. Wood
President.

Wm. J. Stewart
Secretary

Greenhouses Built and Heated

ECONOMICALLY AND PERFECTLY BY

Henry W. Gibbons, 132 to 138 LIBERTY STREET,
NEW YORK.

EXPERT ADVICE AND PLANS FURNISHED.

Catalogue 8 4 Cents.

TELL THEM WHERE YOU SAW THE AD.

A GOOD AD.
A STORE PAINTED WITH
LUCAS PAINT.
IT PRESERVES IT BEAUTIFIES
IT WILL CATCH THE EYE

HAIL!

FOR INSURANCE AGAINST
DAMAGE BY HAIL, Address

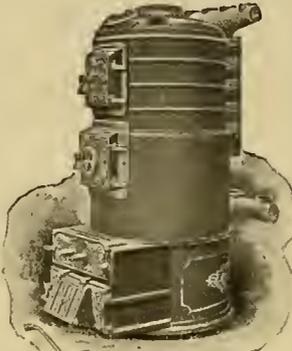
JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J

Index to Advertisers.

Table listing various advertisers and their corresponding page numbers, including entries like 'Advertising Rate', 'Allen J K', 'American House Co.', etc.

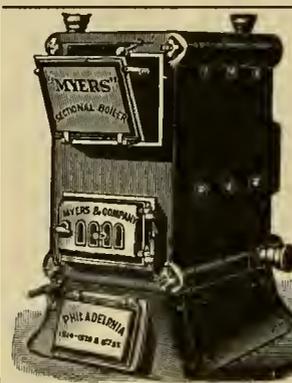
Table listing various advertisers and their corresponding page numbers, including entries like 'Pullen W W', 'Quaker City Mch Wks', 'Randall A L', etc.

Advertisement for D. O. Cunningham Glass Co., featuring the text 'D. O. Cunningham Glass Co.', 'PITTSBURG, PA.', 'TANK WINDOW GLASS.', 'HOT-HOUSE GLASS A SPECIALTY.', 'Boilers OF HIGH GRADE..', 'For GREENHOUSES.', and 'See our Catalogue.....'.



GURNEY "400 SERIES" HOT WATER HEATER.

Advertisement for Gurney Heater Mfg. Co., featuring the Gurney logo, the text 'GURNEY HEATER MFG. CO.', 'NEW YORK CITY BRANCH: 74 Franklin St., Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.', and 'Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill.'.



MYERS "400 SERIES" HOT WATER HEATER.

Advertisement for Myers & Co., featuring the text 'Exclusively A GREENHOUSE HEATER!', 'SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.', 'Send for Catalogue and latest prices.', 'MYERS & CO., 1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)'.

Advertisement for Thos. W. Weathered's Sons, featuring the text 'A FLIMSY BOILER is a poor investment. THE WEATHERED will last a lifetime and you can depend upon it.', 'Testimonials by the hundred on application to Thos. W. Weathered's Sons, 46 Marion St., NEW YORK.', 'INDEPENDENT OF ALL TRUSTS. GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hothead Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 466 W. Broadway, NEW YORK.'

Advertisement for H.M. Hooker Company, featuring the text 'H.M. HOOKER COMPANY. COR. CLINTON and RANDOLPH STS. CHICAGO.', 'GREENHOUSE GLASS OUR SPECIALTY.', 'LARGE STOCK PROMPT SHIPMENT. Pure Linseed Oil Putty, Paints, Brushes Etc. WRITE FOR LATEST PRICES.', 'Please mention the American Florist when writing.'

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI. CHICAGO AND NEW YORK, NOVEMBER 17, 1900. No. 650.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.
PUBLISHED EVERY SATURDAY BY.
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.
Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.
OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.
Annual meeting at New York, March, 1901.
LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.
Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.
Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVERS.

CONTENTS.

The exhibitions.....	529
—Philadelphia (illus.).....	529
—Miss Annie Kreitling (portrait).....	530
—Poughkeepsie, N. Y.....	530
—Denver.....	532
—Baltimore.....	532
—Phil. Hauswirth and family (portraits).....	532
—Indianapolis.....	532
—Chestnut Hill, Pa.....	533
—Madison, N. J.....	533
—Chrysanthemum Col. D. Appleton (illus.).....	533
—Tarrytown, N. Y.....	534
—Andover, Mass.....	534
With the growers—F. R. Pierson Co., Tarrytown, N. Y. (illus.).....	535
Chrysanthemums—Specimen plants.....	536
New York.....	536
Chicago.....	536
St. Louis.....	537
Chrysanthemum Society of America.....	538
Boston.....	538
Toronto.....	539
Obituary.....	539
The seed trade.....	544
The nursery trade.....	546
Louisville.....	546
Our pastimes—At New York.....	548
—At Chicago.....	548
—At Utica.....	548
—At Flathush.....	548
Philadelphia.....	548
Cincinnati.....	550
Bloomington, Ill.....	552
Newark, N. J.....	554
Springfield, Mass.....	556
New Orleans.....	558

THE EXHIBITIONS.

Philadelphia.

The fall exhibition of the Pennsylvania Horticultural Society opened under most favorable auspices last Tuesday evening. The weather, a most important adjunct to the success of the box office department of the show, was perfect. It was clear and cold and put a ruddy color into the cheeks of the visitors, of whom, by the way, there were more than on a first night for four years past. As to the merits of the exhibition, it is a very creditable display and quite the equal of the annual fall shows of the past four years, while in some respects it excels.

On entering the outer foyer, large hay trees exhibited by Robert Craig & Son were placed about and had a very decorative effect. In the staircase hall, D. Landreth & Son occupied one whole side with a large exhibit of the goods they carry in stock, seeds, bulbs, gardening utensils, etc. The bulb display was arranged on a round table space surrounded by a rustic fence in the center of which rose a pyramid of trays filled with bulbs, on top of which rested a large Boston fern. The whole was illuminated with miniature, colored electric lamps, the whole making a very effective exhibit.

In a corner a very unique feature was a collection of standard chrysanthemums by the Alburger East Park nurseries. These attracted considerable attention, being the only standards in the show. On the opposite side of the hall the Rexborough Rustic Company had erected a miniature summer house and seats. H. F. Michell is the agent of the company.

The Ives kromoscope, showing flowers in their natural colors, direct from photographic plates, completed the exhibits in this hall. Their table was surrounded at all times by people with incredulous looks on their faces, who could scarcely believe their own eyes, the process being such a revelation.

The grand staircase was devoid of decoration up to the first landing, where, on the middle posts, were two immense arecas from the nurseries of J. W. Cotting, Swarthmore, Pa. On either side of the right and left flights to the main floor were placed large vases filled with entries of dozens and twenty-fives. There were not as many of these large vases as formerly and their absence was noted

and commented on by not a few of the visitors.

The main hall was very well filled with groups of palms and decorative plants along either side, while the center and ends were taken up with the chrysanthemums in pots. These exhibits which, if creditable, give character and finish to a fall show, were this season better than for several years, the only criticism being that they were for the most part a trifle tall, it not being possible for any one under six feet to get a view from above on most of them. They were, however, very well covered with bloom and most of the flowers were perfect and a good size. The varieties that were found most often in the collections were Golden Queen, Irving Clark, Geo. W. Childs, Mrs. Weeks, Rustique, Mutual Friend, Minerva, Georgiana Pitcher, Yellow Mayflower and Pembroke. There were several very fine specimens of Geo. W. Childs.

In this class J. Hurley won eight prizes; Gordon Smirl, eight; Wm. Robinson, four; H. Carey, four; Jos. McGregor, three, and Messrs. Alex. Kerr, J. McCleary, J. Whitaker and F. Canning, one each. No plants in bloom were exhibited by commercial men, all the entries being by amateurs through their private gardeners.

The groups of palms and other foliage and flowering plants arranged for effect were very nicely placed and it must have taken a good stock from which to select such choice specimens. The first prize was won by John Hobson, second by J. H. Dodds. Some magnificent fern specimens were shown by John Thatcher. They were perfect in every respect, from four to five feet in diameter and would have been hard to beat anywhere. In a collection of smaller specimens by the same grower a fine plant of *Nephrolepis Washingtoniensis* was seen. When of good size this fern makes a beautiful growth and is a handsome addition to a collection.

There were some splendid crotons, very well grown and magnificent in coloring. John Thatcher was first for these and Jos. Hurley was given a special prize for culture for his group. The latter grower was also given a certificate of merit for fancy caladiums.

H. A. Dreer had some fine entries, one of aquatics in a tank with a background of palms. In the tank were some specimens of fine water lily flowers and plants. In the north entrance to the foyer surrounding the grand staircase they had a table on which, in front of a background of palms there was displayed some sixty vases of pompon chrysanthemums, all labeled. These occupied either end of the space; in the center surrounded by Farleyense ferns was a group of the new white begonia, Caledonia, or white Lorraine. Either side of the central group was arranged about fifty plants of the Begonia erecta, a more erect growing Lorraine, which is also somewhat lighter in color. The whole effect was very good. The display cards of a light green, white bordered background, with the lettering in a dark green were very neat and yet conspicuous.

One of the features of the show was the Washington Cycas revoluta, a tall plant with a good crown of leaves. This plant was owned by George Washington when there were but few plants of its kind in the country. It was shown in the center of a round table, and around the tub of the plant was arranged an exhibit of choice orchids. Bunting in the national colors was draped about the table. This was one of the advertised features and for which Mrs. Geo. B. Wilson, of this city, received the highest gift of the society, its gold medal. Silver medals were awarded to H. A. Dreer for collection of aquatics and to John Thatcher for his specimen ferns.

Jos. Heacock received a certificate of merit for culture for a collection of palms, which were very noticeable for their bright, well-finished appearance and great vigor. Robert Craig & Son were given a cultural recommendation for their collections of cyclamen and Begonia Gloire de Lorraine. The begonias are perfection and the cyclamens are the best plants ever grown commercially in this city.

As before remarked, the collection of cut flowers was not quite as full as usual, although the quality was up to the standard of former years. It would seem, however, as if the development of the flower had taken a halt for awhile, as nothing new or startling, such as used to wake the boys up with each recurring season, has made its appearance the past few years. The sensation in the cut blooms, if it can be called such, was the new white, Timothy Eaton, shown by Miller & Sons, of Bracondale, Ont. This is a huge flower, something on the Minnie Wanamaker type but a much larger and better finished flower, with a strong stem. It was awarded a certificate of merit as well as the prize for the best white seedling.

John N. May received first for the best American variety, never disseminated, for his new shell pink, Yanariva, and also for his pink seedling, Mrs. W. B. Chamberlain. Mr. May also staged some fine pompons which would sell well in sprays in the general market. There were also some good collections of six and twelve of a kind, as well as some vases of twenty-five. John Cullen and Wm. Robinson staged some beautiful flowers. John Kuhn had a fine vase of Philadelphia which was much admired.

Hugh Graham's exhibit in the center of the main hall was prettily arranged. In the center of a square table rose a tree of autumn leaves studded with electric lights. Around the base was a mound of growing plants, mostly ferns and orchids in flower. On the outer edge of

the table was placed a row all around of large flowers of chrysanthemums. These were shown as in the old days, without stems, lying flat on the table. Four tall floor vases containing about fifty flowers each, at equal distances from the corners of the central group, completed the decoration. J. Kift & Son had an exhibit of window boxes, ferneries, house plants and their fairy vase stands, also several chevel glasses decorated with roses, carnations and chrysanthemums in their glass holders.

The rose show the second day was not noticeable for large numbers of exhibits, but for their quality. On the grand staircase, at the first landing, Fred. Ehret placed a vase of twenty-five Beauties with six-foot stems and gorgeous flowers, grown by John Andre, of Doylestown. They were certainly a credit to Mr. Andre, as at this time, when they are so scarce, it is hard to get enough to fill orders. The collection of roses for prizes was



MISS ANNIE KREITLING.

Worker for Galveston florists at Chicago Chrysanthemum Show. See Chicago notes.

very meager. It is not often, however, that five new forcing roses are exhibited at one time; such were to be seen here, however. The Floral Exchange made a nice display of their new rose, the pink American Beauty, Queen of Edgely. A vase of fifty blooms was set against a wall space with a suitable background. It was the center of attraction during the whole exhibition and was certainly one of the features of the show.

Robert Scott & Son carried off the honors with Robert Scott, a cross between Merville de Lyon and Belle Siebrecht, a light Baroness pink and about the same size and form of flower, said to be freer than the Beauty. A silver medal was awarded this entry. Sunrise was next, the new English copper-tinted tea. This received a certificate of merit. A silver medal was also awarded for new rose Florence Pemberton, a seedling of Dickson's, of Ireland, and not yet in commerce. It is a light shell pink, or even lighter in color, a large flower, good stem, but the outer petals seem to reflex in such a way as to give the bud a rather straggling appearance.

Marquise Littta was entered by E. G. Hill, of Richmond, Indiana. This looks like a good thing. It is a large, full

flower, with stiff stem in the strong shoots. The color is a bright, deep pink, not so red as Meteor, but more red than cardinal. It is a hybrid tea and is said to be a free bloomer. It was given a certificate of merit.

In the carnation exhibit there were not many entries, but the quality was good. Messrs. Dailedouze had a vase of their Prosperity, fine flowers which won the Craig silver cup for best American seedling never disseminated. C. W. Ward, of Queens, showed some fine Governor Roosevelt, also a good scarlet. Robt. Craig & Son won the Landreth prize with Ethel Crocker. There was a display of violets, the principal feature being that they were nicely bunched. R. Eisenhart was first with Princess and Luxonne, while W. C. Pray won with Lady Campbell and Marie Louise. K.

Poughkeepsie, N. Y.

The sixth annual exhibition of the Dutchess County Horticultural Society was held in the Armory, November 6 to 8. Compared with previous exhibitions there appeared to be a falling off in the number of entries, this being particularly noticeable in the classes where handsome prizes were offered. But although some strong exhibitors held aloof there was a very creditable display in every department. In classes for chrysanthemums some very fine blooms were exhibited by the Hon. L. P. Morton, who was successful in carrying off the coveted Dieterich prize for which the competition was strong.

A very attractive group of chrysanthemums in pots was furnished from the green houses of F. W. Vanderbilt. This group was tastefully arranged and certainly merited the award offered by W. B. Dinsmore, although unfortunately there was no other competitor. All classes for roses were well contested with the exception of the class for twenty blooms Liberty, wherein there was no aspirant for the Asmus prize.

The display of carnations was very creditable, there being several competitors in the class for thirty-six blooms of three varieties, but it is a noteworthy fact that The Marquis was the only representative of the newer varieties. The keenest competition in the whole exhibition appeared in the violet class, in which a prize of \$25 was offered by Mayor Sherrill for the best two bunches of 200 blooms of double violets. There were ten entries in this class and to the casual observer each exhibit looked as good as the other. The prize was awarded to C. F. Bahret after much careful deliberation on the part of the judges.

Much attention was given to the tables of orchids arranged for effect, particularly the exhibit from the W. B. Dinsmore estate, which was tastefully arranged with cattleyas, cyripediums and Adiantum Farleyense and which carried off first premium. Pompon chrysanthemums were represented by a handsome display from the gardens of Vassar College. Several other exhibits not for competition added to the attractiveness of the exhibition, which was a financial success, as evidenced by a good representation of the general public. Following are the awards:

Dinsmore prize for group of chrysanthemums 100 square feet, F. W. Vanderbilt, U. G. Agor, gardener.

Group of foliage plants, A. Rogers, S. Horn, gardener; second, F. W. Vanderbilt.

Specimen foliage plant, Archibald Rog-



A VIEW OF THE EXHIBITION OF THE PENNSYLVANIA HORTICULTURAL SOCIETY.

ers, with *Phoenix reclinata*; second, F. W. Vanderbilt, with *Cycas revoluta*.

Six decorative foliage plants, A. Rogers; second, F. W. Vanderbilt.

Six ferns, F. R. Newbold, L. Eisenlohr, gardener.

Table of orchids, W. B. Dinsmore, T. Emerson, gardener; second, A. Rogers.

Table of foliage plants, W. B. Dinsmore. Specimen *Asparagus Sprengeri*, W. Sargent, W. G. Gomersall, gardener.

Specimen fern, W. Sargent, Esq., with *Davallia Fijiensis*; second, W. G. Saltford, with *Adiantum cuneatum*.

Dieterich prize for thirty-six blooms chrysanthemums, six varieties, Hon. L. P. Morton, T. Talbot, gardener, with *Minerva*, Mrs. G. J. Peabody, Golden Wedding, Vivian-Morel, Frank Hardy and Modesto; second, A. Rogers with *Mayflower*, *Minerva*, Col. D. Appleton, Mrs. H. Weeks, Mrs. H. Robinson and Mrs. Perrin.

Twelve cut blooms white and twelve yellow, Paul Gindra.

Twelve pink, F. W. Vanderbilt; second, Paul Gindra.

Twelve-any other color, F. W. Vanderbilt, with Mrs. A. J. Drexel; second, A. Rogers, with Chas. Davis.

Morton prize for twenty-four blooms, four varieties, six of each, F. W. Vanderbilt, with *Silver Wedding*, J. G. Warren, Vivian-Morel and Geo. W. Childs; second, A. Rogers, with Mrs. H. Weeks, Peter Kay, Vivian-Morel and Geo. W. Childs.

Vase of chrysanthemums arranged with foliage for effect, C. De Pham, R. Griggs, gardener; second, W. Sargent.

Twenty-four blooms, twenty-four varieties to be shown on boards, W. Sargent, with Helen Wright, Chas. Davis, Roslyn, Florence Pullman, Modesto, Maj. Bonnaffon, Dean Hole, *Minerva*, Belle of Castlewood, Mrs. Peabody, Fee du Champsaur, Mrs. O. P. Bassett, R. D. Douglas, Golden Wedding, Iora, Black Hawk, Col. D. Appleton, Mme. Ferlet, Vivian-Morel, Mrs. Jones, Mrs. T. L. Park, J. G. Warren, Mrs. McK. Twombly and Perrin; second, F. R. Newbold, with Waban, Conqueror, W. C. Raynor, Gladys Vanderbilt, Defiance, J. E. Lager, H. L. Sunderbruch, Mrs. Geo. Pullman, Philadelphia, Mrs. Perrin, Wm. Simpson, Silver Cloud, Col. D. Appleton, Fred. Dorner, *Minerva*, Mrs. H. Robinson, Good Gracious, Modesto, Wildfire, Belle of Castlewood, Geo. W. Childs, Mrs. H. Weeks, West Newton and Vivian-Morel.

Twelve blooms on boards, T. J. Taylor, A. McKenzie, gardener, with Mrs. H. Robinson, Autumn Glory, Mlle. Henry, T. Carrington, Mme. Carnot, Chenon de Leche, Swanley White, *Minerva*, J. G. Warren, Mrs. Mease, Anita de la Agriculture Merville and Mrs. T. L. Park; second, W. Sargent, with Chas. Davis, Mrs. H. McK. Twombly, Modesto, *Minerva*, Mrs. G. M. Pullman, Dean Hole, Col. D. Appleton, J. G. Warren, Mrs. Peabody, Jeannie Falconer, Major Bonnaffon and Black Hawk.

Sargent prize for twenty-four blooms yellow, four varieties, A. Rogers with Golden Wedding, Mrs. T. L. Park, Col. D. Appleton and Maj. Bonnaffon; second, W. Sargeant, with Modesto, *Minerva*, Col. D. Appleton, Maj. Bonnaffon.

Cunley prize for best bloom on exhibition, F. W. Vanderbilt, with J. G. Warren; second, Hon. L. P. Morton, with J. G. Warren.

Mills prize for twenty American Beauties, W. B. Dinsmore; second, F. W. Vanderbilt.

Twelve Bridesmaids, S. Thorn, J. L. Powell, gardener; second, Hon. L. P. Morton.

Twelve Brides, S. Thorn; second, W. G. Saltford.

Any other variety, W. B. Dinsmore, with Mrs. Morgan; second, P. M. Pierson.

Ward prize for collection of carnations, P. M. Pierson.

Thirty-six blooms, three varieties, P. M. Pierson, with Mrs. Crane, White Cloud and Mrs. Bradt; second, W. G. Saltford with Gen. Gomez, Gen. Maceo, Gold Nugget.

Thirty-six blooms, three varieties, scarlet, white and pink, P. M. Pierson, with White Cloud, Crane and Marquis; second, W. G. Saltford, with Joost, Crane and White Cloud.

Major Sherrill prize for two bunches double violets, C. F. Bahret.

Twelve blooms of Col. Appleton chrysanthemum, A. Rogers.

Dinner table decoration, on 6th inst., R. Griggs, with Meteor roses; on 7th inst., R. Griggs with Bridesmaid roses.

Certificate of merit to W. G. Saltford for table of *Cypripedium insigne*.

Certificate to John N. May for chrysanthemum *Yanariva*. W. E. M.

Denver.

The flower show held at the pavilion in City Park, November 8 to 11, proved a great success so far as attendance was concerned and some very fine chrysanthemums, both in pots and cut, were shown. One of the features in the hall decorations was an arch of palms and decorative plants, in the center of which was a facsimile of the Burns monument erected by our Scotchmen at City Park. The City Park made a very creditable showing of chrysanthemums, palms and geraniums, but owing to the crowded condition of the hall very little showed to advantage. The cut flower display, also the floral arrangements, showed a very marked improvement over former years, which all goes to show the advanced condition in all branches of the business in Denver. Some exceedingly fine carnations were shown, the Mrs. Lawson by the Park Floral Company being almost perfect, large, of good color, but a trifle short in stem. Other new varieties were equally well grown. The competition in carnations was hardly fair, as the Lawson was entered in competition with blooms of older varieties, barring the smaller grower, who had none of the newer kinds.

In tea roses the competition was very keen, the display being the best ever seen in Denver. Mrs. R. Mauff carried off first honors in this class and to her belongs the credit of showing Brides, Bridesmaids and Mermets that would make some of the best rose growers in the east envious. There were but two mantel and four table decorations shown, the hall being so far from the business center that the retail florists did not feel justified in competing with those who had their sources of supply only a few blocks from the hall.

There were no exhibits from outside of Denver, excepting those sent from Colorado Springs. Following is the record of the premium winnings:

The Park Floral Company was first on six specimen chrysanthemum plants white, six pink, six yellow, twenty plants single stem, six begonias, twelve geraniums, six carnations in pots, best collection flowering plants, twelve palms, twelve ferns, six Rex begonias, twelve chrysanthemum blooms yellow, twelve of color not specified, funeral bouquet, basket of chrysanthemums and on basket of other flowers, on twelve cut blooms Kaiserin and on six sorts of carnations, including Mrs. Lawson, Maceo, Olympia and a seedling named Lowelsa. They were awarded the Wolcott silver cup for the best vase of chrysanthemums and also took several second premiums.

The Colfax Avenue Floral Company was first on group of palms and decorative plants, twelve blooms white chrysanthemums, twelve pink, six vases of six each, twenty vases twenty varieties, on twelve blooms Perle, twelve Liberty, on twenty-five white carnations and on twenty-five William Scott. They also took many second premiums.

Mrs. R. Manff was first on Beauties, Wootton, Bride and Bridesmaid roses. The Gallup Floral Company was first on hand bouquet. F. J. Crump, of Colorado Springs, was first for Meteors. J. W.

Smith, of Colorado Springs, was first on double violets and T. C. Waterbury first for singles.

Altogether the show was a success and vastly to the credit of Denver and the trade. C. J. T.

Baltimore.

Notwithstanding the small hall and the rather limited number of contributors, this year's show was, to a far greater extent than could have been anticipated, a brilliant success. The weather was perfect, the hall was thronged, and, to use the language of a skilled chrysanthemum man, "some of the finest and largest flowers ever seen in Baltimore were on exhibition." It would be hard, if not impossible, to hold any one of the prominent exhibitors up for admiration where such uniform excellence prevailed.

The exhibition was almost altogether chrysanthemums. Ed. Holden, gardener to Mrs. Robt. Garrett, had a nice vase of cypripediums among his vases of chrysanthemums, and Chris Gregorious had a vase of violets. The entire exhibit of the Ruxton Floral Company was eight vases of roses, and John Cook showed a fine vase of Baltimore, his new seedling, almost pure white with a center shading to pure cherry red. Mr. Cook had with him, in a small box, two buds of a very promising rose, of which, though non-

rose buds at the bottom, and a beautiful basket of white and yellow chrysanthemums. The other exhibits were, from Richard Vincent, seven vases of pompon chrysanthemums; from M. J. Hannigan, gardener to Mr. Gary, five vases large varieties; W. Paul Binder, gardener to Harry A. Parr, four vases; Lehr Bros., five vases; Phil. B. Welsh, seven vases; G. D. Lotze, a vase of Trainor L. Park, pronounced by some the finest yellow in the building; Ed. Kress, vase of very fine Bonnafton.

The whole show was of the most surprisingly excellent character and will no doubt encourage the participants to renewed exertions next year. MACK.

Indianapolis.

The State Florists' Association of Indiana held its exhibition at the Agricultural Rooms of the State House on November 14. The show was a success beyond all expectations. The display was excellent, the attendance large, and the auction following the show brought a handsome sum. At the meeting, held in connection with the show J. W. Bernard and Fred. Herlemann, both of Marion, were elected members and an invitation from Wm. Langstaff to hold the December meeting at his house was accepted. All members expressed their satisfaction with the



PHIL. HAUSWIRTH AND MRS. HAUSWIRTH AND FAMILY.

Workers for Galveston florists at Chicago Chrysanthemum Show. See Chicago notes.

committal, as usual, he evidently thinks a great deal. Among the other outside flowers was a vase of very good carnations from Henry Fisher.

The massive bank of palms that stretched across the end of the hall and added greatly by giving a background to the show, was from Halliday Bros. F. G. Burger sent a wreath of white chrysanthemums with a cluster of red

show. Among the visitors were J. A. E. Haugh, of Anderson; Herbert Heller, New Castle; Mr. Knopf, Richmond; W. W. Coles, Kokomo; E. E. Bissel, J. W. Bernard and F. Herlemann, Marion.

Mr. Knopf, on behalf of Mrs. Grave, of Richmond, and Mr. Heller, for the South Park Floral Co., of New Castle, invited the association to visit their places.

In the exhibition the following were prize winners:

H. W. Rieman first on six market plants of chrysanthemums, on specimen plant, on six cut blooms in six varieties, ten of ten varieties and twenty-five of one variety. He was second in several classes and was given special mention for a vase of seedling chrysanthemums.

E. Hukriede & Son were first on ten single-stemmed chrysanthemums and for six blooms W. H. Lincoln. They were second for collection of six varieties.

The Westview Floral Co., Knights-town, was first on cut blooms in six varieties, on six pink, six yellow and six "any other color." They were second on white roses.

Gunnar Teilmann, Marion, was first for twenty-five blooms of one variety and second for six "any other color."

J. W. Bernard, Marion, was first on white carnations, on red and on "any other color;" second on pink. He was second on six pink chrysanthemum blooms, on twenty-five of one variety and on ten blooms in ten varieties.

W. W. Coles, Kokomo, was first on white roses, on pink, on "any other color" and on vase of roses. In carnations he was first on pink.

Baur & Smith were given special mention for Elma, a light pink seedling carnation, and were second in several classes.

Special mention was given to Bertermann Brothers for their display, to John Hartje for a vase of May Williamson, to John Heidenreich for a collection of market plants of chrysanthemums, to R. A. McKeand for four vases of seedling cannas, to Stuart & Haugh, of Anderson, for Abondale, a pink sport of Armazindy, to R. Witterstaetter, Sedamsville, O., for Enquirer carnation and to the South Park Floral Co., New Castle, for collection of roses not entered for competition. Prominent in this display was Marquise Litta, or No. 19, a new bright pink of great promise. H. J.

Chestnut Hill, Pa.

The first annual exhibition of the Chestnut Hill Horticultural Society, November 7 to 9, was an unqualified success. It was largely a show of the skill of the private gardeners of the vicinity. The stock shown was first class in every respect and the prizes were distributed as follows:

William Robertson, gardener to J. W. Pepper, of Jenkintown—Five first prizes and three second prizes.

William Boyce, gardener to Randal Morgan, of Chestnut Hill—One first prize and one second prize.

Robert G. Carey, gardener to Thomas C. Price, of Chestnut Hill—Two first prizes and one second.

George W. Brown, gardener to R. N. Carson, of "Erdenheim," Chestnut Hill—Three first prizes and four second prizes.

Hans Reuter, first assistant gardener to Charles W. Henry, of Wissahickon Heights—One first prize and one certificate of merit with a first prize, and one second prize.

James Ward, first assistant gardener to John Bohlen, of Chestnut Hill—One second prize.

Frank Gould, gardener to John T. Morris, of "Compton," Chestnut Hill—Eight first prizes and three second prizes.

Joseph Monahan, gardener to Charles W. Trotter, of "Sugar Loaf," Chestnut Hill—One first prize and one second prize.

Robert Forrest, gardener to Beauveau Borie, of Jenkintown—Two first prizes.



CHRYSANTHEMUM COL. D. APPLETON.

Richard Moore, gardener to James Cheston, Jr., of Chestnut Hill—Two first prizes and one second prize.

Charles A. Knapp, of the Mermaid Nurseries, Chestnut Hill—Two second prizes.

John Little, gardener to John Lowher Welsh, of Chestnut Hill—Seven first prizes and seven second.

William Kleinheinz, gardener to P. A. B. Widener, of Elkins, Pa.—Four first prizes and four second prizes.

Henry Carey, son of Robert G. Carey, secretary of the society—Three first prizes and a certificate of merit.

John McNeill, gardener to Charles W. Henry, of Chestnut Hill—Six first prizes and three second prizes.

James Yelland, first assistant gardener under Robert G. Carey—One first prize and five second prizes.

John Walter, of Chestnut Hill won the first prize for the largest pumpkin.

The new pepper, "Improved Celestial," exhibited by Robert G. Carey, was awarded a special mention in the judges' report.

A new seedling canna, exhibited by the same gentleman, was also given a special mention and the judges also stated that

it exceeded anything in dark red foliage that they had ever seen. A specimen plant of heliotrope exhibited by the same gentleman was very much admired.

An exhibit made by H. A. Dreer, of Philadelphia, of thirty-one varieties of pompon chrysanthemums was considered to be a most magnificent collection, and was made a special article of mention by the judges.

Madison, N. J.

The fifth annual exhibition of the Morris County Gardeners' and Florists' Society was held in the Assembly Rooms, Madison, on November 7 and 8. The cut chrysanthemums, always a strong feature, this year surpassed all previous displays, and the fine special prizes offered brought some outside competition. For six varieties, six blooms of each, W. Duckham, gardener to D. Willis James, was first with a grand exhibit, comprising Nellie Pockett, a new cream white reflexed Jap on the style of, but far surpassing Mayflower, Mons. Chenon de Leche, Mrs. H. Weeks, Jennie Falconer and Mr. T. Carrington, an enormous flower, magenta rose with silvery reverse

P. Duff, gardener to J. Crosby Brown, Orange, was second, the most notable in his exhibit being a fine vase of Col. Appleton.

Mr. Duff was first for three varieties, six of each, with grand vases of Weeks, Morel and Trainor Park. A. Herrington, Florham Farms, was second in a very close competition which took the judges a long time to decide. For twelve blooms in four varieties A. Herrington won handsomely, showing grand blooms of Merza, Col. Appleton, Morel and H. Hurrell. G. Bird, Morristown, was second.

The special prize for twelve Col. Appleton was won by W. Duckham with a splendid lot of large, well-finished flowers. In the single vase classes G. Bird was first for yellow with Pennsylvania; H. Hentz, Jr., Madison, first for pink, with Helen Bloodgood, and F. Burnett, Madison, first for white with Robinson.

In groups of chrysanthemums and foliage plants J. Davies, gardener to Mrs. A. R. Whitney, Morristown, was first, and A. Coren, gardener to Mrs. J. Catlin, Morristown, second. A grand group not in competition, as also a number of specimen plants, were shown by W. Duckham. J. Jones, of Convent, was the winner for a group of foliage plants alone, and A. Coren for twelve ferns. Lager & Hurrell, Summit, took the special prize for orchids with a charming and varied exhibit.

The rose growers this year did not make their usual showing; in fact it was hard to believe we were in the rose city. They all had the same excuse, weather, but there may be others. L. A. Noe and H. Hentz, Jr., were winners in the order named for eighteen American Beauty, while for twelve Beauty H. Hentz was first and the only exhibitor. F. Burnett was first for eighteen Bridesmaids and H. Hentz for the same number of Brides. For six Brides and Bridesmaids, F. Burnett and D. Falconer were first and second. E. Brant was the only exhibitor of Liberty and took the special prize.

Messrs. R. Craig & Son, Philadelphia, sent on a nice exhibit of Queen of Edgely, which was awarded the society's certificate.

Vegetables and fruits filled a room adjoining the main hall and visitors evinced as much interest in them as in the flowers. Among non-competitive exhibits special mention must be made of a fine lot of carnation Prosperity from the Dailledouze Bros., which was certificated; a nice group of pompon chrysanthemums in pots from J. N. May, Summit, and a well-grown group of Adiantum Farleyense from Dean & Parse, Summit.

The judges were Mr. J. W. Withers, of New York, Mr. N. Butterbach, Oceanic, and Mr. Geo. Smith, Orange.

At the close of the show Vice-President Totty mounted the rostrum and auctioned off the flowers on behalf of the fund being raised for the Galveston florists, and with brisk bidding times were lively and a substantial sum was raised.

H.

Tarrytown, N. Y.

Successful as was the first exhibition of the Tarrytown Horticultural Society, it was eclipsed by the second annual exhibition held in Music Hall on November 7, 8 and 9. In all classes the quality of the exhibits was superb, and in many cases excelled anything that has ever been witnessed in this vicinity.

The arrangement of the hall was perfect, allowing each class of exhibits to display its individual merits in a striking manner. The center of the hall was devoted to the display of cut blooms and on the sides were arranged the fruits and vegetables, while at each end of the hall were the various groups of chrysanthemums and foliage plants. On the stage were placed the specimen plants of chrysanthemums interspersed with a few palms, etc., and backed up by a canvas woodland scene, all of which imparted a very pretty and cheerful effect. The specimen ferns were displayed on the balconies, to which the public had easy access, and where they lingered to admire the beautiful display below.

Taking the order of the schedule, the awards were as follows:

Group of chrysanthemums in pots, Louis Stern, Thos. Cockburn, gardener; second, C. C. Worthington, L. A. Martin, gardener.

In the next six classes for specimen chrysanthemum plants Wm. Rockefeller, Wm. Turner, gardener, was the only exhibitor, and as each plant showed great cultural skill he was awarded all prizes.

In the class for twelve plants, single stems and blooms, S. Goodman, Jos. Howarth, gardener, captured first prize over Jos. Eastman, Wm. Scott, gardener.

The prize for the group of palms and foliage plants brought out four competitors and the premium was captured by S. Untermeyer, W. H. Waite, gardener, Wm. Rockefeller being second.

The best specimen palm was S. Untermeyer's Kentia Belmoreana, and he was first on fancy foliage plant other than palm and for the table of decorative plants. In the class for six table plants F. A. Constable, W. Anderson, gardener, was first and Mr. Untermeyer second.

For three specimen ferns Jos. Eastman was first, but F. A. Constable carried off the prize for the best single specimen, there being no less than seven entries in the class.

Mr. Eastman was first for the pair of selaginellas and again for the best pair of adiantums. In the class for the best Adiantum Farleyense J. B. Trevor was the only exhibitor, taking first prize. The prize for six cyclamens was taken by Major R. E. Hopkins, R. Angus, gardener.

In the class for thirty-six blooms, six varieties of chrysanthemums, W. Rockefeller was first with Robinson, Bassett, Jones, Col. D. Appleton, Viviand-Morel and Major Bonaffon, while Hicks Arnold, A. Grierson, gardener, was second with Duke of Wellington, Col. D. Appleton, Australian Gold, Purple Emperor, Viviand-Morel and Mrs. Geo. Lewis.

Jos. Eastman was the most successful exhibitor in the class for twenty-five blooms, twenty-five varieties, and won the premium for twelve blooms, twelve varieties, with Col. D. Appleton, Swanley Giant, H. Hurrell, Anita de la Agriculture Merville, Frank Hardy, Minerva, Mme. Carnot, J. G. Warren, E. Salisbury, Golden Wedding, Mrs. Geo. Lewis and T. Carrington, while Hicks Arnold won second with R. J. Jones, Col. D. Appleton, Nellie Pockett, Portia, Chatsworth, Australian Gold, Modesto, T. Carrington, Madame Deis, President Bevan, R. J. Upton and Mrs. Coombs.

For the best six blooms, white, Robt. Mallory, Wm. Smith, gardener, was first with Mrs. Weeks; W. Rockefeller, second, with Mrs. H. Robinson.

Mr. Rockefeller was first with Major Bonaffon in yellow and F. A. Constable

second with Col. D. Appleton; the class brought out five competitors.

Miss Blanche Potter, W. Nye, gardener, received the award for the best six pink on Viviand-Morel, while the award for the best six crimson went to Hicks Arnold on E. M. Bigelow.

The most effective vase of twenty-five blooms with foliage of any kind was staged by F. O. Mathieson, A. Taaffe, gardener, while Jos. Eastman's exhibit was second.

The Pierson cup for the best twelve blooms of Col. D. Appleton brought out keen competition, there being no less than six excellent entries. The judges awarded the cup to F. A. Constable, W. Anderson, gardener, while Robt. Mallory, W. Smith, gardener, received second premium. The exhibits of Wm. Rockefeller and Louis Stern in this class were worthy of special mention.

In the classes for roses S. Untermeyer was first for Beauties, Mrs. Geo. Lewis for Brides and Bridesmaids, F. O. Mathieson for Perles and Morgan. Wm. Rockefeller took both prizes for Liberty. There was good competition in all these classes.

In carnations Wm. Rockefeller was first with White Cloud, Crane and Gold Nugget. He was also first on thirty-six blooms, six varieties, second with Mrs. Bradt, Olympia and with twenty-five of one variety. J. T. Williams, G. M. Hay, gardener, was first with Olympia, Mrs. Bradt and Mrs. Lawson; second on thirty-six blooms, six varieties, with Crane and Genevieve Lord. Whitelaw Reid was first on pink with New York. The best seedling was Prosperity (No. 666) shown by Dailledouze Bros.

Geo. E. Dickinson was first for double violets, C. C. Worthington second; Wm. Rockefeller first for singles, J. B. Trevor second; Miss Blanche Potter first for Lady Campbell, Mr. Worthington second.

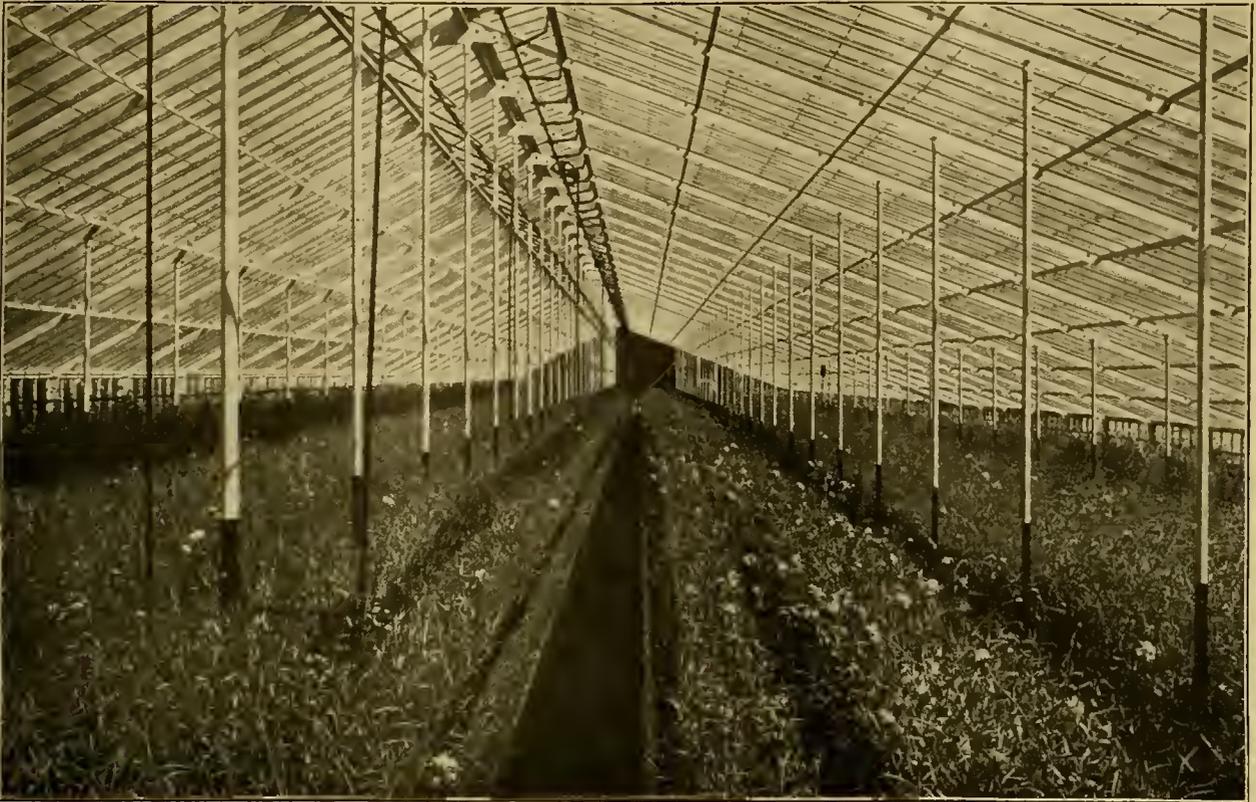
J. Fursey was first with table center piece of Beauties, F. O. Worthington second with Bridesmaids.

Robert Mallory was first on apples and J. Caunce on pears. Jos. Eastman was first on black greenhouse grapes and on three varieties; J. Caunce was first for white grapes and C. C. Worthington for dish of outdoor grapes.

In vegetables Wm. Rockefeller was first on late celery, early celery and lettuce. Jos. Eastman was first on onions, Mrs. E. B. Munroe on leeks, C. C. Worthington on cabbage, Louis Stern on cauliflower, J. T. Williams on mushrooms and J. Caunce on collection of vegetables. F. O. Mathieson took the Thorburn prize for a collection of vegetables. W. E. M.

Andover, Mass.

The fourth annual exhibition of the Florists' and Gardeners' Club of Andover was held at the Town Hall on November 6. In the commercial classes for cut blooms, J. H. Playdon and George D. Millet won most of the premiums for chrysanthemums and carnations. On violets, Warren Johnson and J. H. Playdon were the principal exhibitors. Mitchell Bros., Carl Lindquist and J. D. Fairweather showed some very good pansies. George Piddington was the only exhibitor in roses. Chrysanthemum plants in good form were shown by J. H. Playdon, George Ripley, George D. Millet, George Piddington and J. D. Fairweather. J. D. Fairweather and William Langlands were awarded first and second premiums, respectively, on group of ferns; George Ripley and George Piddington on group of decorative



NEW CARNATION HOUSE 54 X 306 FEET, AT BRIAR CLIFF FARMS, SING SING, N. Y.

plants; George Piddington and George D. Millet on plant arrangement for table decoration; Warren Johnson and Carl Lindquist for collection of begonias; George D. Millet and George Piddington for display of bedding plants and William Langlands for display of evergreens. There was also a good representation of amateur exhibits in plants, flowers, fruits and vegetables.

WITH THE GROWERS.

F. R. PIERSON CO., TARRYTOWN, N. Y.

The establishment of the F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., is a very extensive one and covers many lines of trade. The main offices are at Tarrytown, with the seed department, including bulbs and general supplies. Here also is the original greenhouse plant of the concern, filled with general ornamental stock in excellent condition. Our representative noted especially ficuses, *Pandanus Veitchii*, *P. utilis*, *Acalypha Sanderi*, Boston ferns, araucarias, palms in leading commercial varieties, *Asparagus plumosus nanus*, *A. Sprengeri* and some very fine large plants of *Dracena indivisa*. Azaleas and bay trees are handled in large quantities. Particularly noteworthy was a specimen of a new sport of the Boston fern (*Nephrolepis exaltata Bostoniensis*) so far unnamed. This novelty has all the grace and utility of the parent with the difference that the pinnae take after the character of *N. rufescens tripinnatifida*.

The nursery proper and trial grounds are at Scarborough, about half an hour's drive from the home offices. This short journey along the Hudson river is very delightful, splendid estates of wealthy New Yorkers skirting the route. A large proportion of the nursery grounds,

twenty-five acres in extent, is devoted to select nursery stock in the best of health notwithstanding the severe drought of the past summer. One range of houses here is devoted to stock of such plants as carnations, Boston ferns and chrysanthemums, hardy roses, etc. A range of seven Lord & Burnham houses, each 20x300 feet is taken up with American Beauty, the blooms being produced for the New York market. These houses are on the regular Lord & Burnham plan with a space of about 20 feet between each. The roses at the time of our representative's visit were mostly planted in benches containing four inches of soil. In several instances small houses, nine feet wide, are run along the north side of these rose houses for propagating purposes and also for growing such plants as *adiantum* and *Asparagus Sprengeri*.

There are many plants under trial in the nursery grounds, the most noticeable of which were cannas and phloxes. Among the new cannas the following were rather striking: Black Prince, flowers of a very rich deep red; Pandora, dark variegated foliage and large reddish flowers, rather odd and attractive; Crimson Bedder, very free flowering and rich in color; Floribunda, a good yellow, darker than Eldorado, slightly spotted; Kate Gray, flowers orange red and trusses very large, a vigorous grower; Michael Faurichon (Crozy) a good red of medium height with large flowers. Other older cannas grown in quantity on account of their excellence were Tarrytown, Duke of Marlborough, Buttercup, F. R. Pierson, Eldorado, Mlle. Berat, Rosemar, Secretary Chabanne, Chas. Henderson, J. C. Vaughan, Sam Trelease and Genereux.

The strain of new perennial phloxes is very fine and the following varieties are

especially good: Esperance, dwarf and very free, light purple flowers, very large; William Ramsay, very dark purple; Coquelicot, bright red, quite showy; Argon, lavender pink; R. P. Struthers, deep pink, rather tall in habit; Mars Le Tour, very light pink with deeper eye, flowers very large and a very handsome variety; Candeur, good dwarf, pure white; Amphitryon, whitish, shaded deep lilac; Lumineux, bright pink; Crepuscule, very large flowers, pale lilac with reddish purple eye and shadings; Rayonnant, bright reddish petals with deep white margins; La Cygne, good white, taller than Candeur; Ferdinand Cortez, very large bright carmine flowers with reddish center. It was noticeable here that the coal piles were exposed in the open and white-washed to prevent theft.

The immense carnation establishment of the F. R. Pierson Co. is at Briar Cliff Farms, Sing Sing, N. Y. The illustration on this page gives a view in one of the two fine new carnation houses completed the past season by Hitchings & Co. The houses are each 54x306, iron frame, and heated by four of Hitchings' No. 58 sectional tubular boilers. No better evidence of the position to which the carnation has reached in floriculture can be given than the erection of such structures for its special cultivation.

As may be judged from the foregoing, F. R. Pierson, the chief of the concern, is a very busy man. In addition to his commercial interests he is much taken up with his local town affairs, having been water commissioner of Tarrytown. He is now president of the local school board and has just completed a new school at a cost of \$135,000. In his various trade duties he is ably assisted by Paul M. Pierson, Edward W. Neubrand, J. E. White and his well known traveling rep-

representative, J. R. Fotheringham. At the forthcoming Pan-American Exposition it is the intention of the firm to exhibit rather extensively.

CHRYSANTHEMUMS.

SPECIMEN PLANTS.

The chrysanthemum season is here and most of the specimens upon which much care has been bestowed for nearly a year will be on exhibition before these lines are printed.

Chrysanthemums would last a long time in perfection if properly cared for after they come into bloom. When the late H. A. Gane, of West Newton, Mass., was alive he kept his plants in good condition until December. But his show, as he called it, was hardly in at exhibition time. He grew his plants cool, and for years did not have any heat at all.

Rarely we find, in even the best places, houses especially fitted to show chrysanthemums to the best advantage. With the usual run of foliage plants, palms, dracenas, ficuses, etc., no matter how arranged, they never seem to harmonize. We expect a blaze of color, and we should have it—"a parting gift of nature." They are radiant in sunshine, so we should have plenty of light. Abundance of air and a moderate temperature, not over 50° at night, are also essentials.

We are not in the "show business" just now, but we have at the H. H. Hunnewell place a nice exhibition of serviceable plants. The color masses are effectively relieved by tubbed specimens of Japanese spindle trees in white and yellow variegated, *Osmanthus (olea) fragrans*, *Aucuba Japonica*, some *Pittosporum Indicum*, *cryptomerias*, and a number of small grevilleas, with *Browallia speciosa* major, blue, used for the front line, making altogether quite an effective harmony.

It is a bad practice to set the plants on boxes, tubs, or staging of any kind. They are seen to far better advantage arranged so that we can walk among and look down on them. Now also is a time for note taking, for stock taking, too, of varieties difficult to secure.

The storing of plants demands some attention. It is a mistake to stow them under benches as if of no more use. Good cuttings are essential to success, and to get them our plants should be stored in well lighted and cool quarters. We have used cold frames for several years, well packed about with leaves and covered with mats and shutters. They freeze sometimes, but we have always been able to get good, stout cuttings whenever they were wanted.

T. D. HATFIELD.

New York.

MARKET CONDITIONS SHOW DECIDED IMPROVEMENT.—STOCKS SHORTEN UP AND TRADE BECOMES FAIRLY BRISK.—MEETING OF THE CLUB.—NOMINATION OF OFFICERS.—EXHIBITION AT THE AMERICAN INSTITUTE.—PRIVATE GARDENERS LARGELY IN EVIDENCE.—GOOD EXHIBITS BY THOSE IN THE TRADE.

It is a pleasure to be able, at last, to report a decided change for the better in the flower trade of this city. Wholesalers are happy and the solicitude that has been their lot and the lot of the growers, as well, for the past few weeks, has been transferred to the shoulders of the retailers, whose buyers now find themselves with plenty of cause to use up shoe leather chasing from one place to another for the material they must have.

The causes leading up to this healthy condition are various—some transient, others direct and permanent. Of the former may be mentioned the big wedding of the daughter of J. Pierpont Morgan, for which Thorley had the decoration, and the funerals of two men of prominence—Marcus Daly and Henry Villard. The shortage in supply is, however, the legitimate consequence of the continued bright, warm weather, which has forced all crops ahead into bloom at once and the plants are now in an exhausted condition which is likely to affect the supply greatly for some time. Were it not for the chrysanthemums, which are still coming in abundantly, there would be a positive famine to face this week. Cattleyas, dendrobiums and oncidiums have got into the same current and values have advanced sharply, while carnations of the highest grade sell at from \$3 to \$5 per hundred, Roosevelt and Lawson being the leaders at the latter figure. Fancy chrysanthemums are doing better and, while prices on these remain about as before, sales are more readily made and stock no longer accumulates in wholesalers' hands.

The club meeting on Monday evening was attended but poorly. The nomination of officers for the coming year was the principal business on hand. After the usual confusion resulting from withdrawals and scattering votes the ticket, with the required two candidates for each office, was reduced to the following names: For president, W. F. Sheridan, Frank Traendly; vice-president, Julius Lang, C. G. Weber, A. Wallace; secretary, John Young (no second choice); treasurer, C. B. Weathered, A. S. Burns. The nominees for trustees are Charles Hewitt, F. H. Traendly, A. S. Burns, John Morris, W. H. Siebrecht and W. W. Burnham. Election will take place at the December meeting. Samuel Henshaw was elected a trustee to fill out the unexpired term of Wm. Plumb. A set of resolutions concerning the departure of Mr. Plumb for England was presented by A. S. Burns and ordered to be engrossed. The "Plan and Scope" committee reported progress. President O'Mara entertained the meeting with a very interesting account of his recent visit to St. Louis and the Shaw Garden. W. I. Brower placed on exhibition a silk cover for violet stems for corsage wear which was received with much favor and awarded a certificate of merit.

The exhibition of the American Institute on Wednesday afternoon and Thursday, November 14 and 15, was one of the best on record and deserved more ample accommodations than the limited size of the hall afforded. There were no specimen plants to speak of but the classes for cut chrysanthemum blooms were well filled and the quality of the exhibits was uniformly high. Premiums had not been awarded at the time of writing this report. Among the prominent contributors in the cut flower section were G. H. Hale, gardener to E. D. Adams; Wm. Scott, gardener to Jos. Eastman; A. McKenzie, gardener to T. W. Taylor; Wm. Duckham, gardener to D. Willis James; Thos. Cockburn, gardener to L. Stern; J. G. McNicoll, gardener to Geo. C. Rand; Kimball orchid houses; Chas. Webber, gardener to Mrs. J. Hood Wright; Jas. Allen, gardener to C. Lambert; J. N. May and Miller & Son. The fifty blooms of their white seedling, Timothy Eaton, brought by the latter from Bracondale were the sensation of the show. J. N. May's Yanariva attracted much attention. Wm. Scott's

flowers were superb all through. A magnificent group of orchids, palms and choice decorative plants was staged by Julius Rochrs. There was also a fine lot of stove plants from G. H. Hale and of orchids from Lager & Hurrell. H. Nicholl, gardener to Mrs. J. B. Trevor, showed some superb specimen ferns. Liberty rose from Wm. Turner, gardener to Wm. Rockefeller, appeared in excellent form. There were good roses from Geo. M. Hay, gardener to J. T. Williams, who also showed a fine vase of Lawson carnations. Briar Cliff Manor's collection of carnations was very extensive. C. W. Ward had some very promising seedling carnations and there were good violets from Geo. T. Schuneman, A. W. Williams, J. W. Feeter and L. H. Martin. On baskets of chrysanthemums there were two competitors, H. Nichols and The Rosary, the former being white and pink and the latter yellow.

The sympathy of the trade is extended to Wm. A. Hautf, whose wife died last Sunday of quick consumption. She leaves one child eight years of age.

Visitors: A. Leuthy, Thos. Clark, W. H. Elliott, E. N. Pierce, T. J. Grey, W. E. Doyle, Wm. Nicholson, all from Boston; W. R. Smith, Washington, D. C.; Miss Menand, Albany.

Chicago.

COLD WEATHER HAS ITS EFFECT UPON MARKET CONDITIONS.—FEW ROSES AND NO STRONG DEMAND.—BUSINESS SLOWLY PICKING UP.—PLENTY OF CHRYSANTHEMUMS.—WITTBOLD'S PLANT LABEL.—WITH HINSDALE GROWERS.—VARIOUS NOTES.

Winter arrived during the week and the result was early apparent in the quantity and quality of stock available, but it was not for several days that the brisk atmosphere had any effect upon demand. For ten days past a peculiar situation had existed in the cut flower market; there had been few roses and very little demand for them. Usually when there are no flowers every one wants them, and vice versa. By Wednesday of this week the demand had increased to such an extent that quoted prices were strictly maintained, although at the same time the freezing weather had put the street fakir temporarily out of business. Carnations are not so good as one would like them to be. The percentage of really first-class flowers is very small, and these are the only ones which are in active demand. The supplies of chrysanthemums continue undiminished and the call for them has been rather slower than was anticipated, so that the returns to the growers will not average so well as last season, it is feared, although there is a prospect for a period of better demand. Within the last few days violets have advanced to their proper position in the market. At the first of the week 60 cents bought a hundred fairly good violets, but by the end of the week the quotation was \$1.25 to \$1.50, and some extra fancy stock went still higher. Lily of the valley continues in fair supply at \$4 to \$5 per hundred and smilax is again in demand. The prospects are that Thanksgiving day will see a very generally inadequate supply of roses, although a number of growers say that they will have fair crops on within another week or two. Every indication points to a brisk demand for Thanksgiving.

In the seedling competition at the flower show on the closing day John N.

May was awarded a silver medal for his chrysanthemum Yanariva. Crabb & Hunter exhibited Irene among the carnations, but not for competition, it having taken a silver medal a year ago. This variety is to be disseminated next year and meets with much favor. In the retail florists' competition, rearranged and judged each day, E. Wienhoeber won first premium, \$100, and John Mangel, second, \$70. The \$125 silver service for dinner table decorations was won by the Anderson Floral Company, A. Lange taking the \$90 cut glass vases which were the second premium; the third prize, \$60 cash, went to Mangel. A great deal of credit is due the retailers, including Wittbold among them, for the showing they made. Late in the week very creditable exhibits were staged by W. C. Egan, of Highland Park, Ill., (cactus dahlias) and F. A. Baller, Bloomington, Ill., (clematis). Fred. J. Wells, of the C. B. & Q. R. R., exhibited some fine chrysanthemum blooms which were disqualified because they were staged without the requisite exhibitor's number. Weber & Sons, Oakland, Md., received a silver medal for a light pink seedling carnation.

At the last meeting of the Florists' Club, November 16, the club committee in charge of the booth in aid of the Galveston sufferers reported as follows:

Your committee in charge of the flower booth at the annual exhibition of the Horticultural Society of Chicago for the benefit of the Galveston sufferers in the trade, submits the following report:

RECEIPTS.

Tuesday, Nov. 6.....	\$16.15
Wednesday, Nov. 7.....	63.25
Thursday, Nov. 8.....	57.10
Friday, Nov. 9.....	71.20
Saturday, Nov. 10.....	55.40

Total sales..... \$263.10

DISBURSEMENTS.

Oil cloth and muslin for booth.....	\$1.65
Tissue paper and pins.....	.50
Signs.....	.75
	2.90

Balance..... \$260.20

Flowers for the booth were contributed by the following: J. C. Vaughan, Edwin Eagle & Co., Anton Then, George Harrer, N. P. Miller, Chicago Carnation Co., John Felke, P. J. Hauswirth, Guardian Angel Orphan Asylum, Walter Retzer & Co., Emil Buettner, Johnson & Carlson, A. McAdams, J. T. Anthony, August Jurgens, A. Friend, Geo. A. Rackham, Detroit, Mich.; John Bauscher, Jr., Freeport, Ill.; Samuel Batson, Kalamazoo, Mich.; Geo. Engel, Xenia, Ohio; Mrs. E. T. Grave, Richmond, Ind.; Gunnar Teilmann, Marion, Ind.; W. J. & M. S. Vesey, Fort Wayne, Ind., and several others that failed to send their cards with their contributions.

The committee desires to express its thanks to the above named for the very liberal contributions that were received. Respectfully submitted,

P. J. HAUSWIRTH,
W. J. SMYTH,
CHAS. SAMUELSON,
Committee.

Too much credit can not be given to Phil. Hauswirth, Mrs. Hauswirth and their children, Miss Elsa and J. Edwin Hauswirth, and Miss Annie Kreitling, of the firm of Walter Kreitling & Co., for their unceasing industry in connection with the Galveston booth. Their portraits will be found elsewhere in this issue.

The Geo. Wittbold Company report their October business to have exceeded that of any month in their previous experience. They say that there is still an active demand for decorative plants and that shipments are large, although freezing weather interferes to some extent. They are tacking a card to all their boxes, which has met with so much approval that a number of other shippers have asked permission to use it. It reads as follows: "Notice to agents! This box contains live plants. In freezing weather it should not be delivered by the Express Company unless the delivery wagon is

heated. If not so delivered, keep in warm room and notify consignee of its arrival." These instructions, if followed, will save many an exasperation and loss.

One day during the flower show Bassett & Washburn took a party of twenty or more visiting florists, including the judges of the exhibition, to see the sights at their establishment at Hinsdale. Everything is in the finest of condition there and the visitors found very many things of interest. Mr. May said that he had never seen a finer stock of carnation plants than theirs, and the roses came in for equal commendation. One of the things which was studied closest was the rose No. 19, now known as Marquise Litta. Bassett & Washburn seem to have adopted just the treatment this rose requires and the visitors were unanimous in their predictions of a bright future for it.

Brant & Noe lost two-fifths of their pæonies in the severe winter of two years ago, but, as supposedly dead plants continued to appear above the ground all through the following summer, they had hoped that this season might prove their loss to have been considerably less than they had estimated. They were disappointed, however, as hardly a plant appeared during the past summer which had not showed up the year before. There have been large plantings of pæonies for cut flower purposes in various parts of the country this year.

The secretary of the Horticultural Society of Chicago, on being questioned about certain charges which have been publicly and privately made regarding shortages in count on certain exhibits, states as follows: "The occurrence is a most unfortunate one and greatly to be regretted, but positive evidence in my possession indicates beyond the peradventure of a doubt that the exhibits were not tampered with after leaving the hands of the exhibitor and his employes."

Kennicott Bros. Co. is mailing out a new catalogue of wire work and florists' supplies from the press of D. B. Long, of Buffalo. The catalogue is not only an artistic piece of typography but is a novelty in that the use of the wire designs is illustrated with good halftones showing the made-up pieces. It is a catalogue which the user of florists' supplies will be apt to keep, and that is the kind of printing that pays.

The Lincoln Park chrysanthemum show is attracting a great many people. They have a very nice batch of seedlings there, in their third year, some of which they exhibited in the recent flower show. Probably the two best are Mrs. P. M. Woodworth, named for the wife of the president of the Lincoln Park board, and Mrs. J. H. Channon.

A. L. Randall says that he expects a very good trade for Thanksgiving day, with good supplies of carnations, violets and chrysanthemums. He figures that there may be too few roses to meet all demands upon this market, and is advising his customers to book their orders early.

Otto Fehrlin is here from Galveston in search of a business. He is one of the Galveston florists who lost everything, but his life and his bank account, in the great storm of September 8. He contemplates locating in Chicago and has two or three places, which are for sale, in view.

J. A. Lynn is turning out some very nice work in the line of birch bark receptacles for pot covers, ferneries, plant

baskets, etc. His latest plant basket is in the form of a canoe and it is taking well with retail florists.

E. E. Pieser says that of all the carnations coming to this market at present he knows of none which is a better keeper than Irene, the pink seedling which Crabb & Hunter, of Grand Rapids, are to introduce next spring.

Mox Ringier is the latest addition to the force at Amling's. He has been with Frauenfelder on the west side for some time past.

The South Park Commissioners have approved of a rose garden for Washington Park, to be situated west of the conservatory.

A. L. Vaughan, representing Hagemann & Meyer, of New York, returned to town November 13.

St. Louis.

MEETING OF THE FLORISTS' CLUB—INTERESTING PAPERS AND DISCUSSIONS.—OPENING OF THE ANNUAL SHOW.—VARIOUS NOTES OF INTEREST.

The Florists' Club met on Thursday, November 8, with only fourteen members present. Details of the flower show were disposed of and C. C. Sanders read a very interesting paper on hardy plants for florists' use. This brought up a very lively discussion, one of the most interesting speakers being Walter Mott, of Philadelphia. At the next meeting Dr. A. S. Halstead will read an essay on new carnations from a commercial standpoint and F. W. Ude will follow on the same subject. The bowling club will begin practice again next week.

The annual flower show opened on Wednesday, and although the hall is not as large as the Coliseum and there are not as many exhibitors as a year ago, the exhibition is, nevertheless, very creditable. The principal exhibitors are Carl Beyer, Geo. Windles, C. C. Sanders, Michel Plant and Bulb Company, Emil Schray and F. J. Fillmore. Out of town exhibitors were W. J. & M. S. Vesey, Fort Wayne; Nathan Smith & Son, Adrian; E. G. Hill, Richmond, and several others.

Fred. W. Bruenig reports trade picking up and a heavy demand for his stock. He expects to sell out clean on chrysanthemums as everything is good. Mignonette is one of his specialties.

Frank Ellis will open a wholesale cut flower store at 1402 Pine street, Monday, November 19. At the first of the year he will move to a new store that is being fitted up in good shape.

Carl Beyer has some very nice stock at his houses and so have Young & Sons Co. The latter have been giving a chrysanthemum show at their place this week.

F. J. Foster has moved into his new store and has everything in first-class shape. At present he has a great chrysanthemum show in the windows.

Emil Schray has a place which is full of things worth seeing. It is the recipient of a call from nearly every florist visiting St. Louis.

J. W. Dunford, Jr., is again in line with carnations, with old and new sorts, and is likely to offer the best in the market again this year.

The Michel Plant and Bulb Company has some very fine Boston ferns among other good stock.

F. J. Fillmore has just finished repainting his place and has everything snug for winter. M.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—5 times, 5 per cent; 13 times,
10 per cent, 25 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

MRS. HAUSWIRTH, of Chicago, says
that violets best retain their odor in
wooden boxes.

THE executive committee of the American
Rose Society was in session at the
Westminster Hotel, New York, Novem-
ber 16.

C. W. WAERD evidently believes in sub-
irrigation, judging from the large number
of his carnation benches now adapted to
this system of watering.

THE demand for cut flowers and plants
for Thanksgiving day shows an annual
increase. It is rapidly becoming one of
the most important of holidays.

THE report of the annual convention
of the Society of American Florists, held
at New York last August, has been
received from Secretary Stewart.

A FEW jobbers in glass anticipate a
reduction in price owing to the cutting of
some of the independent factories but
good authorities say that present quota-
tions are about down to the cost of pro-
duction and that a general lower price is
hardly in prospect.

Chrysanthemum Society of America.

Following are the reports of the com-
mittees judging seedlings and sports:

CINCINNATI, November 10.—John N.
May, Summit, N. J., exhibited Yanariva,
a flesh pink, Japanese reflexed variety,
which scored 86 points commercial scale.
The foliage on this variety was its weak-
est point.

H. W. Riemann, Indianapolis, Ind.,
exhibited Nellie, a creamy white, Japa-
nese incurved, which scored 87 points
commercial scale.

Theo. Bock, Hamilton, O., exhibited
Arab, a bronze Japanese variety, scoring
79 points commercial scale.

John N. May exhibited Mirabeau, a
yellow Japanese incurved, which scored
80 points commercial scale.

BOSTON, November 10.—Yanariva,
shown by John N. May, scored commer-
cial and exhibition scales 93 points.
Mirabeau, by same exhibitor, scored 67
points commercial scale.

NEW YORK, November 10.—John
Marshall, Purchase, N. Y., exhibited
No. 6, magenta pink, incurved Japanese,
scoring commercial scale 71 points.

John N. May exhibited No. 345, white,
Japanese reflexed, which scored commer-
cial scale 64 points.

John B. Rady, Elmira, N. Y., exhibited
Mrs. J. S. Fasset, light yellow, Japanese,
which scored 59 points commercial scale.

Yanariva, exhibited by John N. May,
scored 77 points commercial scale.

PHILADELPHIA, November 10.—Wm.
Paul Binder, Rider, Md., exhibited
Lillian, creamy white, reflexed Japanese,
which scored 80 points commercial scale,
74 points exhibition scale.

George O. Brown, by same exhibitor,
a very dark rose, reflexed Japanese,
scored 77 points commercial scale, 79
points exhibition scale.

Yanariva, exhibited by John N. May,
scored 86 points commercial scale, 85
points exhibition scale.

The chrysanthemum exhibited by John
Cook, Baltimore, Md., on November 3,
at Philadelphia has been named Joseph
W. Cook.

The "terra cotta red" exhibited by
John N. May at New York on Novem-
ber 3 is named Brutus, and that of the
"very light pink," is Yanariva.

Exhibitors should in all cases mail to
the secretary, legibly written, the name
of the variety which they have sent for
examination to the committees in ample
time, so that same may be correctly
spelled when reported to the horticultu-
ral press. EDWIN LONSDALE, Sec'y.

Too Many Orders.

ED. AM. FLORIST:—Enclosed find check
to balance my account. You may dis-
continue my advertisement. Advertis-
ing in your paper has given me so many
orders for galax leaves that I cannot
fill them all. J. G. LOVEN.

Montezuma, N. C.

Greenhouse Building.

Peabody, Mass.—J. M. Wood & Co.,
one carnation house, one cold storage
house.

New London, Conn.—H. H. Appledore,
one house.

Atlantic Highlands, N. J.—E. A. Palmer,
one house.

South Hadley Falls, Mass.—Jos.
Beach, one house.

Cottage City, Mass.—I. H. Francis,
conservatory.

New Castle, N. H.—Clarence Frazier,
two houses.

Cazenovia, N. Y.—F. G. Lee, one house.

Billerica, Mass.—Chas. Wild, house
26x215.

Norwell, Mass.—C. A. Berry, one house.

Winchester, Mass.—Marshall S.
Symmes, two houses.

Boston.

ANNUAL VISIT TO THE CHRYSANTHEMUM
HOUSES AT WABAN.—QUEEN OF AUTUMN
TO GIVE WAY TO ASPARAGUS THERE.—
BANQUET FOLLOWS THE TOUR OF THE
GREENHOUSES.—FINAL AWARDS AT THE
CHRYSANTHEMUM SHOW.—MARKET
DEBILITATED.—NEED OF MORE BRACING
WEATHER.

The annual visit to the chrysanthemum
houses at Waban Conservatories took
place on Thursday, November 8, about
fifty gentlemen attending. The pilgrim-
age through the big houses disclosed the
usual brilliant show of exhibition blooms
and it was learned with much regret
that this year is the last in which chrys-
anthemums will be grown there, Mr.
Montgomery having decided to devote
these houses to Asparagus plumosus, for
which their height well adapts them.
The opportunity to get asparagus, regu-
larly, of the same high quality that char-
acterizes all other specialties grown at
Waban Conservatories will be welcomed
by the trade generally and the extent of

glass to be devoted to this specialty
assures a steady supply. Among the
newer chrysanthemums admired by the
visitors Ellthorne Beauty, a pink variety,
took the lead. A yellow sport from
Frank Hardy has appeared and Mr.
Montgomery is much pleased with it.
The roses were found in the same excel-
lent shape as heretofore, notwithstanding
the unseasonable warm weather of
the past two weeks, which has set the
crops ahead and started growths that,
unless retarded by a compensating spell
of bleak weather later on, will upset all
calculations as to Christmas crops and
interfere seriously with market condi-
tions generally. More Morgans are
being grown this year than heretofore,
the steady demand for this rose seeming
to warrant its more general cultivation
for this market.

The customary banquet followed the
inspection of the houses, the guests
being conveyed by special car to Wood-
land Park Hotel, at Auburndale, where
a royal good time was enjoyed by all.
Among the visitors who were called upon
and who made appreciative and enter-
taining remarks were John G. Esler, Sad-
dle River, N. J.; Robt. Paterson, Ports-
mouth, N. H.; Wm. Appleton and Wm.
O'Connor, of Providence; Carl Jurgens,
Jr., Newport, and Hermann Thiemann,
Manchester. All the local lights, includ-
ing F. L. Harris, John Galvin, M. H.
Norton, P. Welch, E. N. Pierce, Law-
rence Cotter, Fred. L. Mathieson, War-
ren Ewell and other celebrities, contrib-
uted to the oratory of the occasion and,
in the many compliments extended, Mr.
Montgomery shared the honors with
Mr. Wood. The words of kindly wel-
come uttered by Mr. Wood were received
with vociferous delight and it is safe to
say that had it been possible to decide
his fate as a candidate for the legislature
by a reference to this happy party the
vote would have been an unanimous
affirmative. W. J. Stewart officiated as
toastmaster.

The final awards at the chrysanthemum
show gave Col. Chas. Pfaff, Geo.
Melvin, gardener, the silver medal for
having won the largest number of first
prizes in the large vase competition and
the bronze medal in the same class went
to the Simpkins Estate, John Jeffrey,
gardener, as second in the race. Entries
not mentioned in our report of last week,
because made during the latter days of
the exhibition, were some fine roses from
J. W. Howard, violets, single, from N. F.
Comley and Wm. Sim and double from
Mrs. A. W. Spencer and N. F. Comley, to
whom the prizes were awarded in order
named. Robert Montgomery received a
bronze medal for his new rose, Mrs.
Oliver Ames, the pale pink sport from
Mrs. Pierpont Morgan. The attendance
at the show was very large. Speaking
of the great display of specimen plants
made by John Barr, Mr. W. R. Smith
said enthusiastically, "without a parallel
on earth."

Business in the cut flower section is
exceedingly unsatisfactory. To dispose
of the enormous receipts of chrysanthem-
ums, roses and carnations that have
been coming to the market daily has been
out of the question and the wholesalers
are swamped, ice boxes overflowing with
material held over necessarily from one
day to another until ready to drop to
pieces. All are looking for some real
November weather to come and even
things up. Should Thanksgiving bring
in such a period there is likely to be some
old-fashioned hustling for flowers, as
everything in the shape of a bud is being

pushed along prematurely, and, as it appears that late-blooming varieties of chrysanthemums are fully two weeks ahead of their time, no interference with a big upward movement in prices is likely to come from the chrysanthemum.

H. Stevens has opened a flower store at 20 Pearl street, Somerville.

Visitors: W. R. Smith, Washington; J. G. Esler, Saddle River, N. J.; Carl Jurgens, Jr., Newport, R. I.; P. J. Donahue, Lenox; Wm. Appleton, E. J. Johnston and Wm. O'Connor, Providence.

Toronto.

ERRATIC WEATHER AFFECTS TRADE CONDITIONS.—PLENTY OF STOCK IN THE STAPLES—VARIOUS NOTES.

Rain, sleet and snow have retarded business for the past week, but now that we have about four inches of snow with about 15° of frost we hope to get over this erratic streak and continue the month in the good way we started. Chrysanthemums are plentiful and some very good ones are coming in. At present Golden Wedding is about the best, but as this variety was too late for show purposes they were not deprived of their good blooms like the others. Philadelphia is also very large at present, but the color is too pale to take with most people. Of other varieties Mrs. Perrin, Mrs. Weeks, President Smith, Major Bonnaffon, Black Hawk and Niveus seem to be about the best. Ivory is not as large as in former years. Good roses are plentiful and some good teas are to be had but Beauties are not as good nor as plentiful as compared with the same time a year ago. Violets, orchids and lily of the valley are about the only flowers we are short of.

Grobba & Wandery are sending some fine Washingtonensis fern to the city and it is a very good seller when properly grown. Three and four plants are placed together in a 10-inch pan and, although more expensive than the Boston, sells quite as well. Ferns are a specialty with this firm and after sending out thousands this fall one would wonder where they were taken from, as the houses seem quite full.

Miller & Son are showing Timothy Eaton in New York and Philadelphia this week, but at the time of writing do not know how they fared.

F. Brown has opened his new store.
H. Y. D.

OBITUARY.

LUCIUS D. DAVIS.

Lucius D. Davis, a well known journalist and advocate of horticulture, of Newport, R. I., died recently at the age of 75.

EDWARD Pynaert.

European journals record the death of Edward Pynaert, the famous Belgian horticulturist, October 28. He was born at Ghent, Belgium, in 1835.

HENRY MILLER.

Henry Miller, one of the oldest and best known florists of Brooklyn, died, after a short illness, Sunday, November 11, at his home on Jamaica avenue, aged 78 years. He was born at Alzey, Germany, February 19, 1823, and came to this country in 1841, securing a position as gardener at Ex-governor Morris' for three years, after which he started in business for himself in the old town of New Lots, now the Twenty-sixth ward

of Brooklyn. It was there that he conducted his business until three years ago, when he retired and was succeeded by his son, A. L. Miller.

HERMAN W. LIEDERLEY.

Herman W. Liederley, a well-known florist of Lansingburgh, near Troy, N. Y., and a citizen highly respected and esteemed, died suddenly November 9. Though Mr. Liederley had been complaining recently of stomach trouble, it was not supposed that his illness was of a serious nature, and his death was a shock to his many friends. Mr. and Mrs. Liederley were contemplating a trip to Europe in the near future. The deceased was fifty-three years of age. He conducted for many years a florist's business at the corner of Fifth avenue and Third street, Lansingburgh. He had conducted greenhouses in Troy and Lansingburgh for the last thirty years. He was born in Berlin, Germany.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2320 South Park Ave., Chicago.

SITUATION WANTED—By young man, age 20. In store or greenhouse; 3 years' experience. References. CHAS. E. IZOR, Paducah, Ky.

SITUATION WANTED—By an all-around florist; 20 years in the business as grower and propagator. References. Address ENGLISH, 110 Germantown Ave., Philadelphia, Pa.

SITUATION WANTED—By a good German florist, single. Capable of taking charge; good grower of cut flowers and general stock; references; state wages. Address K, care American Florist.

SITUATION WANTED—As working foreman on roses and general stock; 12 years' experience in this country and 12 years in England. State wages, etc. WM. KIRKHAM 596-8 Sheffield Av., Chicago.

SITUATION WANTED—By an up-to-date all-around florist, as foreman or manager; 16 years' experience in cut flowers and general pot plants; first-class references; state terms and wages. Address B L, 1652 N. Halsted street, Chicago, Ill.

SITUATION WANTED—As working foreman, good grower and propagator of roses and general florists' stock. English and American experience; married; first-class references. Please state wages. Address SPADE, care American Florist.

SITUATION WANTED—By a strictly first-class up-to-date grower of high grade cut flowers as foreman or to take charge of section; 15 years experience, excellent reference. None but first-class up-to-date places need apply. BEAUTY, care Am. florist.

SITUATION WANTED—By Scotch gardener, single. Age 29, 11 1/2 years' experience in the different branches of gardening. Desires position of responsibility in private garden. Can be released from present situation at convenience. Address A S O, care American Florist.

WANTED—Vegetable gardener for greenhouse and field; all year work. Address Box 141, Station 1 Des Moines, Iowa.

WANTED—Competent grower for 10,000 square ft. References required. Address WM. GERKE, 212 N. Todd Ave., Warren, O.

WANTED—Young man with some knowledge of greenhouse work. State wages wanted with board. Address B, care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—A man who has had practical experience in Holland in the growing of Dutch bulbs. Address with references A S, care Am Florist.

WANTED—Boys to learn the greenhouse business, the growing of roses and carnations. In answering state age. Address JOHN L. WYLAND, De Haven, Pa.

WANTED—For Wisconsin, all-around man for general greenhouse work. Reliable and industrious. A good place for the right man. References. Address M G, care American Florist.

WANTED AT ONCE—Young man with experience in growing roses, carnations, to work under foreman good steady place for right party; references. Address FOSTORIA FLORAL CO., Fostoria, O.

WANTED—A young, married man to take charge of small quantity of glass; must be honest and capable. State wages and full particulars to ST. MARY'S GREENHOUSE CO., Ltd., St. Marys, Pa.

WANTED—An experienced florist and landscape gardener. Must furnish acceptable references as to competency in growing, designing, etc. Address SUPT. KANSAS STATE INSANE ASYLUM, Topeka, Kas.

WANTED—Young man with some experience to work in greenhouses, roses, carnations and cut flowers generally. Must have references from last employer. State wages wanted with board. Address R, care American Florist.

WANTED—A good sober, steady man to work in a small plant. Must be willing to do any work connected with the business. State wages. A steady place to good man. Address W H. WRIGHT, Vicksburg, Miss.

FOR SALE—225 feet 4-inch cast iron pipe, at 10c per ft. Also number of fittings; all in good condition. F. W. CUSIER, Pontiac, Ill.

FOR SALE—400 feet 4-inch cast iron pipe in first-class condition. No broken hubs 10 cent. per foot. Address W. L. SMITH, Aurora, Ill.

FOR RENT—Greenhouses and office, one 125x20; one 25x20; 14 city lots, 25x100; two story dwelling house for two families. Opposite main entrance to St. Michael's cemetery. Established 1888. Address W. H. SCHEURER, 532 Flushing Ave., Astoria, L. I., N. Y.

FOR SALE—In the west, lease and stock of five greenhouses; the best market in the country for cut flowers and bedding plants; very cheap fuel. \$500 cash. Cause for selling, other business. Write for particulars. Low rent. Address J A R, care American Florist.

FOR SALE OR RENT. Excellent establishment of 4000 sq. feet of glass in Chicago, stocked with carnations and miscellaneous plants; 6 room dwelling; near Ry. and electric car. Address M T, care American Florist.

FOR SALE.

Greenhouse plant of 6 house in Jersey City well stocked and in full operation. Address

JOHN MORRELL,
92 Danforth Ave., Jersey City, N. J.

WANTED.

Good working foreman for range of eight greenhouses 20x100, near Chicago. Must thoroughly understand growing roses, carnations, mums and general bedding stock. A steady place for the right party. Address

ALBERT SCHNEIDER, Oak Park, Ill.

FOR SALE.

Two second-hand tubular boilers, 60 H. P. each, complete with fronts and all fixtures. Inquire of

FRAZER & JONES CO., Syracuse, N. Y.

FOR SALE. Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago. 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 6 of carnations 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

Wholesale Store, Minneapolis, Minn.

Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. **BRANT & NOE.**
Minneapolis, Minn.

Carnation Blooms

SHIPPED DIRECT FROM GREENHOUSE TO ALL POINTS.

Chicago Carnation Co., JOLIET, ILL.

Wholesale Flower Markets

CINCINNATI, Nov. 15.	
Roses, Beauty.....	10.00@25.00
" Bride.....	3.00@ 5.00
" Bridesmaid.....	3.00@ 5.00
" Meteor.....	3.00@ 5.00
" Perle.....	3.00@ 4.00
Carnations.....	1.00@ 2.00
Chrysanthemums.....	10.00@20.00
Violets.....	.50@ .75
Lily of the valley.....	4.00
Smilax.....	12.50@15.00
Adiantum.....	1.00
Common ferns.....	.15
Asparagus.....	50.00
Galax leaves.....	.15
St. Louis, Nov. 15.	
Roses, Bride, Bridemaid.....	2.00@ 4.00
" Beauty, 12 to 20 inch stems.....	8.00@15.00
" " long.....	18.00@25.00
" Perle.....	2.00@ 4.00
" Meteor.....	2.00@ 5.00
" Kaiserin.....	2.00@ 5.00
Carnations, common.....	.75@ 1.00
" choice.....	1.50@ 2.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00
Tuberoses.....	2.00@ 3.00
Galax.....per 1000	1.00 .15
Chrysanthemums.....	4.00@10.00
" fancy.....	15.00@25.00
Violets.....	.25@ .35
MILWAUKEE, Nov. 15	
Roses, Beauty, long, per doz.	2.00@ 3.00
" " med " "	1.00@ 1.50
" " short " "	.50@ .75
" Bride, Bridemaid.....	2.00@ 5.00
" Meteor.....	2.00@ 5.00
" Golden Gate.....	4.00@ 6.00
" Perle.....	2.00@ 4.00
Carnations, ordinary.....	1.00@ 1.50
" fancy.....	2.00
Adiantum.....	.75@ 1.00
Common ferns.....	.25
Smilax.....	15.00
Asparagus.....	65.00
Galax leaves.....	.20
Mums, fancy, per doz	1.50@ 2.00
" ordinary " "	.50@ 1.00
Violets.....	.50@ .75
Stevia.....	2.00@ 3.00
PITTSBURG, Nov. 15.	
Roses, Beauty, fancy.....	20.00@80.00
" " extra.....	12.00@15.00
" " No. 1.....	6.00@10.00
" " culls.....	3.00@ 5.00
" Bride, Bridemaid.....	1.00@ 8.00
" Meteor.....	2.00@ 6.00
" Perle.....	2.00@ 4.00
" Cusin.....	2.00@ 4.00
" Liberty.....	2.00@ 4.00
Carnations, ordinary.....	.75@ 1.00
" fancy.....	1.50@ 2.00
Lily of the valley.....	2.00@ 4.00
Smilax.....	10.00@15.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
" Sprengerii.....	.15@ .50
Dagger ferns.....per 1000	2.00
Chrysanthemums, fancy.....	10.00@20.00
" ordinary.....	4.00@ 8.00
DENVER, Nov. 14.	
Roses, Beauty, select.....	12.50@25.00
" " ordinary.....	4.00@ 7.00
" Bride, Bridemaid.....	3.00@ 5.00
" Meteor.....	3.00@ 5.00
" Perle, Wootton.....	3.00@ 4.00
Carnations, ordinary.....	1.00@ 1.50
" fancy.....	2.00
Lily of the valley.....	4.00
Callas.....	12.50
Harrish.....	12.50
Violets single.....	.75
" double.....	.50@ .75
Galax Leaves.....	.20
Asparagus.....	60.00
Smilax.....	15.00
Ferns, per 1000.....	2.50
Chrysanthemums, long, per doz.	1.75@2.50
" short.....	6.00@10.00

Chrysanthemums

FOR.....
THANKSGIVING.

WE have made arrangements for a very fine lot of 'mums for Thanksgiving trade. This will be FANCY stock and in limited quantities. Place your orders early.

We have constantly on hand a lot of all grades of 'mums.

Our ROSES and CARNATIONS all that can be expected.

CALDWELL'S WILD SMILAX,

No. 1 contains 15 lbs.,	\$2.50	which is conceded to be the very best that is in the market.
No. 2 " 20 " "	3.25	
No. 3 " 25 " "	3.75	
No. 4 " 35 " "	4.50	
No. 5 " 40 " "	5.50	
No. 6 " 50 " "	6.50	

CATTLEYAS

\$6.00 per doz.

J. B. DEAMUD, 51 & 53 Wabash Ave., CHICAGO.

BENTHEY & CO.

F. F. BENTHEY, Manager.

Wholesale and Commission... FLORISTS,

CONSIGNMENTS SOLICITED.

41 Randolph St., CHICAGO.

ROSES.		CARNATIONS, fancy.....per 100, \$1.50 to \$2.00
Am. Beauties, long.....per doz.	\$2.00 to \$3.00	
" " medium.....	1.00 to 1.50	" " good quality..... " 1.00
" " short.....	.75 to 1.00	VIOLETS, good single..... " 1.00
Brides and Maids.....per 100,	3.00 to 4.00	ORCHIDS, Cattleyas.....per doz.
Perles.....	3.00 to 4.00	VALLEY.....per 100,
Kaiserin.....	4.00 to 5.00	4.00 to 5.00
Meteors.....	3.00 to 5.00	SMILAX.....per 100,
" MUMS, select.....\$15 to \$20 per 100		12.00 to 15.00
" good stock..... 5 to 10 per 100		ASPARGUS.....per string, .50 to .75
		ADIANTUM.....per 100, .75 to 1.00
		WOOD FERNS.....per 1000, 1.50

HOLTON & HUNKEL CO.,
-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.

504

ALL FLOWERS IN SEASON.

PITTSBURG, PA.

ONE DOLLAR FIFTY PER 1000 FOR

BRONZE GALAX LEAVES

Delivered NOW FREE, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for Ten Cents.

AMERICAN ROSE CO., Washington, D. C.

CHOICE GREEN AND BRONZE GALAX,

New Crop. Price 60c per 1000. Postage Prepaid. Small Orders a Speciality. Address **H. H. HILL, VICTORIA, Macon Co., N. C.**

Stop Walking the Floor. You won't be disappointed if you place your orders for

SOUTHERN WILD SMILAX

With CALDWELL THE WOODMAN CO., Evergreen, Ala., or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace." N. B. We also sell some Holly.

FIRST QUALITY LEUCOTHOE SPRAYS,

delivered by express for \$3.00 per thousand. CASH WITH ORDER.

R. A. LEE, EVERGREEN, ALA.

It is impossible to predict with accuracy the supplies which will be available for

...THANKSGIVING DAY...

but rest assured that whatever is to be had in Chicago can be obtained of us, all grades, from medium to fancy, at prevailing market rates at hour of shipment.

Let us handle your order.

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street. CHICAGO, ILL.

Long Distance 'Phone 1977 Central.

PRICE LIST FOR CURRENT WEEK.

BEAUTIES

Extra long stem.....	per dozen,	\$4.00—\$5.00
Stems, 30 inches.....	"	3.00
" 24 ".....	"	2.50
" 20 ".....	"	2.00
" 15 ".....	"	1.50
" 12 ".....	"	1.25
" 8 ".....	"	1.00
Brides and Maids.....	per 100,	4.00—6.00
Meteors and Kaiserin.....	"	4.00—6.00
Perles.....	"	4.00—5.00
Roses, good seconds.....	"	1.00—3.00
Carnations, standard sorts.....	"	2.00—3.00
Fancy sorts.....	per doz.,	2.00—3.00
Mums, select.....	per 100,	8.00—12.00
" medium.....	"	.25
Alyssum.....	"	4.00—5.00
Valley.....	"	1.00—1.50
Violets.....	per doz.,	.35—1.50
Mignonette.....	"	.50—
Asparagus.....	per string,	.15
Galax, 1000, \$1; 10,000 for \$7.50; per 100,	"	.20
Ferns, per 1000, \$1.50.....	"	.75
Lencothoe sprays.....	"	.75—1.00
Adiantum.....	per dozen,	1.50—2.00
Smilax.....	per case,	3.25
Wild Smilax, parlor brand.....	"	4.25
" " medium.....	"	5.50
" " large.....	"	

WEILAND-AND-RISCH

GROWERS and SHIPPERS,

59 WABASH AVE. CHICAGO.

American Beauty,	Per dozen.	ROSES	Per 100
36-in. stems.....	\$3.00	Liberty.....	\$3.00 to \$5.00
30 ".....	2.50	Golden Gate.....	4.00 to 6.00
24 ".....	2.00	Brides, Maids.....	3.00 to 5.00
20 ".....	1.50	Meteors.....	3.00 to 5.00
15 ".....	1.25	Kaiserin.....	4.00 to 6.00
12 ".....	1.00	Perles.....	3.00 to 4.00
short stems.....	.75	Seconds.....	2.00
Carnations.....	per 100, \$1 to 1.50	Ferns, per 1000, \$1.50.....	.20
Fancy.....	\$2.00 to 2.50	Asparagus.....	per string, .50
Violets.....	per 100, 75c to 1.00	Smilax.....	per doz., \$1.25 to 1.50
Valley.....	per 100, 4.00	Chrysanthemums.....	1.50 to 3.00
Cattleyas.....	per doz., 6.00	Adiantum.....	per 100, .75
Wild Smilax, Parlor brand, per case,	\$3.25; medium, \$4.25; large, \$5.50		

WE SOLICIT A TRIAL ORDER... IMMEDIATE ATTENTION

CONSIGNMENTS OF VIOLETS WANTED.

WHOLESALE FLORISTS

E. H. Hunt

THE "OLD RELIABLE" FOR
WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.
Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties
We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

It is good business policy to mention the

...American Florist

when you write to an advertiser.

J. A. BUDLONG,

WHOLESALE GROWER OF

Cut Flowers

ROSES AND CARNATIONS
A SPECIALTY.

37-39 Randolph St., CHICAGO, ILL.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

75 and 78 Wabash Avenues,
Telephone Main 3208. CHICAGO.

Wholesale Flower Markets

CHICAGO, Nov. 16.

Roses, Beauty, extra long stems	4.00@5.00
" " 30 inch	3.50
" " 24 " "	2.50@3.00
" " 20 " "	2.00
" " 15 " "	1.50
" " 12 " "	1.25
" " 8 " "	1.00
" " Bride, Bridesmaid.....	4.00@ 6.00
" " Perle.....	4.00@ 5.00
" " Meteor.....	4.00@ 6.00
" " La France.....	3.00@ 5.00
" " Golden Gate.....	4.00@ 6.00
" " Liberty.....	4.00@ 6.00
" " Kaiserin.....	4.00@ 6.00
Carnations.....	1.25@ 1.50
" " fancy.....	2.00@ 2.50
Chrysanthemums, per doz	1.00@2.50
Violets.....	1.00@ 1.50
Lily of the valley.....	4.00@ 5.00
Adiantum.....	.75
Common ferns.....	per 1,000 1.50 .20
Smilax.....	per dozen 1.50@ 2.00
Asparagus.....	per dozen 6.00@ 9.00

A. H. POEHLMANN,

Wholesale Grower of Cut Flowers

All telegraph and telephone orders given prompt attention.

55 Wabash Avenue, CHICAGO.

Do not hide your light under a bushel.
Tell the people what you have for sale.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street. BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, \$2 per 100. Script Letters, \$4 per 100. Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES. Acknowledged by all florists the best in use. Special prices for doz. lots.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade
 With Highest Grade

**ROSES GARNATIONS,
 CHRYSANTHEMUMS,
 VIOLETS** and all flowers the
 Boston market affords.

PRICES RIGHT AND PACKING PROPERLY DONE.

N. F. McCARTHY & CO.,

Tel. 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing.



FANCY

DAGGER

HARDY CUT FERNS

In 1000 lots, 75c per M. Discount on larger orders.
 Also dealer in Sphagnum Moss, Bouquet
 Green, Christmas Trees, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

Geo. A. Sutherland, Boston Flowers.
 WHOLESALE DEPOT FOR

All Florists' Supplies,

Price lists mailed. 67 BROMFIELD ST.,
 BOSTON, MASS.

**JNO. H. DUNLOP,
 CHOICE Cut Flowers**

All orders receive most careful attention.
 TORONTO, ONT., CANADA.
 Six prizes American Rose Society, New York City.

**H.G. BERNING
 Wholesale Florist,**

SUCCESSOR TO
 ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Wholesale Flower Markets

PHILADELPHIA, Nov. 14.

Roses, Tea.....	2.00@ 3.00
" " extra.....	4.00@ 6.00
" Beauty, extra.....	20.00@30.00
" firsts.....	8.00@15.00
Carnations.....	.75@ 1.00
" fancy.....	1.50@ 2.00
Lily of the valley.....	3.00@ 4.00
Chrysanthemums.....	5.00@20.00
Violets, single.....	.25@ .50
" double.....	.50@ .75
Asparagus.....	25.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00

BOSTON, Nov. 14.

Roses, Beauty, extra.....	15.00@25.00
" " medium.....	6.00@12.00
" " culls.....	2.00@ 5.00
" " Bride, Bridesmaid, Meteor.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" " Kaiserin, Carrol.....	4.00@ 8.00
Carnations.....	.50@ 2.00
Lily of the valley.....	2.00@ 4.00
Chrysanthemums.....	4.00@20.00
Violets.....	.25@ .50
Cattleyas.....	30.00@40.00
Adiantum.....	.50@ 1.00
Smilax.....	8.00@12.00
Asparagus.....	50.00
" Sprengerlii, .20@ .25 per bunch	

BUFFALO, Nov. 15.

Roses, Beauty.....	10.00@25.00
" " Bride, Bridesmaid, Meteor.....	3.00@ 7.00
" " Kaiserin.....	6.00@ 7.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Asparagus.....	50.00@75.00
Chrysanthemums.....	10.00@20.00
Violets.....	.40@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of
 Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Com-
 mission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

**C. A. KUEHN,
 Wholesale Florist,**

1122 PINE STREET,
 ST. LOUIS, MO.

A complete line of Wire Designs.

**Woodroffe & Bernheimer,
 Wholesale Florists**

1604 LUDLOW STREET,
 PHILADELPHIA
 Phone 1-42-69-A. Consignments Solicited.

**LEO. NIESSEN,
 Wholesale Florist,**

N. W. COR. 13TH AND FILBERT STREETS,
 PHILADELPHIA, PA.
 LONG DISTANCE PHONE 3-45-94 D. Consignments of Choice Valley and Roses solicited.

**Geo. M. Moss,
 WHOLESALE FLORIST,**

32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-28 D.
 Consignments of Roses, Carnations, Violets solicited.

**CHAS. B. STAHL
 Wholesale Florist,**

27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will
 receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG...
 Largest Grower of... Cut Flowers
 in the West.

Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE PHONE AT EITHER PLACE

**JOHN B. FERGUSON,
 Wholesale Florist,**

NO. 6 DIAMOND MARKET SQUARE,
 PITTSBURG, PA.
 Consignments of Roses, Carnations and Violets
 Solicited.

**The Cincinnati
 Cut Flower Co.,**

416 Walnut St., WHOLESALE FLORISTS,
 CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders.

I Have Room for a Few More Regular Consignors of Good Roses. ❀ ❀
A. H. LANGJAHR, 19 Boerum Place,
 BROOKLYN, N. Y.

OVER 150 FLOWER STORES IN BROOKLYN. MONEY SURE. TEN YEARS ESTABLISHED

TOP GRADE Carnations

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.
TELEPHONE 2065 MADISON SQUARE.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

WILLIAM GHORMLEY, Wholesale Commission Florist,

Telephone 2200
Madison Square. 57 W. 28th. St., NEW YORK CITY.
....LIBERTY, BEAUTY AND OTHER CHOICE STOCK....
—BEST IN THE COUNTRY.—

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR
Violets & Carnations.
GROWERS and BUYERS make a note of this. It
will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 551 Madison Square.

**FRANK MILLANG,
CUT FLOWERS,**
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cut Flower Exchange.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....
DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.
MOORE, HENTZ & NASH,
Wholesale Commission Florists,

At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.
Rose, Violet and Carnation Growers,
Consign to

M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

New York, Nov 14.

Roses, Beauty, select	15.00@35.00
" " medium	6.00@12.00
" " culls	3.00@ 5.00
" " Bridesmaid, Bride, Meteor	2.00@ 4.00
" " select	6.00@ 8.00
Carnations	.50@ 1.00
" " fancy	3.00@ 5.00
Lily of the valley	3.00@ 5.00
Catleyas	40.00@50.00
Dendrobium formosum	20.00@25.00
Chrysanthemums	2.00@ 6.00
" " selected blooms	12.00@20.00
" " finest	35.00@40.00
Smilax	10.00@12.00
Asparagus	25.00@40.00
" " Sprengerii, per doz. bua.	.75@1.00
Adiantum	.50@ .75
Violets	.50@ 1.00
" " special	1.50@ 2.00
Paper White narcissus	2.00@3.00
Gardenias	10.00@12.00

HEADQUARTERS OF THE HUSTLER...
**CHAS. MILLANG,
WHOLESALE
Commission Florist,**
48 West 29th St., NEW YORK.
Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.
GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.

ALEX. J. GUTTMAN,
Wholesale Commission Florist,
52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.

CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

**GEORGE SALTFORD,
Violets**
... Wholesale ...
Commission Dealer in
50 W. 29th St., NEW YORK.
Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.
...Wholesale Florists
111 West 30th Street, NEW YORK.
READY FOR VIOLETS. Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

**S. J. LIMPRECHT,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.**
Also all kinds of Greens for Decorations.
119 West 30th Street.
Telephone 1438 Madison Square. NEW YORK.
Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates
M. A. HART,
44 W. 29th St., NEW YORK CITY.

You Can Make Money
By Dealing With

J. K. ALLEN,

The Busiest Wholesaler
in New York.

Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq. 106 West 28th Street.

Season Open EDW. C. HORAN, Special in Roses:

Violets
'Mums
Gardenias

Tel. 421
Madison Square,NEW YORK.

CUT FLOWERS AT WHOLESALE.

Liberty, Pres. Carnot,
Kaiserin, Meteor,
Bon Silence.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO,
Vice-Pres.; S. F. WILLARD Wethersfield, Conn.,
Sec'y and Treas.

ONION seed remains very quiet—little doing.

ALASKA peas have made a stiff advance. Bean deliveries are disappointing.

PERRY WATSON, of Sacramento, Cal., is in New York on his way to England.

THE COX Seed Co., of San Francisco, is closing up its New York branch at 14 and 16 Ninth avenue.

VISITED CHICAGO: W. R. Roach, representing Jerome B. Rice & Co., of Cambridge, N. Y., going eastward.

THE Toledo clover seed market has recently shown a better tone. A large foreign order reduced stocks considerably last week.

SWEET CORN for seed has ripened well owing to the continued warm weather in September and October and is being offered freely.

THE output of bouquet green from the Wisconsin district is likely to be only from sixty to seventy per cent of an average crop, possibly less.

A. C. NELLIS, of New York, according to the *Grain Dealers' Journal*, is buying fifty car loads of seed in California to fill his contract with the government.

BOSTON, Mass.—Sixty cases of Japan longiflorum bulbs, sold at auction by the appraiser, were bought by E. N. Pierce at an average price of four dollars.

REPORTS from Hamburg, Germany, indicate that owing to very unfavorable weather the assorting of the valley pips by the growers in the fields has been delayed. The same reports indicate a firm market, the medium grades being generally short.

CROMWELL, CONN.—John Carlin, of the A. N. Pierson establishment, and Miss Anna Johnson were married on the evening of November 3.

MOBILE, ALA.—Miss Maria Minge has secured a window and space in the store of Chas. Mohr & Son in which to conduct a retail flower stand.



SILVER BIRCH BARK WARE.

Prices per Doz.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4 in. \$1.80; 5-in. \$2.40; 6 in. \$3.00; 7-in. \$3.60; 8 in. \$4.20.

J. A. LYNN, 1442 Wrihthood Ave., CHICAGO.

JAPAN LILIIUM LONGIFLORUM

200 cases 7 to 9 \$30.00 per 1000 bulbs.

WINDSOR FLOWER SEED CO., 2 Milwaukee, Ave., DETROIT, MICH.

CHRYSANTHEMUM Col. D. Appleton

This variety, which we introduced last spring, has proved to be a prize-winner in every respect, and is undoubtedly the finest yellow chrysanthemum grown today, either for commercial purposes or for exhibition. If you failed to secure a stock of it last spring, let us book your order at once, while you think of it, for a stock of this for next year. This is not a variety that can only be grown by experts, but it is one of the healthiest growers and the most easily grown of all the varieties. It is a wonderfully healthy grower, with the most perfect foliage, and can be grown to perfection under ordinary culture; it is as easily grown as any variety that we know of. It has a magnificent flower of large size, and meets all the requirements of a commercial and exhibition sort. Let us book your order at once for spring delivery. We can furnish fine plants of the true stock. Plants ready February 1, 1901. Price \$8.00 per 100.

LILY OF THE VALLEY has now arrived, and we have filled all orders in hand and have a small surplus. Advices from Europe are to the effect that the crop runs very much shorter than expected and that prices have advanced, and it is doubtful if all orders will be filled in full. If you have not already secured your supplies we would advise you to place your order without delay.

We offer extra quality three-year-old German pips, first-class quality—\$22.50 per case 2500 pips; in smaller quantities, \$10.00 per thousand. Our Pierson's Premier is a fine selected Valley for those who want a superior article at a moderate price. This is a grade that will sell largely. \$27.50 per case, 2500 pips; in smaller quantities \$12.50 per thousand. Pierson's Perfection, an extra selected grade for those who desire the very finest Valley obtainable, and a grade that should be used for very early forcing. No better Valley can be supplied than this grade. It will produce the largest spikes, with the greatest number of bells, and will give the very largest percentage of first-class flowers; can be forced earlier than any other quality. \$32.50 per case 2500 pips; in smaller quantities, \$15.00 per thousand. We are also in receipt of our importations of

SPIRAEA. Stock is in fine shape. We have a small surplus, and offer it as long as unsold at the following prices:

- JAPONICA.....\$8.00 per case 250 clumps; less quantities, \$4.00 per 100.
- COMPACTA MULTIFLORA..... 9.00 per case 250 clumps; less quantities, 4.50 per 100.
- ASTILBOIDES FLORIBUNDA.... 9.00 per case 250 clumps; less quantities, 4.50 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

JOHNSON & STOKES' Special Offer.

- LILIIUM AURATUM, 7-9, at.....\$4 per 100.
- " RUBRUM, 7-9, at.....\$4 per 100.
- " ALBUM, 7-9, at.....\$5 per 100.
- CHINESE SACRED LILIES, per basket (30 bulbs), \$1.40; per mat (120 bulbs), \$5.
- FRENCH WHITE ROMAN HYACINTHS, 12-15c, \$1.60 per hundred; \$15 per 1000.
- PAPER WHITE GRAND FLORA NARCISSUS, 75c per 100; \$6.50 per 1000.
- FINE MIXED TULIPS, 75c per 100; \$6.50 per 1000.
- FREESIA REFRACTA ALBA, 50c 100; \$4.00 per 1000.

JOHNSON & STOKES, Seedsmen, - - 217-219 Market Street, PHILADELPHIA, PA.

LAST CALL!

CHOICE

JAPAN * * *

LILIIUM LONGIFLORUM

IN ALL SIZES.

Prices on application.

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

PALM FIBRE....

Large consignment just received. Price on application.

SUZUKI & HOA, 11 Barclay St., New York.

Please mention the American Florist when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY

- LILIIUM LONGIFLORUM Japan, 100 1000
- 5 to 7-inches.....\$2.00 \$18 00
- 6 to 8 " 3.00 27 00
- 7 to 9 " 4.50 40 00
- 9 to 10 " 90 00

LILIIUM HARRISII, 7 to 9-inch... 8.00 75.00
Dulch Hyacinths, Narcissus, Tulips, &c.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Sable, Alalfa Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato

Wholesale prices for present or future deliveries. WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

Please mention the American Florist when writing.

KENNICOTT BROS. CO.

Wholesale Commission Florists

42 and 44 E. Randolph St.

CHICAGO.

Write for our prices on WIRE WORK. You can't duplicate them anywhere.

Chrysanthemums,

Fancy, per doz., \$2.50
 Medium, " \$1.25 to \$1.50
 Common, " 50c to \$1.00

Violets, Per 100, \$1.25 to \$1.50

Mahonia Leaves, \$1.00 per 100

THE KENNICOTT BROS. CO. controls as much glass, if not more than any other firm in Chicago; therefore we pride ourselves on being able AT ALL TIMES to handle ALL ORDERS for ALL CLASSES OF FLOWERS in season. Prices, regardless of list and printed forms, are billed at Chicago market rates at date of shipment.

Just at present Roses are NOT PLENTY, but we have a large supply of 'MUMS, VIOLETS, CARNATIONS, SMILAX. If you want anything you can be sure of getting it as good as Chicago has got by placing your order with us.

**SEE THANKSGIVING PRICES
 IN NEXT WEEK'S PAPER.**

**A WORD TO THE GROWERS OF
 CARNATIONS** ❁ ❁

We have sold the cut of IRENE, a pink carnation, and consider it one of the best commercial sorts we have ever handled. We are now booking orders for cuttings. Place your orders NOW.

\$1.50 per dozen; \$10 per 100; \$75 per 1000.

Store open until 6:30 p. m. week days; until noon Sundays and holidays.

The finest Illustrated Catalogue ever issued for WIRE WORK and FLORISTS' SUPPLIES, sent free upon request.

Price List

	Per 100.
Beauties, long.....	\$20.00 to \$35.00
" medium.....	15.00 to 18.00
" short.....	8.00 to 10.00
Brides, Maids.....	3.00 to 5.00
Perles and Meteors.....	3.00 to 5.00
Roses, our selection.....	3.00
Carnations.....	1.25
" named vars.	1.50 to 2.50
Violets.....	1.25 to 1.50
Valley.....	4.00 to 5.00
Adiantum.....	.75 to 1.00
Chrysanthemums,	
Fancy, per doz.....	2.50
Medium, ".....	1.25 to 1.50
Common, ".....	.50 to 1.00
Common Ferns, selected, per 1000,	2.00
Smilax.....per doz., \$1.25 to	1.50
Asparagus.....	6.00
Leucothoe Sprays, per 100, 75c to	1.00
Galax, Green.....per 1000,	1.00
Mahonia Leaves.....per 100,	1.00

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THERE is a scarcity of two-year cherry trees among western nurserymen.

THE Cumberland Nurseries have been incorporated at Jersey City, N. J., with a capital stock of \$100,000.

It seems that the fall deliveries of nursery stock have not been quite so heavy as generally expected.

In a recent bulletin (No. 175) of the North Carolina Experiment Station W. W. Ashe describes twenty-one new North American species of crataegus.

CERASUS PADUS is gaining in popularity as a lawn tree. It may be grown either branched to the ground or trimmed to a single trunk with large, round head.

THE Jackson & Perkins Co., Newark, N. Y., note a tendency to defer orchard planting until spring, which meets with their approval, as they think it harmful to dig stock so early as is required for many fall plantings.

Louisville, Ky.

Cut chrysanthemums have sold well this season, many florists having sold out right along. The retail price ranged from \$1.50 to \$3.00 per dozen.

The Knights Templar have their conclave here next August and several nice orders for decorating buildings have already been placed.

Mrs. L. Gibson died November 4, aged 58 years. She was the wife of one of the oldest florists in Louisville.

The Society of Kentucky Florists has abandoned having a chrysanthemum show this fall.

Jacob Schultz and Nanz & Neuner will have chrysanthemum shows at their stores. H. G. W.

KENT, O.—George F. Braybon has received word of the death of his uncle, David Sprigins, an old time florist at St. Albans, England.

WILMINGTON, DEL.—M. F. Hayden is growing his roses in solid beds instead of on tables and thus far in the season is more than pleased at the results.

ERIE, PA.—During the past week S. Alfred Baur has been assisting the Girl's Friendly Society of St. Paul's church to make a success of the chrysanthemum show at the parish house.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches;
Otaksa, Red Branched, Thos. Hogg,
PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Letters to our representative MR. J. AUSTIN SHAW, may be sent until further notice, to 271 Broadway, New York City.

Jackson & Perkins Co., Newark, N. J.

WHERE are you going to ? Our stock is buy your Holly ready for shipment. Sample 10 pound box, \$1. Send for it. It's strictly fine. Caldwell The Woodsman Co., Evergreen, Ala. P. S. We also sell some Wild Smilax.

HOLLY! HOLLY!

We shall have the best Christmas Holly ever seen in the Boston market. Every case carefully filled by our own men with specially selected branches. NO RUBBISH.

SURE QUALITY AND SURE DELIVERY. PRICES READY NOW.

N. F. McCARTHY & CO.

84 Hawley St., BOSTON, MASS.

Please mention the American Florist when writing

BULBS! BULBS! BULBS! White Romans, 12-15, at \$1.60 per 100. Double Nosed Von Sion (large) \$2.00 per 100. Paper Whites, large size, @ \$1.00 per 100. Harrisii, 5-7, at \$5.00 per 100; 7-9 at \$10.00. Lillium Longiflorum, large flowering, 7-9, at \$7.00 per 100. Special prices on Dutch Hyacinths and Tulips.

THE VAIL SEED CO., Indianapolis, Ind.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants. with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

GRAND NEW LARGE-FLOWERED

Lily
of the Valley.

"FORTIN VARIETY."

First Class Certificate R. H. S. of France.

First Class Award of Merit
R. H. S. of England.

Why buy Foreign Flowering Crowns
when you can grow your own?

This grand new Lily of the Valley, of which we are now able to offer "1-year" planting crowns in large quantities, is twice the size and substance of the best strain of the Berlin Variety. The foliage is particularly robust and the flower spikes equally so, averaging one foot in height; the individual bells are quite double the size of the best Berlin Valleys, of purest white, very highly scented, and average 18 to 20 bells on a spike. It has been in commerce for some years and is now becoming generally grown and appreciated.

It is undoubtedly a most valuable introduction, as it will grow and thrive where the Berlin variety will not live.

Strong 1 yr. planting Crowns, 10 shillings per 1000.

SPECIAL PRICES FOR QUANTITIES.

Sample of flowering Crowns,
50 for \$1.00, post free.

Laxton Brothers, BEDFORD, ENGLAND.

40,000 American Filbert

(Corylus Americana.)

Hazelnut, nice collected plants, 3 to 5 feet, \$1.00 per 100; \$6.00 per 1000; 4 to 7 feet, \$1.25 per 100; \$8.00 per 1000.

White Flowering Dogwood, Red Ozier Dogwood, Tulip Poplar, Sweet Gum, Redbud, Common Elder.

All nice collected stuff, same sizes and prices for immediate orders. Well packed, boxed, f. o. b. at above prices.

Send for my trade list of Tree and Shrub Seeds.

J. H. H. BOYD, Gage, Sequatchie Co., Tenn.

DECIDUOUS TREES

Medium and large sizes, including Oaks, Maples, Oriental Plane, Beech, Birch, Ginkgo, Elms, Ash, Linden, Magnolias, Coplars and Willows.

We have an immense stock of the above and are prepared to name liberal rates in quantity. Personal inspection invited. Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa....

NURSERIES } 30 miles from Philadelphia,
} 60 miles from New York.
PHILADELPHIA OFFICE, 702 Stephen Girard Bldg.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

GALAX LEAVES

Red and green Galax, 45c per 1000.

Leucothoe Sprays, \$2.50 per 1000.

Cash with first order. Seven years' experience. Special price to wholesalers.

J. N. PRITCHARD, Elk Park, N. C.

Field-Grown Roses, \$1 per doz.; \$8 per 100; 50 varieties, 1½ to 3 ft. CRIMSON RAMBLER, 2 feet, \$7.00 per 100.

Address WM. K. NELSON, Augusta, Ga.

Please mention the American Florist to our advertisers.

A. L. Randall,

WHOLESALE FLORIST,

4 Washington St.,  CHICAGO.

THANKSGIVING DAY IS NOVEMBER THE 29th.

STOCK NEVER LOOKED BETTER.

**If You Want the Best 'Mums.
 If You Want the Best Violets.
 If You Want the Best Roses.
 If You Want the Best Carnations.
 If You Want to Get Order in Early, Mail it at
 Once and secure the Choicest.
 I want your order, large or small; but come early.**

**ORDERS FOR FINE POINSETTIAS
 BOOKED NOW FOR CHRISTMAS.**

A. L. RANDALL, 4 Washington St.,
 CHICAGO, ILL.

GERANIUMS

ROOTED CUTTINGS. 38 VARIETIES.

Double and Single in separate colors, as

Ricard, Harrison, S. A. Nutt Beaute Poitevine, Double Grant, La Favorite, Mme.

Bucher, Pres. DuBois, Single Grant, Queen of the West, and others,

at \$1.25 per 100; \$10 per 1000. TRANSLATED, extra strong plants, same varieties, \$2.00 per 100; \$15.00 per 1000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Please mention the American Florist when writing

GERANIUM AMERICA

A Queen Among Geraniums.

"Plants not one foot high often have a dozen trusses at one time. One of the brightest, cheeriest varieties in the whole Geranium family."—Eben E. Rexford, in *Vick's Magazine*, May, 1900.

Strong Plants. \$8 per 100, 25 at 100 rate. Ready now.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the American Florist when writing.

ROSES.

First-class, heavy, Field-grown, Own Roots.....

EMPRESS OF CHINA

WICHURAIANA

PINK RAMBLER

MANDA'S HYBRIDS (4 varieties)

\$50 per thousand; \$7.50 per hundred. Be quick if you want any between now and spring.

HOWLAND NURSERY CO., Los Angeles, Cal.

CARNATION PLANTS

ALL SOLD.

Ready to hook your orders for Rooted Cuttings of all the leading varieties, for spring delivery. Let me quote you prices before placing your orders.

Wm. Murphy, Wholesale Carnation Grower,
 Sta. F. CINCINNATI, OHIO.

Please mention the American Florist when writing.

3 -- GREAT GLORIES -- 3

BEGONIA GLOIRE DE LORRAINE,

2 1/4-inch pots, \$15.00 per 100.

BEGONIA GLOIRE DE LORRAINE Nana Compacta,

2 1/4-inch pots, \$15.00 per 100.

BEGONIA CALEDONIA, "The White Lorraine,"

3 1/2-inch pots, \$5.00 each.

This stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

PROSPERITY

Is the name of the superb CARNATION heretofore known as No. 666, to be disseminated March 1, 1901. For particulars apply to

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

'MUMS.

Stock plants from 6-inch pots or bench, ready now: Mme. Bergmann, G. S. Kahl and Gloire de Pacific, \$1.00 per dozen.

Mrs. Robinson, Yellow Mrs. Robinson, Bonnaillon and other standard varieties. Send list of your wants.

CRABB & HUNTER, Grand Rapids, Mich.

PRIMULA SINENSIS

in fine mixture.....\$2.00 per 100

PRIMULA OBCONICA

true large-flowering.....\$2.00 per 100

BEGONIAS fine flowering and foliage varieties, 3/4 and 4-in. pots, at 50c per dozen; \$4 per 100. **SALVIA**—Splendens and Bonfire, dwarf, fine stock plants, \$3 per 100.

E. FRYER, Batavia, Ill.

ROSES, 'MUMS, CARNATIONS Write for regular or special supply of best cut stock. Lowest wholesale rates for good stock.

WE OFFER TO CLOSE 2000 very strong 3-in. pot Maids at \$4.00 per 100. Need room and will prepay express in full within 500 miles, or half if express 1000 miles. Fine plants to follow 'mums for winter bloom.

W. H. GULLETT & SONS, Lincoln, Ill.

Dahlias, Cannas, Tobacco Dust, Cal. Privet

Tobacco Dust fresh \$1.00 per 100; \$15.00 per ton. Cash with order. Florence Vaughan, Alphonse Bouvier, Italia, Alsace and Flamingo Cannas, \$1.50 per 100, while stock lasts. California Privet, 1 year, \$15.00 per 100; 2 years, \$20.00. Golden Glow, \$1.00 per 100; Dahlias, best mixed varieties, \$5.00 per 100. Can use in exchange Paeonias, Iris or field grown Roses.

THOMPSON'S SONS, RIO VISTA, VA.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The following is the week's record of the New York Florists' Bowling Club:

Player	1st	2d	3d	Av
L. Haffner	188	183	208	193
A. S. Burns	176	175	178	176
W. H. Siebrecht	169	155	159	161
Wm. H. Siebenheller	148	142	178	156
J. Loerscher	159	119	175	151
F. H. Traendly	138	165	122	142

A Chicago.

On November 12 the florists took three straight games from the Lawler team in Anson's league. The score is as follows:

Player	1st	2d	3d	T'l
Chas. Balluff	156	157	136	449
Geo. Stollery	175	195	157	527
Fred. Stollery	213	134	183	530
Jno. Deegan	137	191	127	458
Ed. F. Winterson	138	153	166	457
Total	819	833	769	2421

At Utica.

While our scores were quite low we had a big turnout and a very pleasant session November 13. We might possibly account for some of the low scores by our best rollers; Rowland's thoughts, for instance, were, perhaps, distracted by the new place of four acres he had

bought that day, and Capt. Baker, our alderman of the third ward, had to attend a special meeting of the council and we do not know how things went there. We had for our guest F. R. Ward, of New Britain, Conn., who seemed to enjoy it very much. The scores:

Player	1st	2d	3d	Av
H. Mathews	177	130	140	149
Baker	154	170	118	147
Day	124	171	144	146
Pfeiffer	147	135	130	137
Rowlands	149	145	108	134
Spencer	115	138	124	126
McLean	130	102	120	117
Kaufer	103	124	117	115
Tomey	102	113	128	114
Hildebrand	104	138	100	114
Murphy	92	131	110	111
Crove	97	86	127	113
Ward	74	105	85	88
Seitzer	59	73	66	66

Quis.

At Flatbush.

The following is the score made on the bowling alleys at Flatbush, Nov. 15:

Player	1st	2d	3d	Av
Eugene Dailedouze	144	183	141	156
Henry Dailedouze	139	134	125	133
Stewart	140	96	155	130
Riley	123	117	142	127
Sball	132	100	139	124
Schmutz	106	116	139	120
Baylis	116	129	119	118
Paul Dailedouze	122	92	116	110
Chas. Zeller	81	92	80	84

Philadelphia.

BUSINESS IS BEGINNING TO MOVE AND STOCK IS RATHER SCARCE.—PROSPECT FOR HIGHER PRICES.—VARIOUS NOTES AND VISITORS.

Business is getting a move on, and this together with the cold and cloudy weather is making the boys hustle to

get enough flowers to fill their orders. The anatomy of the wholesalers' ice boxes and cool rooms is painfully apparent these days and they are also put to their utmost to keep their trade supplied. One of the "route" men said that when he offered carnations and maiden-hair and asparagus, his entire stock, at the various stores on his route he was politely told to — etc., and no amount of explanation would do. Violets are very scarce, the buds not seeming to open at all these dark days. Prices will no doubt soon take a soar if the present scarcity continues. Teas are now selling at prices from \$5 to \$6; Beauties \$10 to \$25; carnations, \$1 to \$2.50. Chrysanthemums, which are now going very well, bring from \$1 to \$2 per dozen with a few of the specials at \$2.50. Orchids are very scarce and as there are to be a number of coming out teas the next two weeks there will be a great scramble for these precious blossoms; \$5 per dozen is now asked for cattleyas and but few are in sight. Cypripediums are more plentiful at 12 cents to 15 cents each.

Some new stores are opening. Herman Schoenfeld has established himself on Seventeenth below Chestnut, and another store is seen on Fifteenth above Chestnut, owned by a former assistant to C. Poryzell.

Visitors in town: Mr. Miller of Bracendale, Ont.; E. G. Hill, of Richmond, Ind.; Eugene Dailedouze, of New York; C. W. Ward, of Queens; A. Herrington, of Madison; Harry May, of Summit; W. A. Manda, of South Orange; W. R. Nicholson, of Boston; J. L. Dillon, of Bloomsburg, and others. K.

Canna Black Beauty, True

Finest dark leaved canna in existence, as richly colored as a Dracaena. Fine grower, 4 1/2 to 5 feet. The best canna for centers of large beds. We have the largest stock in the country and can supply it in quantity.

\$2.00 per dozen, \$15.00 per 100 for divided roots, 1 to 2 eyes. Special prices quoted on lots of 1000 or more.

New Canna Cinnabar. (Ward).

Clear Cinnabar red with distinct gilt edge, fine round flower of great substance. Clean, vigorous habit, about 3 1/2 to 4 feet high; profuse bloomer in good trusses which clean themselves nicely. A distinct new shade and an acceptable addition to the list of bedding varieties.

Strong roots 25c each, \$2.50 per doz., \$20.00 per 100.

New Canna Mrs. Kate Grav. A splendid hybrid of the Italian class. Fine strong habit, broad bronzy green foliage. Good strong clean spikes well above foliage. Individual floret very large; 7 inches across at times. Color bright orange scarlet at times striped with deeper scarlet and edges of petals flamed with golden yellow. Stands the sun well, blooms early. Foliage very broad and effect of plant is decidedly tropical.

Fine strong roots, 25c each, \$2.50 per dozen.

Canna J. D. Eisele.

Deep crimson scarlet. We have been growing this canna with increasing satisfaction for the past four years. In substance of flower, color, profuseness of bloom, form of petal and spike, it is in every respect fully the equal of Columbia, and in addition is a healthy, clean grower and propagates easily.

Field-grown clumps, \$25.00 per 100; divided roots, 1 to 3 eyes, \$3.00 per 100, \$25.00 per 1000.

GENERAL LIST OF CANNAS.

Our list of varieties is select, containing no inferior sorts; bulbs are in finest condition. You will make no mistake in placing an early order with us and getting your stock shipped in by freight.

	Per 100	Per 100	Per 100
Philadelphia	\$20.00	\$3.00	\$25.00
Pres. McKinley	20.00	3.00	25.00
Beaute Poitevine	20.00	3.00	25.00
A. Bouvier	20.00	3.00	25.00
Duke of Marlborough	20.00	3.00	25.00
J. D. Eisele	25.00	3.00	25.00
Samuel Trelease	25.00	3.50	30.00
S. uv. de Ant. Crozy	20.00	3.00	25.00
Mme. Crozy	15.00	2.50	20.00
Queen Charlotte	15.00	2.50	20.00
Pres. Cleveland	20.00	3.00	25.00
Secy. Chabanne	15.00	2.50	20.00
Divided roots, 1 to 2 eyes.			
	Per 100	Per 100	Per 100
Mlle. Berat	20.00	3.00	25.00
Florence Vaughan	20.00	3.00	25.00
Count de Bouchard	20.00	3.00	25.00
Austria	20.00	2.50	20.00
Burbank	20.00	2.50	20.00
Italia	20.00	2.50	20.00
J. D. Cabos	15.00	3.00	25.00
Leonard Vaughan	15.00	3.00	25.00

THE COTTAGE GARDENS, QUEENS, L. I., N. Y.

Cincinnati.

TRADE FAIR IN WHOLESALE CENTERS.—
CHRYSANTHEMUMS NOT ACCUMULATING.
—PERSONAL NOTES.

The past week's business has been good, with fair prices prevailing. The commission houses sold out every day and they say shipping trade is very good. Chrysanthemums seem to be coming along just about right. In past seasons the wholesale houses were loaded down with chrysanthemums, and at times did not know what to do with them. But this year it is different, for when a grower sends in a hundred or so they are sold within an hour or two. The fall opening of one of our large dry goods stores Monday and Tuesday made roses and carnations scarce for the two days.

Fred. Gear came down to the commission houses last Thursday wearing a broad smile and passed the good cigars around to the boys. "Freddy" was on the right side of the election and pulled down a nice pile of coin. He says he does not care if Beauties do go up 5 cents on the dozen now.

Theo. Beck, of Hamilton, was a visitor last Saturday. He is very enthusiastic about the way his chrysanthemums are selling.

Al. Bruner, who was injured in a street car accident about two months ago, is recovering slowly.

Wm. Mann, of the Cincinnati Cut Flower Company, is down with a touch of pneumonia. D.

SHEFFIELD, O.—A. A. Padley is putting up a new greenhouse for miscellaneous stock.

RACINE, WIS.—A. J. Fiddler is extending his business considerably, having completed a new house 22x100, with one 35x125 under way.

100,000

Carnation Plants

Large, Healthy, Field-Grown Plants.

	Per 100	Per 1000
WM. SCOTT.....	\$2.50	\$20.00
LIZZIE MCGOWAN.....	2.50	20.00
EVELINA.....	2.50	20.00
ARMAZINDY.....	2.50	20.00
NIVEA.....	2.50	20.00

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Field-Grown CARNATIONS

GEN. GOMEZ, MRS. BRADT and GLACIER, strong stock, \$6.00 per 100. PINGREE and ARGYLE, \$4.00 per 100.

ASPARAGUS SPRENGERII Strong stock.	}	2-inch.....	\$3.00 per 100
		3-inch.....	4.00 per 100
		3½-inch.....	6.00 per 100
		4-inch.....	10.00 per 100

F. DORNER & SONS CO.,
LA FAYETTE, IND.

Carnation Blooms.

65,000 PLANTS UNDER GLASS.

Why not buy your Carnation Blooms direct from grower and get good fresh stock. We have them in large quantities of all the leading commercial varieties, including G. H. Crane, White Cloud, Flora Hill, Mrs. Bradt, Eldorado, Madam Chapman, Maceo, Daybreak, McGowan and others. Also have 20,000 Violet Plants and picking large quantities daily. Write me your wants and get prices before you buy.

Address **CHAS. CHADWICK, Grand Rapids, Mich.** Lock Box 11.

LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHOTOS, KAISERIN, GOLDEN OATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch.

A. S. MacBEAN, LAKEWOOD, N. J.

CACTUS AND OTHER DAHLIAS

FOR CATALOGUE COLLECTIONS....

WHOLESALE LIST ON APPLICATION.

LOTHROP & HIGGINS,

East Bridgewater, - MASS.

NOW IS THE TIME

TO LAY IN YOUR SUPPLY OF FINE.....

Boston Ferns

For your holiday trade. Four and five-inch are nice sizes to buy. We have them in all sizes. Write us for prices.

GEO. A. KUHL

Grower of Roses, Carnations, etc. PEKIN, ILL.

Root Your Own Carnation Cuttings.

Not having room, we offer the following nice unrooted cuttings, or pips, until further notice:

	Per 100	Per 1000
Morning Glory, shell pink	\$2.50	\$20.00
G. H. Crane, scarlet	1.50	10.00
Peru, white	2.00	15.00
Genevieve Lord, light pink.....	1.50	10.00
Gold Nugget, yellow	1.50	10.00
Mrs. Bradt, variegated.....	1.50	10.00
America, scarlet	1.25	9.00
Mary Wood, white.....	1.25	9.00
White Cloud	1.25	9.00
Gen. Maceo	1.50	10.00
Mrs. Bartlett (Dorner), scarlet....	2.00	15.00
Mrs. F. Joost, pink.....	.50	4.00

CASH OR C. O. D.

ADDRESS **A. MITTING, Morris, Ill.**

Rubber Plants.

6-inch pots.....\$5.00 per doz.
7-inch pots..... 6.00 per doz.

CHAS. A. IFFINGER, Ozone Park, L. I.

4000

FIELD-GROWN

Carnation Plants

Argyle and Pingree, \$2 per 100.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

Herr's == Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

Can take no more orders for delivery before November 15th.

Price 75c per 100 free by mail.
\$4 per 1000 by express at your expense.

Write me for prices on CARNATION CUTTINGS. I have fourteen houses of Stock Plants. AGERATUM "Stella Gurney" ready now either from pots or rooted cuttings, by the 100 or 1000.

ALBERT M. HERR

LANCASTER, PA.

Carnation Plants.

Fine field-grown plants: Flora Hill, Scott, Lizzie McGowan, Evanston, Albertini, Firefly, \$3.50 per 100.

PLUMOSUS, fine 3-in. stock, \$5.00 per 100.

CASH WITH ALL ORDERS, PLEASE.

VAN WERT GREENHOUSES, Van Wert O.

SMILAX

FINE PLANTS, out of 2-inch pots,
\$1.50 PER 100, \$12.50 PER 1000.

J. C. Schmidt, Bristol, Pa.

Hardy Herbaceous AND Alpine Plants.

Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.

The Blue Hill Nursery, So. Braintree, Mass.
CORRESPONDENCE SOLICITED.

ANNOUNCEMENT EXTRAORDINARY!

THE FOLLOWING NAMED CHOICE EVERGREENS AND DECIDUOUS SHRUBS

Will be Sold at Auction

By N. F. McCarthy & Co., on Tuesday, Nov. 20 1900.

=== Conifers ===

These are neat, shapely plants grown especially for hall and vestibule decorative use. Many of them are perfectly hardy and others require but slight protection from severe weather. With the exception of our similar sale last Spring no such lot of choice material has ever before been offered in the American market.

- 12 Abies Nordmanniana (Nordmann's Silver Fir), 2 feet.
- 3 " Numidica, 2½ feet.
- 25 Cedrus Atlantica, 3½ feet.
- 18 Cupressus Lawsonii Allumii, 5 feet.
- 6 " " Baroleri pendula, 4 feet.
- 2 " " Argentea elegans, 4½ feet.
- 15 " " Fraseri, 5 feet.
- 2 " " glauca, 4½ feet.
- 1 " " intertexta, 5 feet.
- 1 " " lutea (golden stems), 4 ft. et.
- 6 " " Triumph of Boskoop, 4 feet.
- 2 " " versicolor, 4 feet.
- 1 " " Wisfeli, 4½ feet.
- All beautiful for indoor tub planting.
- 25 Juniperus Japonica aurea, 2 feet.
- 12 " Sinensis albo-spica, 2½ feet.
- 1 " " globular, 2 feet.
- 2 " " 4½ feet.
- 6 " Virginiana glauca, 3½ feet.
- 2 " " 4 feet.
- 2 " " Schottii, 4 feet.
- 3 Picea excelsa pyramidalis, 4½ feet.
- 2 Pinus excelsa, pendulous foliage, 3½ feet.
- 6 Pinus Cembra, (Swiss Stone Pine), 3 feet.
- 2 Retinospora obtusa aurea, standard, 4 feet.
- 4 " " pyramidal, 4½ feet.
- 1 " " Maria, 3 feet.
- 25 " " pisifera aurea, 2½ feet.
- 12 " " plumosa aurea, 1 foot.
- 25 " " pyramidal, 1 foot.
- 50 " " " 2 feet.
- 12 " " vera, globular, 2 feet.
- 12 " " pyramidal, 3 feet.
- 25 Taxus baccata erecta (Erect Yew), 3½ feet.
- 25 " " aurea, margined yellow, 2½ feet.
- 12 " " Hibernica (Irish Yew), 1½ feet.
- 12 " " " 3 feet.
- 6 " " " 5 feet.
- 6 " " " 6 feet.
- 4 " " " 7 feet.
- 6 " " aurea (Golden Irish Yew), 3 feet.
- 4 " " " 4 feet.
- 4 " Washingtonii aurea, 2 feet.
- 12 Thuja Lobbi, 3 feet.
- 12 " " 5½ feet.
- 2 " " aurea, 3 feet.
- 2 " Occidentalis compacta, 2½ feet.
- 2 " " lutea, 5 feet.
- 2 " " Toui Thumb, 4 feet.
- 2 " " Sierra Nevada, 1 foot.
- 2 " " Warreana compacta, 2 feet.
- 6 Thujopsis dolabrata, 4 feet.

Deciduous and Evergreen == Shrubs ==

- 40 Azalea Mollis, 1½ to 3 feet.
- 25 " Pontica, 2 feet.
- 50 Ampelopsis Veitchii
- 200 Acuba Japonica, in 8-inch pots.
- 20 Aristolochia Siphon (Dutchman's Pipe).
- 145 Buxus sempervirens (box), globular, 1 to 5½ feet.
- 6 " silver variegated, 2½ feet.
- 25 " sempervirens, standards, 3½ feet.
- 50 Clematis Jackmanii.
- 50 Crataegus Lalandi, evergreen, 3 feet.
- 100 Deutzia gracilis, 1½ feet.
- 25 Forsythia viridissima, 4 feet.
- 25 Hydrangea paniculata grandiflora, standards, 5 feet.
- 50 Hypericum Moserianum, 1 foot.
- 50 Laurus Cerasus, beautiful tub plants, 4 to 6 feet.
- 50 Prunus triloba, fl. pl., 3 feet.
- 25 Rhododendron Caractacus, 2 feet.
- 25 " " Gloriosum, 2 feet.
- 25 " " (Parsons'), 2 feet.
- 25 " " Album grandiflorum, 2 feet.
- 12 " " forcing varieties, 2½ feet.
- 7 " " hardy seedlings.
- 12 Sambucus aurea (Golden Elder), 3 feet.
- 12 " Marmorata (Silver Elder), 3 feet.
- 50 Spiraea Anthony Waterer, 1½ feet.
- 25 " Van Houttei 3 feet.
- 600 " astilboides floribunda, for forcing.
- 400 " Japonica compacta multiflora, for forcing.
- 25 Staphylea colchica, 3 feet.
- 25 " " standards, 6 feet.
- 40 Syringa Charles X, best forcing lilac, 3 feet.
- 17 " " standards, 6 feet.
- 50 Viburnum Opulus (Snow Ball), standards, 6 feet.
- 50 " plicatum (Japan Snow Ball), 3 feet.
- 25 " " " standards, 5 feet.
- 50 Weigela hortensis nivea, 4 feet.
- 12 " rosea, standards, 6½ feet.

Large lots will be divided into lots of from three to eight. The above list and descriptions will enable purchasers who cannot attend in person to send their bids by mail. Remember the date, TUESDAY, NOV. 20.

THE SALE BEGINS AT 9:30 A. M.

N. F. MCCARTHY & CO., HORTICULTURAL AUCTIONEERS

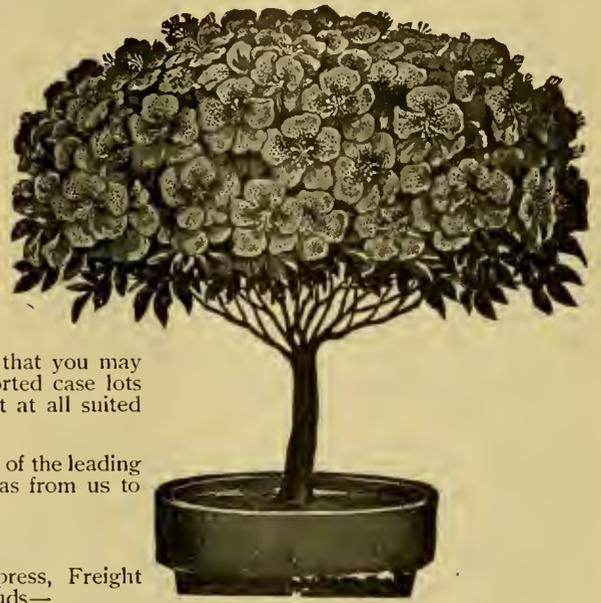
84 HAWLEY ST.

BOSTON, MASS.

FIVE REASONS Why You Should Place Your Orders for . . . AZALEAS

With Us at Once

- BECAUSE** You can still take advantage of the mild weather, and have the plants come through safely by freight.
- BECAUSE** We are the largest buyers of Azaleas in the world, and make personal inspection of the stocks before they are shipped to us, and buy for spot cash, which enables us to secure the lowest prices, and you the benefit in quality of the plants.
- BECAUSE** Our importations are all repacked at our own nursery. Plants that have suffered in transit, and which are not well set with buds being discarded, you receive nothing but first-class stock, which is certain to give satisfaction.
- BECAUSE** We can give you any special assortment of varieties that you may wish. This is a great advantage over the usual assorted case lots sent over from Belgium, which invariably contain many varieties not at all suited to the American market.
- BECAUSE** We wish to convince you, as we have convinced many of the leading florists of the United States, that you can buy Azaleas from us to better advantage than if you make your own importations.



SPECIMEN AZALEA

...PRICES...

Include duty, packing and delivery in good condition to any Express, Freight or Steamship Line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter.....	per doz., \$ 4.50; per 100, \$ 35.00
12 to 14 " " "	" 6.00 " 45.00
14 to 16 " " "	" 7.50 " 55.00
16 to 18 " " "	" 12.00 " 90.00
18 to 20 " " "	" 25.00 " 200.00
20 to 24 " " "	" 36.00 " 300.00

REMEMBER we are Headquarters for Hardy Perennials. Our list is the most complete in this country, offering all the good, new and old varieties. Your customers are interested in this class of plants and if you have not secured a supply we shall be pleased to quote special prices on large quantities.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

"Indispensable"

EDITION OF 1900,
POSTPAID, \$2.00

This is the only word which describes the American Florist Company's Trade Directory. This book, 387 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically; and new lists of Gardeners or Superintendents of private estates, Experiment Station Horticulturists, Landscape Architects and Horticultural Supply Concerns. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

AMERICAN

FLORIST

CO.,

324 Dearborn St.,
CHICAGO, ILL.

Newark, N. J.

NOTINGS OF THE DOINGS OF A TRIO OF NEWARK'S REPRESENTATIVE TRADESMEN.—MUCH GOOD STOCK IN EVIDENCE.—TRADE IS GOOD.

H. C. Strobell has a fine store at 783 Broad street, where he carries everything in the line of cut flowers and also a general assortment of plants. The plants come direct from his Elizabeth avenue nursery, where there are four houses devoted to stock of this kind, chiefly to supply home and store trade. Among Mr. Strobell's collection are to be noticed particularly fine specimens of *Pandanus utilis*, *Areca lutescens*, *Kentia Belmoreana*, *Latania Borbonica*, sago palms, *Acalypha Sanderi*, Boston and maiden-hair ferns, dracaenas, rubber plants, Otaheite oranges and crotons. He also has in stock a goodly number of plants of *Asparagus Sprengeri*, *A. plumosus* and *A. tenuissimus* and *selaginellas* in variety.

Mr. Gerlach, of the firm of Begerow & Gerlach, has retired from the partnership. Mr. Begerow is carrying on the business, which is a very prosperous one. He reports a good general trade and many wedding orders. Over the door in the rear of his store is the word "welcome" in immortelles. This door leads into a house where *Araucaria excelsa*, Boston ferns, rubber plants and palms are grown. The young ficuses and palms have their pots plunged in a bed through which runs a heating pipe. This Mr. Begerow chooses to call the "hospital," although the plants are the picture of health. Above the store is a conservatory for "boarders," many of which are sent there every spring. On the side benches and in vacant spaces in this department are primulas and Paper White narcissi which will come on for holiday trade.

Chas. Witheridge carries a full line of decorative plants, cut flowers and bulbs. Among other things in his propagating house and conservatory at the rear of his store are some very nice plants of poinsettia and Boston ferns. C.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.

Asparagus Sprengeri—Strong 3/4-in., \$6.00 per 100.
 New Rose Snowflake—The Daisy Rose, \$10 per 100.
 New Lace Fern—Fronds last a month, \$6.00 per 100.
 New *Russelia Multiflora*—2 1/4-inch, \$4.00 per 100.
 50 New Plants not to be Had Elsewhere.
 Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$20.
 Cannas, Dahlias, and all summer blooming bulbs.
 Electro and Cuts for Florists and Seedsmen.
 A. BLANC, PHILADELPHIA, PA.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
 Orchid Growers and Importers.

PRIMROSES.

Chinese, large flowering, 2-in. pot.....\$1.25
 ASPARAGUS Sprengeri, 2-inch pots..... 2.50
 " Plumosus, 2-inch pots..... 3.50
 CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

Edward B. Jackson,
 WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.
 In any quantity, for the least money.
 STAMFORD, - CONN.

ROSES

Extra Strong Two-Year-Old Roses
 25,000 Cheap to make room.

THE FOLLOWING VARIETIES, STRONG, 2 YEARS OLD, POTTED
 IN 4 AND 5-INCH POTS.

Archduke Charles	Etoile de Lyon	Media	Hermosa
Agrippina	Euchantress	Maria Van Houtte	Marechal Niel
Bride	Folkestone	Mme. Margottin	Maid of Honor
Bridesmaid	Francisca Kruger	Malmaison	Mme. Abel Chatenay
Baldwin	Golden Gate	Papa Gontier	Mrs. Robt Garrett
Bon Stiene	Gruss an Teplitz	Pink Souper	Mme. Cecil Berthod
Clara Watson	Geo. Bancroft	Perle	Souv. de Wootton
C. Souleret	Henry M. Stanley	Pres. Carnot	Striped LaFrance
Christine de Noue	Kaiserin	Princess Venosa	Sylph
Catherine Mermet	Mme. Camille	Princess Saran	Solfaterre
Climbing Wootton	Mme. Lombard	Queen's Scarlet	The Queen
Climbing Meteor	Marie Guillot	Safrano	Triom. de Pernet pere
Climbing Kaiserin	Mme. de Watteville	Snowflake	Reine Marie Henriette
Climbing Perle	Mme. Welch	Sombreuil	Victor Hugo
Climbing Malmaison	Mme. Schwallier	LaFrance	White Maman Cochet
Dr. Grill	Mme. Jas. Schwartz	Lamarque	White Marechal Niel
Devouiensis	Maman Cochet	La Princess Vera	White LaFrance
Duchess de Brabant	Mrs. DeGraw	Le Pactole	Yellow Rambler
Duchess of Albany	Meteor	Mosella	Vallee de Chamounix

Prices for a general assortment and not less than five of a kind,
 \$5 per 100, \$20 per 500, \$35 per 1000.

WE HAVE A QUARTER-MILLION of fine, strong, thrifty, 2 1/2-in pot plants of the above varieties at \$2.50 per 100, \$20.00 per 1000. Above prices are for cash only. I would ask that purchasers remit by Money Order, Bank Draft or Express Order, as it costs 25c each to collect personal checks. All stock guaranteed true to name. No charge for packing, which is done in a light and thorough manner.

R. H. MURPHEY & SON, - Urbana, Ohio.



AZALEA INDICA

Just received a large shipment, and they turned out to be finer than ever before. The varieties are: *Mme Van der Cruyssen*, *B. A. Alba*, *Simon Mardner*, *Veraneana*, *Empress of India*, *Emperor of Brazil*, *Prof. Waiters*, *Niobe*, *Deutsche Perle*, etc.

8-10 inches diameter.....	Doz.	100	1600
9-11 " " " " " " " "	.....	\$3.50	\$27.50
10-12 " " " " " " " "	.....	4.00	30.00
12-14 " " " " " " " "	.....	4.50	35.00
14-16 " " " " " " " "	.....	6.00	42.50
16-18 " " " " " " " "	.....	7.00	55.00
16-18 " " " " " " " "	.....	12.00	90.00

Large plants, \$1.25, \$1.50, \$2.00, \$3.00 each.

Araucaria Excelsa 3-4 tiers, doz., \$9; 100, \$85.
 4-5 tiers, doz., \$12; 100, \$90.
 These are extra fine plants, well furnished.

Hydrangea Otaksa Strong plants, \$15.00, \$20.00, \$25.00 per 100.

Kentia Belmoreana and *Forsteriana*
 \$12, \$15, \$18, \$24 per doz. Extra fine stock.
BOBBINK & ATKINS, Rutherford, N. J.

SOME PLANTS YOU WANT.

20,000 Pansy Plants to grow for bloom, 20 levs., \$1.00	Per 100.
Coleus, 10 varieties named.....	2 1/4-inch, 1.50
20,000 Alternanthera, bushy.....	2 1/4 " 1.50
Salvia Dwarf Clara Bedman.....	2 1/4 " 1.50
Smilax.....	2 1/4 " 1.50
Begonias, flowering, mixed only.....	2 1/4 " 1.50
3 000 Sedum Variegatum.....	2 1/4 " 1.50
5,000 Cigar Plant, fine.....	2 1/4 " 1.50
California Moss, basket plant.....	2 1/4 " 1.50
Asparagus Plumosus Nanus.....	3 " 5.00
Boston Fern, true.....	3 " 5.00

5 Plants at 100 rates.

THE MORRIS FLORAL CO.,
 MORRIS, ILL.

Cyclamen

For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—
 Finest strain in the world, in four true colors, a splendid stock of plants well set with buds from 3-inch pots, \$7.00 per 100; \$65.00 per 1000. From 4-inch pots, extra fine, in bud and bloom, \$15.00 per dozen; \$12.00 per 100.

If you are in the market for CYCLAMEN SEED, let me offer you the finest strain grown, at special price, 75c per 100; \$5.00 per 1000, either separate or equally mixed. Experienced shippers employed.

Satisfaction Guaranteed.
 PAUL MADER, East Stroudsburg, Pa.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/4-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early from

Money Order Office, **EDWIN LONSDALE,**
 Sta H. Philadelphia, Wyndmoor,
 (Near Phila.) Pa.

N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$4.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,
 199 Grant Avenue, JERSEY CITY, N. J.

VINCA MAJOR VARIEGATA, strong field-grown clumps, 8 to 12 vines, 2 to 4 feet long, \$4.00 per 100. CASH.

H. DANN & SON, Westfield, N. Y.

TELL THEM WHERE YOU SAW THE AD.

Springfield, Mass.

Mark Aitken is well satisfied with his chrysanthemum crop, both quantity and quality being strong features with him, while the demand for the blooms, and especially of the choicer grades, exceeds his own expectations. He is, however, well equipped to meet all demands, there being no shortage in sight for some time to come. Social functions of one sort or another have of late kept Mr. Aitken and his staff of assistants quite busy. Rumor has it that a brand new delivery wagon drawn by a pair of spirited bays may soon appear upon the streets of Springfield. Aitken is a progressive, up-to-date florist and whatever he undertakes he usually accomplishes in the best possible manner. His chrysanthemum show given recently, was well attended by the general public. NOMIS.

VERSAILLES, KY.—A. Schoberth has built a new house 15x60 feet for forcing vegetables.

BELLEFONTAINE, O.—Miss Mollie Eads is building a greenhouse for commercial floriculture.

TOLEDO, O.—Krueger Brothers have just put the finishing touches on a new house which they have filled with chrysanthemums.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS,
46 Marion St., NEW YORK.



PALM LEAVES

For Prepared Palm purposes.

ALL VARIETIES. ALL SIZES.

MAKE YOUR OWN PREPARED PALMS

We can supply all the materials.

Florida Natural Products Co.,
Jacksonville, Fla. & Indianapolis, Ind.

CHEAP TO CLOSE OUT.



Boston Ferns, the true variety, from 2 1/2-in. pots, \$3 per 100, \$25 per 1000. Don't be afraid that our stock of Boston Ferns will run out. We have sold 75,000 the past six weeks, but still have 125,000 fine plants on hand. Better buy now, as price is sure to advance.
Asparagus Sprengerii, from 2 1/2-in. pots, \$2.50 per 100, \$20 per 1000.
Acalypha Sanderi, from 2 1/2-in. pots, fine plants, \$3 per 100, \$25 per 1000.
Acalypha Sanderi, from 3-in. pots, strong plants, \$5 per 100.
Crotons, 12 best bedding varieties, from 2 1/4-inch pots, elegant plants, \$3 per 100, \$25 per 1000. These will be fine to shift on for next year's bedding.
Ponderosa Lemon, largest Lemon grown, bears fruit weighing two pounds and over, and fruits when quite small. Is bound to become a popular plant. Fine plants from 2 1/2-in. pots, \$1 per doz., \$7 per 100. Extra strong plants ready to bloom at once, \$1.50 per doz.
Calla Lilies, 1 1/4 to 1 1/2-in. diameter, 75c per dozen, \$5 per 100.
Calla Lilies, 1 1/2 to 1 3/4-in. diameter, \$1.25 per dozen, \$7 per 100.
The two new Russelias, Lemoinei Multiflora and Lemoinei Elegantissima, 50c per doz., \$3 per 100.
Bougainvillea Sanderiana, from 2 1/4-inch pots, \$6.00 per 100.
Weeping Lantana, 2 1/4-inch pots, \$2.00 per 100, \$18.00 per 1000.
Olahette Orange, from 2 1/2-inch pots, \$3 per 100, \$25 per 1000; from 3-in. pots, \$4.50 per 100, \$40 per 1000.
Ficus Elastica, perfect specimens of this fine Rubber Plant, 15 to 18 in. high, \$3.25 per doz., \$25 per 100.
Araucaria Excelsa, Norfolk Island Pine, fine plants with four tiers of leaves, \$1 each, \$10 per doz.
Marchal Niel Rose, 15 inches and over in height, healthy plants \$4 per 100, \$35 per 1000.
Roses all the leading varieties of Teas from 4-inch pots, fine plants in perfect health, \$8 per 100. All the leading varieties of Hybrid Teas from 4-inch pots, elegant stock, \$10 per 100.
Send us your list of roses for quotation. We have 2,000,000 plants in stock. Our Fall Trade List of all kinds of Roses, Plants and Bulbs now ready. Write for it.

The GOOD & REESE CO., LARGEST ROSE GROWERS IN THE WORLD, Springfield, O.

HEACOCK'S PREMIUM PALMS.

3 plants, 6-inch pot, 24 to 28 inches		ARECA LUTESCENS.	\$12.00 per dozen; \$100.00 per 100
3	" 8 " 36-inch, fine		\$3.00 each
1 plant, 2 1/4-inch pot, 8 to 10 inches high		COCOS WEDDELIANA.	\$15.00 per 100
1	" 3 " 10 to 12 "		20.00 per 100
1	" 4 " 18 inches high		8.50 each
3	" 5 " 18 "		1.00 "
4-inch pot, 5 to 6 leaves, 15 inches high		KENTIA BELMOREANA.	\$ 4.50 per dozen; \$ 35.00 per 100
6	" " 6 " 24 "		15.00 " 125.00 "
8	" " 6 to 7 " 30 to 32 inches high		\$3.00 each.
4-inch pot, 4 to 5 leaves, 15 inches high		KENTIA FORSTERIANA.	\$1.50 per dozen; \$35.00 per 100
6	" " 5 " 24 to 28 inches high		\$1.00 each; \$12.00 per dozen
6	" " 5 to 6 " 30 "		1.25 " 15.00 "
8	" " 6 " 36 to 40 "		3.00 " 36.00 "
8	" " 6 " 48 to 50 "		4.00 " 48.00 "

JOSEPH HEACOCK, Wyncote, Pa.

FINE Bays

Pyramids and Standards.

Specimen Rhododendrons for Forcing,

Adiantum Farleyense, ^{cut or} _{in pots:}

Azaleas, Ficuses, Acacias,

Araucarias, Boston Ferns,

Small Ferns,

Fine cut Fronds of Adiantum tenerum,

Lorraines.

Edgar, WAVERLEY, MASS.

Please mention the American Florist when writing.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

CALADIUMS Fancy leaved, 40 named sorts.

Dry bulbs, 1 1/4 to 2 1/4-in. \$10.00 \$90.00
Dry bulbs, 1 to 1 1/4-in. 8.00 70.00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in. \$30.00

PHENIX CANARIENSIS & TENUIS, Very stocky,
3-4 characterized leaves, 15-18-in. 15.00
4-5 " " 20-24 " 25.00
5-6 " " 24-30 " 40.00

PHENIX RECLINATA, 3-4 characterized leaves, 15-18-in., very stocky 25.00

LATANIA, 4-5 characterized leaves, 18-20-in. 25.00

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in. 12.00

Not less than 50 at above rates. Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.

ROBT. CRAIG & SON
Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA.

CRYPTIOMERIA JAPONICA (JAPAN CEDAR). You can't afford to be without it. Strong plants, from 2-inch pots, \$5.00 per 100; 20 for \$1.00.

ASPARGUS SPRENGERII, 2-inch, \$2.50 per 100. SATISFACTION GUARANTEED.
E. I. RAWLINGS, Quakertown, Pa.

GRAND OFFER, FINE PLANTS, NONE BETTER.

ARECA LUTESCENS.

Size pot.	Height.	Each.	Doz.
3-inch	12 inch	.20	\$2.00
4-inch	18 3 in pot	.30	3 50
5-inch	.20 to 24	.60	
6-inch	.24 to 30	1.00	
8-inch	.36	2.50 to 3.00	

KENTIA BELMOREANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	12 inch	\$.20	\$2.00	\$12.00
4-inch	5 to 6	15	.50	5.50	
5-inch	6 to 7	18	.75	8.50	
6-inch	8 to 9	20	1.00	12.00	
6-inch	8 to 10	24	Fine bushy plants,	\$2.00 ea.	
6-inch	7 to 8	30	"	2.50 ea.	
6-inch	7 to 8	36 to 40	"	3.00 ea.	
7-inch	7 to 8	44 to 48	"	4.50 ea.	

KENTIA FORSTERIANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	9 to 10	\$.30	\$3.00	\$25.00
4-inch	4	15 to 18	.40	4.00	
4-inch	5	24	1.00	10.50	
6-inch	5	36	1.50	18.00	
6-inch	5 to 6	40	2.75	30.00	

LATANIA BORBONICA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	5 to 6	12 inch	\$.25	\$2.50	\$12.00
4-inch	5 to 7	15 to 18	.25	3.00	20.00
6-inch	6 to 8	24 to 30	1.00	12.00	
6-inch	6 to 8	30	1.50	18.00	
6-inch	7 to 8	30	2.00	bushy	

COCOS WEDDELIANA.

Size pot.	Height.	Each.	Doz.	100
4-inch	12 to 14	\$.25	\$2.50	\$20.00

PANDANUS VEITCHII.

Size pot.	Each.	Doz.
5-inch	\$.75	\$9.00
6-inch	1.00	12.00

BOSTON FERNS.

Size pot.	Each.	Doz.	100
3-inch	\$.20	\$2.00	\$15.00
4-inch	.35	4.00	
5-inch	.40	4.50	
6-inch	.75	9.00	
7-inch	1.00	12.00	
8-inch	1.50	18.00	
9-inch	2.00	24.00	

FICUS ELASTICA.

Size pot.	Height.	Each.	Doz.
6-inch	24 to 30	\$.50	\$6.00
6-inch	24 to 30	.75	9.00
8-inch	48	1.50 to 2.00	

REX BECONIAS.

Size pot.	Each.	Doz.	100
3-inch	\$.10	\$1.20	\$10.00
4-inch	.15	1.75	12.00

ASPARACUS SPRENCERII.

Size pot.	Each.	Doz.	100
3-inch	\$.60	\$6.00	\$5.00
6-inch	\$.35	4.00	25.00

DRACENA INDIVISA.

5-inch	\$.35	\$4.00	\$25.00
Small Ferns, Adiantum Cuneatum, 3-in. pot	1.50	18.00	
Dracena Massangeana	2.00	24.00	
Dracena Lindenii	1.50	18.00	
Dracena Terminalis	.50	6.00	

Small Ferns, Adiantum Cuneatum, 3-in. pot \$6.00
 Mixed Ferns, 3-in. pots, \$6.00 per hundred.
 Cyprus Alternifolius, 3-in. pots, \$5.00 per hundred.
 Hydrangea Otaksa, 6-in. pots, \$10.00 per hundred.
 Extra fine, for Easter forcing.
 Jerusalem Cherry, nicely berried, 6-in. pots, bushy, 35c each.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

THE NEW Standard Ventilating Machines.



Always reliable.
 Self-oiling.
 Four Styles.
 All warranted first-class.
 Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO.,
 YOUNGSTOWN, O.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN - CIRCULAR FREE - SKABKURA DIP CO. CHICAGO.

Kill AND SAVE the BLOODS Bugs!
 QUICKLY DOES IT.

IMP

LIQUID PLANT FOOD

For Greenhouse Cultivating.

EASTERN CHEMICAL COMPANY.
 Chicago Office: 620 Atlantic Ave., Boston.
 H. K. SNIDER, Suite 423, 260 Clark St.

Die Bindekunst

Einzig Special Zeitschrift der Welt für BLUMENBINDEREI.

Probennummern umsonst.
 Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,
 ERFURT, DEUTSCHLAND.

THE KINNEY PUMP.

For applying Liquid Manure it has no equal!

Sent prepaid for \$2.50.
 Without spraying valve \$2.00.

The HOSE CONNECTION CO., KINGSTON, R. I.

THE NICKEL PLATE ROAD

will sell tickets within distances of 150 miles, November 28th and 29th, at rate of a fare and a third for the round trip, account of Thanksgiving day. Return limit November 30th. This road has three through daily trains to Ft. Wayne, Cleveland, Erie, Buffalo, New York and Boston, carrying vestibuled sleeping cars and affording excellent dining car service, individual club meals being served, ranging in price, from 35 cents to \$1.00. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for reservation of sleeping car accommodations. Chicago Passenger Station Van Buren St. and Pacific Ave., on the elevated Loop. City Ticket Office 111 Adams St. 39.

Circulation
 which
Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

BEST AND Cheapest

ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE

ALL-ROUND INSECTICIDE on the Market.

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

Thos. W. Weatherd's Sons,
 46 Marion St., NEW YORK.

Invalid Appliance Co.,
 MANUFACTURERS OF **COLUMBIA PLANT TUBS**

"The kind that never fall apart."
 If your seedman doesn't handle them, order of us direct.

FACTORY AND OFFICE:
 150-160 WEDDER ST., CHICAGO.
 TELEPHONE NORTH 922.

UGLY HOMES

Are impossible if you follow the harmonious combinations of colors for house painting, which you can see on the sample cards of LUCAS PAINT. Send for them. They are practical.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address **JOHN G. ESLER, Sec'y F. H. A.,** SADDLE RIVER, N. J.

New Orleans.

THE FIRST DAY OF THE MONTH BROUGHT MUCH BUSINESS AND MANY BOXES OF NORTHERN FLOWERS.

All Saint's day is past and as usual the decorations at the cemeteries were very elaborate, the larger part being natural flowers. Our local chrysanthemums did not turn out very well. Many were behind time and good buds of early sorts were spoiled by unfavorable weather. Some very good stock came from Mississippi but the larger quantity came from Chicago. About 300 boxes were received on November 1 to supply the different florists. Good chrysanthemums retailed at from \$4 to \$5 per dozen.

J. B. Heiss, of Dayton, Ohio, is in town with a lot of foliage plants and roses as samples. He is very well satisfied with his sales, with good prospects for the future. M. M. L.

TERRE HAUTE, IND.—George E. Hunt has been sick for some days but is now improving.

LA CROSSE, WIS.—It is reported that Mrs. A. Guillaume will start a branch flower store at Madison.

BANGOR, ME.—A. J. Loder has his new greenhouse well stocked and is in business on a much larger scale than heretofore.

GALESBURG, ILL.—I. L. Pillsbury has been giving a chrysanthemum show this week. He induced the street railway people to light his greenhouses for him during the show for the fares they would get from the attendance, he doing considerable advertising.

KANSAS CITY, MO.—W. L. Rock gave a chrysanthemum show and an exposition of "the best that grows in cut flowers" at his store, 1116 Walnut street, November 8 to 10. He issued very neat invitations and was rewarded with large attendance and good business.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.

Before buying write for prices
361-363 Herndon Street
Near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'Y'Y,
HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.

Red Standard Pots.

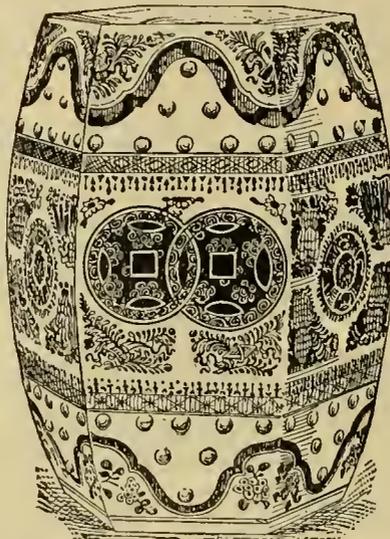
CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.



CANTON CHINA PLANT-POT.



Canton China Hall-Seat or Plant Pot Stand.

PLANT POTS
—AND—
PEDESTALS.

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese Plant Pots or Jardinieres, selected by our buyers at the places of production in the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to \$150, each.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

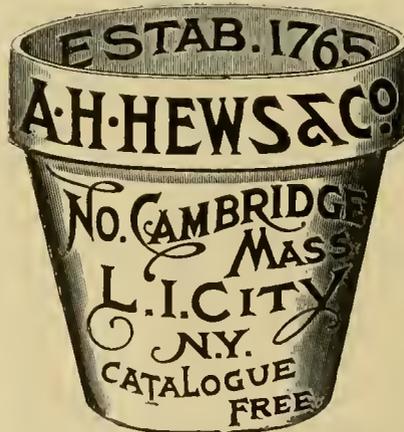
Wholesale and Retail.

Jones, McDuffee & Stratton Co.

CHINA, GLASS AND LAMP MERCHANTS,

120 Franklin Street, BOSTON, MASS.

JEROME JONES, Pres. S. P. STRATTON, Tr as.



STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 7-in. pots in crate, \$4.88	120	7-in. pots in crate, \$4.20	
1500 2 1/2 " " " " " " " "	5.25	60 8 " " " " " " " "	8.00
1500 2 3/4 " " " " " " " "	6.00	48 9 " " " " " " " "	8.00
1000 3 " " " " " " " "	5.00	48 10 " " " " " " " "	4.80
800 3 1/2 " " " " " " " "	6.80	24 11 " " " " " " " "	3.80
600 4 " " " " " " " "	4.50	24 12 " " " " " " " "	4.80
320 5 " " " " " " " "	4.51	12 14 " " " " " " " "	4.80
144 6 " " " " " " " "	3.18	6 16 " " " " " " " "	4.80

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents,
53 DEW STREET, NEW YORK CITY.

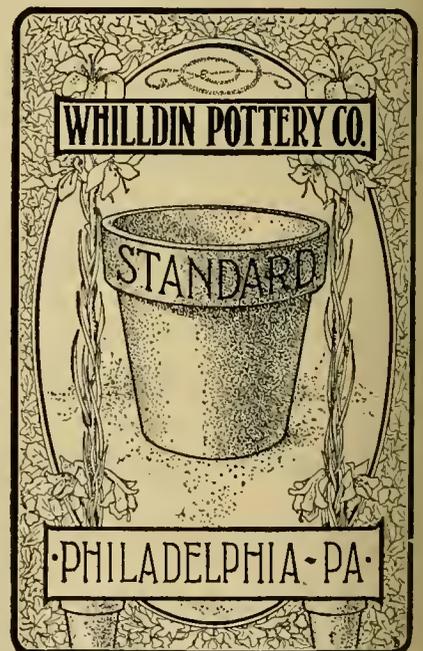
FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWANN'S POTTERY M'FG CO.,
P. O. Box 78, Minneapolis, Minn.



BRANCH WAREHOUSES: Jersey City, N. J.
Long Island City, N. Y.

Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

A good adv. in a good paper will bring good returns.

TIME IS MONEY.

TO SAVE TIME AND MAKE MONEY,

Buy your Florists' Supplies of

M. RICE & CO.,

The Acknowledged Leaders.

“New” Adjustable Pot-Cover, “New” Reversible Pedestal,
 Plant Baskets, Stands, Prepared Cycas Leaves, Immortelles,
 Cape Flowers, Moss Wreaths, Our “Famous” Wheat Sheaves,
 Cords and Tassels, etc., etc.

IN FACT, HEADQUARTERS FOR THE NEEDS OF THE FLORIST.

M. RICE & CO., Importers and Manufacturers.

Catalogue for the Asking.

918 Filbert St., PHILADELPHIA, PA.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters. 1 1/4 or 2-inch size, per 100, \$2.00.
 Script Letters. \$4. Fastener with each letter or word.
 Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
 84 Hawley St., BOSTON, MASS.

Please mention the American Florist when writing.

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.
 New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
 50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

Please mention the American Florist when writing

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you up on..... **SILKALINES.**

84 Kingston St., BOSTON, MASS.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25.
 Price complete (with green or white cornucopia vases) \$2.50.
 No. 2.—Heavy 4 ft. rod brassed and nickled with three clasps for 5 to 6-in. pots, each, \$1.75.
 Kift's patent rubber capped Flower Tubes, 1/4-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
 1725 Chestnut St. Philadelphia, Penn.

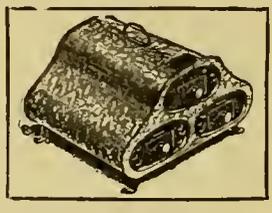
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers,
 10 Bond St., NEW YORK.

JAMES W. ERRINGER,
 Gen. West. Sales Agent,
 297 Wabash Ave., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
 New York.

REED & KELLER,

Manufacturers of Florists' Designs.
 Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

HEADQUARTERS FOR

COCOA FIBRE.	SPHAGNUM and
SHEEP MANURE.	GREEN MOSS.
BONE all grades.	RUSTIC WORK, all kinds.
IMPORTED SOOT.	CLAY'S FERTILIZER.

DUNNE & CO., 54 West New York.
 30th St.

HORTICULTURAL SUPPLIES.

A. HERRMANN,

Cape Flowers, ALL COLORS;
 Cycas Leaves, Metal Designs,
 AND All Florists' Supplies.

Send for Prices.
 404-412 East 34th St., NEW YORK.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER AND TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

RUSTIC WORK FOR ALL PURPOSES MADE TO ORDER..

In stock, the most extensive variety in the country. of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO.,
 19 Fulton Street, NEW YORK CITY.

NEXT CENTURY'S BUSINESS

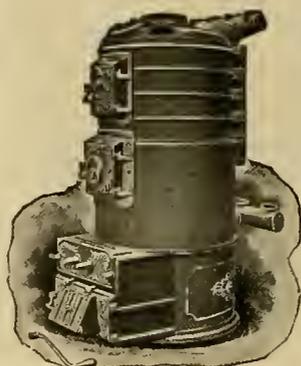
can be started now by advertising in this journal. Don't delay in commencing next year's business. The best orders are placed early with advertisers in

TRY THIS PLAN.

THE AMERICAN FLORIST

Index to Advertisers.

Advertising Rates.....538	Kroeschell Bros Co....IV
Allen J K.....543	Knehn C A.....542
Allen S F & Co.....11	Kuhl Geo A.....550
American Home Co.....540 11	Lager & Hurrell.....554
Amling E C.....541	Lakev w Rose Garden.....557
Baker & Dick.....552	Lang Julina.....543
Barnard W W & Co.....1	Langjahr A H.....542
Baur S Alfred.....1	Lext n Bros.....546
Bassell & Washburn.....541	Lee R A.....540
Bayersdorfer H & Co.....539	Lehman Bros.....559
Bentley & Co.....540	Lenton S.....552
Berkmans P J Co.....556	Limpreech S J.....543
Berning H G.....542	Lockland Lum Co.....556 111
Blondekunst Die.....557	Long D B.....11
Blann A & Co.....554	Lonsdale Edwin.....554
Blue Hill Nursery.....559	Lord & Barnham Co.....IV
Bobblek & Atkins.....554	Lothrop & Higgins.....550
Boston Letter Co.....559	Lucas J & Co.....557
Boyd J H H.....546	Lynn J A.....544
Brague L B.....542	McCarthy & Co N F.....542 546 551
Brant & Noe.....540	McFadden E C.....546
Brown Peter.....547	McKellar & Winterson.....549
Budlong J A.....541	ManBean A S.....550
Burnard H.....552	Mader Paul.....554
Burpee W Allee & Co. II	Meyer John C & Co.....59
Caldwell the Woodsman Co.....540 546	Milling Chas.....543
Carmody J D.....111	Milling Frank.....543
Chadwick Chas.....550	Milting A.....550
Chicago Carnation Co.....540	Moss Geo M.....542
Chicago House Wrecking Co.....111	Moss Geo M.....542
Cincinnati Cut Flo Co.....542	Moninger J C Co.....540
Clark Wm A & Son.....555	Moon Samuel C.....546
Colfesh J W.....542	Moon Wm H Co.....540 542
Collins Thos.....552	Moore, Hentz & Nash.....543
Conard & Jones Co.....549	Morris Floral Co.....554
Conley Fotl Co.....559	Morris Geo A.....542
Coolidge Bros.....111	Murphy R H & Son.....554
Cottage Gardens.....548 1	Murphy Wm.....547
Crabb & Hunter.....547 1	Myers & Co.....550
Craig Robt & Son.....556	Nelson Wm K.....546
Cunningham Jos H.....551	Nickle Plate R R.....552 557
Cunningham D G.....543	Nlessek Leo.....542
Glass Co.....111	N Y C Ft Flower Ex.....543
Dalldouze Bros.....547	N Y Cut Flower Co.....543
Dann H & Son.....554	Pennock Sam'l S.....542
Davis Bros.....552	Peterson F R Co.....544
Deamud J B.....544	Pitshurs Cut Flo Co.....540
Detroit Flor Pot Mfy.....554	Poehmann Adolph H.....541
Detach & Co.....111	Polivron C C Co.....540
Dillon J L.....552	Prinne A G & Co.....541
Dorner Fred & Sons Co.....550	Pritchard J N.....546
Dreer H A.....553 111	Pulen W W.....552
Dunlop John H.....542	Quaker City Mch Wks 111
Dunne & Co.....559	Randall A L.....541 547
Eastern Chemical Co.....557	Rawlings E L.....556
Edgar W W.....556	Rayor J L.....543
Elmholz Henry.....547	Reed G ass & Paint Co. 111
Ernest W H.....558	Reed & Keller.....559
Evergreen Floral Co.....552	Rekan Printing House 11
Ferguson John B.....542	Reinberg Geo.....541 550
Finley Lawn Rake Co. 11	Reinberg Peter.....541 550
Florida Nat Prod Co.....543	Retzer Water & Co.....555
Ford Bros.....543	Ridgway J.....559
Foster Lucius H.....549	Rodgers Alex.....11
Fryer E.....547	Roland Thomas.....547
Gardeners Chronicle. 11	Roiker A & Sons.....44
Gardening Co The.....11	Rustic Mfg & Con Co.....549
Garland Geo M.....590	Saltford Geo.....555
Geller Blum.....543	Sander & Du.....555
Gormley Wm.....543	Schiller & Co.....550
Gibbons H W.....111	Schmidt J C.....550
Giblin & Co.....111	Scollay John A.....111
Good & Reese Co.....556	Sheridan W E.....543
Gullet & Sons W H.....547	Siebrecht & Son.....1
Gunther Wm H.....543	Sitnaltins & Wants.....539
Gutman Alex J.....543	Skabura Lin Co.....557
Gurney Heater Co.....540	Stidley S S.....549
Hagenburger Carl.....555	Smith Nath & Mon.....552
Hall Ass'n.....557	Smith W & T Co.....1
Hancock Geo & Son.....549	Smurthwaite C A.....1
Hart M A.....543	Produce Co.....112
Hancock Joseph.....556	Soltau C.....554
Felss J B.....553	South Side Flor Co.....552
Heller & Co.....11	Southern Fruit Co.....552
Hennecke C Co.....558	Stani Chas H.....542
Herendeen Mfg Co.....1V	Stearns Lumber Co.....111
Herr Albert M.....550	Stoobhoff H A & Co.....11
Herrmann A.....559	Storrs & Harrison Co.....549
Herron Dan B.....555	Slyer J J.....11
Hewes A H & Co.....558	Sutherland Geo A.....542
Hilfger Bros.....558	Suzuki & Iida.....544
Hill R G & Co.....1	Swann Pottery Mfg Co.....558
Hill H H.....540	Teas E Y.....549
Hippard E Co.....557	Thorburn J M & Co.....544
Hitchings & Co.....1V	Thompson's Sons.....547
Holton & Hunkl Co.....510 559	Trenndly & Schenck.....543
Hooker H M Co.....560	Val Seed Co.....546
Horan Edw C.....545	Van Wert Greenh'es.....550
Hort Adv.....11	Vanhan's Seed Store.....544 1
Hose Connection Co.....557	Vink s Sons Jas.....11
Howland Nursery Co.....547	Vincent R Jr & Son.....555
Humfeld C.....555	Vredenburg & Co.....11
Hunt E H.....541	Watson G C.....11
Iffinger Chas A.....550	Weathered's Sons.....11
Ivallid Appliance Co.....557	Thos W.....556 557 111 1V
Jackson & Perkins Co.....546 549	Weber H & Sons.....552
Jackson E B.....554	Weber & Dub.....11
Jacobs S & S.....111	Weland & Beach.....541
Jennings E B.....555	Weich Bros.....542
Jennings Bros.....559	Whildtn Pot Co.....558
Johnson & Stokes.....544	Wetor Bros.....541
Jones, McDuffie & Stralton Co.....558	Wilks S Mfg Co.....1V
Kaating W E.....542	Windsor Flow Seed Co.....544
Keller Bros.....558	Withard The Geo Co.....555
Keller Geo & Son.....558	Wood Bros.....556
Kellogg Geo M.....542	Woodroffe & Bernhelmer.....542
Kennsott Bros Co.....545	Wood, Stubbs & Co.....544
Kentucky Tob Pro Co.....553	Young Jno.....543
Kitt Robert.....559	Young & Nugent.....543



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St., Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., PHILADELPHIA, PA. (ESTABLISHED 1849.)

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

GARLAND'S IRON GUTTER

No Ice. No Breakage of Glass.



This Gutter will save money in cost of construction.

GEO. M. GARLAND, DES PLAINES, ILL.

RED WING, MINN.—S. R. Swanson's lease on the East avenue greenhouses has expired and George Humphrey is now in charge. Mr. Swanson will continue his Brusn street store until his lease there expires and then he will remove to St. Paul.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, NOVEMBER 24, 1900.

No. 651.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.
PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.
Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.
OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March, 1901.
LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

The exhibitions—St. Louis.....	561
—Providence, R. I.....	562
—Newport, R. I.....	563
—Queen of Edgely and American Beauty (illus).....	563
—Houston, Tex.....	564
—Cold-Spring-on-Hudson, N. Y.....	564
—Orange, N. J.....	564
—Waco, Tex.....	565
—Mt. Kisco, N. Y.....	565
—Oceanic, N. J.....	565
Two European leaders (portraits).....	565
Two new chrysanthemums (illus.).....	566
Ivory chrysanthemum cut at Seattle, Wash., October 15 (illus.).....	566
Carnations—Special fertilizers for carnations.....	566
Palm culture in Belgium.....	567
New York.....	567
Boston.....	567
Philadelphia.....	568
Chicago.....	568
Washington.....	569
Cincinnati.....	569
Providence.....	569
St. Louis.....	569
"Bonnafon".....	570
Society of American Florists.....	570
American Carnation Society.....	570
The ethics of renaming sports.....	570
The S. A. F. annual report.....	570
Chrysanthemum Society of America.....	570
The seed trade.....	578
The nursery trade.....	580
Our pastimes.....	582
Detroit.....	584
Buffalo.....	586
St. Joseph, Mo.....	588
New Orleans.....	590

THE EXHIBITIONS.

St. Louis.

The tenth annual chrysanthemum show was held November 14 to 16 at the Exposition Building and though the weather with the exception of one day was good, the show did not prove to be, financially, a success; to just what extent can not as yet be said, but it is thought to be very little. The hall, though not as large as last year, was decorated much better and the groups of palms and ferns were shown to better advantage. The cut flowers were of the very best, but the plants though very good were not of the highest quality. The exhibitors of cut flowers were mostly from a distance, though some of the home growers, such as Sanders, Schray, Fillmore, Michel, Windler and Beyer, were present. Principal among the others were Nathan Smith & Son, Adrian, Mich., W. J. & M. S. Vesey, Fort Wayne, Ind., E. G. Hill, Richmond, Ind., W. W. Coles, Kokomo, Ind., Fred. Ammann, Edwardsville, Ill., Geo. M. Kellogg, Kansas City, and several others from Belleville and surrounding towns.

The center of the hall was taken up by groups of chrysanthemums of different sizes, shapes and colors, while immediately in front of the door were several more beds with a background of three large groups of palms which took up the whole side of the hall, and on the sides were benches for the cut flowers. The palms were exhibited by Schray, Beyer and Michel, who took the Shaw premiums for the largest and best collections of named varieties, not less than twelve kinds, in the order named. At one end two large groups of named begonias were placed and awarded Shaw premiums, Schray first and Michel Plant & Bulb Co., second. At the other end were the collections of twenty-five flowering plants for house decoration, exclusive of chrysanthemums and not more than three varieties of any species, and in these Schray was first, Fillmore second and Sanders third. In different parts of the hall were three large collections of named ferns of not less than twelve kinds; Michel first, Schray second and Beyer third. Beyer had several large and beautiful specimens of Cibotium Shiedii which were much admired. Several groups of variegated foliage plants, begonias and ferns excluded, showed up well, the prizes going to Schray first, Beyer second and Michel third.

On each side of the entrance there was

a table with twelve named geraniums in bloom. These showed up very prettily with their bright colors, Fillmore receiving first and F. J. Windler second. Another thing that took the eyes of quite a number was a display of several tastefully arranged fern dishes filled with growing plants and not over twelve inches in diameter; Michel first, Sanders second and Schray third. For the best pair of named climbers and best pair of Asparagus Sprengeri, Beyer received first and Schray second in each case and Fillmore third in the last. Schray being the only one to compete for ten named cyclamens in bloom, received the blue ribbon. The display of Boston fern was very large, and some very large plants were shown. C. C. Sanders received first, Michel second and Chas. Beyer & Son third. The judges scale of points by which they were judged was, size 50, form 25, and foliage 25. The largest were in 10-inch pots. There were two large groups of hardy evergreens and evergreen shrubs of not less than twelve kinds for which C. C. Sanders took first, with Miller second. The Shaw premiums for the best specimens of the following plants were awarded as follows: Araucaria, F. Fillmore first, Beyer second, Schray third; Areca lutescens, Beyer first, Sanders second, Schray third; Howea Belmoreana, Beyer first, Schray second, Sanders third; Howea Forsteriana, Beyer first, Sanders second, Schray third; Livistonia Chinensis, Beyer first, Sanders second, Schray third; Pandanus utilis, Beyer first, Schray second, Fillmore third. The judging scale was the same as used for the Boston fern.

The competition for the best single specimen chrysanthemum plant resulted as follows: White, Beyer first, Windler second, Schray third; yellow, Schray first, Beyer second, Windler third; pink, Beyer first, Windler second; Schray third; any other color, Beyer first, Windler second, Schray third. Ten specimen plants 10-inch pots, Beyer first, Schray second, Sanders third. Five specimen plants, 10-inch pots, Beyer first, Schray second, Sanders third. Groups 100 feet square of chrysanthemum plants, Windler first, Beyer second, Schray third. In the five classes calling for fifty plants one or more varieties; twenty-five plants, white, one variety; twenty-five plants, yellow, one variety; three plants, white, yellow and pink; and two plants, pink and white, Chas. Beyer & Son received all the first prizes. Wm. Schray & Sons received firsts for two and for one specimen

palms. C. C. Sanders received first and Beyer second for two Boston ferns, and Beyer received first on best specimen fern. For twenty-five carnation plants in bloom, Fillmore first, Schray second.

The cut flowers for Wednesday were very good. Chrysanthemums—Forty-eight blooms, Nathan Smith & Son first, E. G. Hill Co. second, Sanders third; twenty-five blooms, white, one variety, Nathan Smith & Son first, Vesey second, E. G. Hill Co. third; vase of fifty blooms, quality and arrangement to be equally considered, Vesey first with fine Bonnaffons, Nathan Smith & Son second, and Schray third; vase of twenty-four blooms, white and pink, E. G. Hill Co. first, Nathan Smith & Son second. In roses Schray received first on twenty-five blooms of Souvenir de Wootton; Vesey first and Ammann second on twenty-five Bridesmaids; twenty-five Bride, Ammann first, Vesey second. The American Beauties were of the very best and Ammann received first, Kellogg second. With carnations a vase of fifty Ethel Crocker was very good and took the blue ribbon for Vesey, while an equally good vase of Daybreak took first for Schray. A beautiful vase of mignonette was exhibited by Schray, and took first prize.

For Thursday the cut flowers seemed to be much better, as was also the attendance. Chrysanthemums—Vase twenty-five, pink, one variety, E. G. Hill Co. first, Kellogg second; vase of fifty, quality and arrangement to be equally considered, Nathan Smith & Son first, Vesey second; vase twenty-five, yellow, C. C. Sanders first, Vesey second. The roses were very good and our Perle King, Fred. Ammann, did not fail to take first on a vase of twenty-five Perle des Jardins with Fillmore second and Sanders third; vase of twenty-five Meteor, Vesey first, Kellogg second; vase of Kaiserin Augusta Victoria, W. W. Coles first, Kellogg second, Vesey third. A very fine vase of fifty G. H. Crane carnations took first for Vesey and second went to F. Ammann; vase of sixty variegated, one or more varieties, Vesey first, Nathan Smith & Son second. John Steidel exhibited some very fine double violets.

On Friday the weather was cold and it rained the entire day and evening, and although the attendance was good it was not as it undoubtedly would have been under better conditions. Chrysanthemums—Twenty-five blooms, yellow, one variety, Vesey first; vase of not less than twelve varieties, Vesey first. This being the last night the Shaw premiums were offered and the competition was good. They went as follows: Twelve blooms each of Mayflower, Major Bonnaffon and any other yellow, Vesey first, Teilmann second, Sanders third in each case; twelve any other white, Vesey first, Michel second, Sanders third; twelve any pink variety, Teilmann first, Sanders second, Michel third; twelve blooms, any variety introduced in 1898, 1899 or 1900, West End Floral Park first, Michel second, Teilmann third. Some of the yellows that were shown for three were: Sunderbruch first, Eugene Dailedouze second, Golden Wedding third; for four, Robinson first, Miss Florence Pullman second, Mrs. Jerome Jones third. Fee du Champsaur though very fine did not get a ribbon. For five, Helen Bloodgood first, Mrs. Murdock second, Mme. F. Perrin third. Twenty-five blooms of Liberty roses, E. G. Hill Co. first, Schray second, Steidel third; four vases roses, fifteen of a kind, American Beauty and American Belle excepted, Vesey first,

Ammann second, Fillmore third; twenty-five American Beauty (special), Kellogg first; twenty-five American Beauty (special), Ammann first, Kellogg second. Vase of white carnations, fifty blooms, Vesey first with Mrs. Wood, Steidel second and Fillmore third, each with a vase of Flora Hill; vase of pink, Vesey first with Mrs. Lawson, very fine, Ammann second with Wm. Scott, which were good; a vase of fifty, Jubilee, exhibited by Vesey were very good. Some of the other carnations exhibited were White Cloud, Genevieve Lord, Francis Joost and Triumph.

Julius Schray had some very good seedling chrysanthemums which attracted considerable attention, especially after they had named them after some of the late presidential candidates, and several



CHRYSANTHEMUM YANARIVA.

of them are very good and will add to our list of good varieties. One was named Wm. McKinley. This was a white with a faint blush of pink, but of very good substance. Another was Wm. Bryan, a large and excellent white with a good center and strong stem and foliage. Theodore Roosevelt was of a light pink shade but somewhat weak. Stevenson is a good pink resembling Mme. Perrin, of which it is a seedling; it has good holding qualities and with care it will without doubt pass its parent. Miss Allen is one that caught the eyes of all the ladies, as it was a white with a penciling of pink at the tips of the petals. Last, but best of all, was Mr. Dickman, named in honor of our new sheriff, an oldtime seedsman. It is a large white with a full center and strong stem. Mr. Smith, of Adrian, Mich., thought with a little care, of which the blooms shown had very little, it would be one of the best whites on the market. Malcolm Lamont, a dark red chrysanthemum was among the new things that the people saw. The Pride of Belleville, exhibited by Emmons, of Belleville, Ill., was awarded a certificate of merit by the judges.

The Queen of Edgely, or pink American Beauty, attracted a great deal of attention and, though it had been three days on the way, it was as good as ever. Rose

No. 19, or Marquise Litta, also came in for its share of praise, which it undoubtedly deserved, as it was very large, of good color, with strong stem and foliage. M.

Providence, R. I.

The second fall show of the Rhode Island Horticultural Society was held at Tillinghast Hall, Providence, November 14, 15 and 16. Chrysanthemums formed a leading feature of the exhibition and gave a specific name to the show, although it was general in character. Carnations were shown in good form and were very much in evidence, even though forced to divide the honors with the more magnificent autumn flower. Several large groups of palms and foliage plants, finely arranged, added much to the general effect of the display. Taken as a whole the hall presented as attractive an appearance as could be desired. The annex was occupied by an excellent display of fruit.

Specimen plants of chrysanthemums were not included in the schedule and but one or two were on exhibition, and these would rank only as ordinary, in view of the possibilities in this direction. An artistically trained standard shown by Col. Wm. Goddard was striking and commendable. This class of exhibits showed such a falling off in quality in past years that it was decided to drop them from the schedule entirely. Isn't it better policy to establish the rule that no prize shall be awarded to an exhibit which is not meritorious? A little soothing syrup in the form of a mention or gratuity is not out of place and the wise judge will not hesitate to offer encouragement in this form any more than to withhold prizes where they are not deserved.

It is to be regretted that competition was not more spirited. In fact it was almost entirely lacking from the territory from which this society naturally draws its material. Except for entries by an exhibitor from the vicinity of Boston, one local grower would have had a complete walkover in all the classes for cut blooms, as he did in some of them. This state of things is not creditable to the stay-aways, and certainly is not to their advantage nor to that of the winner. Tennyson says, "'Tis better to have loved and lost than never to have loved at all," which can well be paraphrased into, "'Tis better to have tried and failed than never to have tried at all." If there is one man who so much outclasses others in the excellence of his productions that he is usually the winner, he deserves what he gets, but there ought to be plenty of others with energy, spirit and ambition enough to be ready and willing to push him close enough to put him on his mettle and to give the public and the society the benefit of a race for the money. The competitor to be feared is not the one who gives up when he is beaten once or twice, but the one who in defeat studies his own weak points, remedies and strengthens them for the next occasion and then goes in to do his best the next time. Even if he retains his laurels, the champion has to keep his eye on that fellow all the time. A city of the size of Providence ought to have within its tributary district more than one grower who is willing to cast his gauntlet into the arena and meet all comers. As is usually the case, the attendance was not such as the merits of the show deserved. Are our flower shows advertised in the

best and most effective manner? I fear not.

The Floral Exchange, of Philadelphia, contributed a vase of the new rose, Queen of Edgely, and R. Witterstaetter, of Cincinnati, a vase of the new seedling carnation, Enquirer; both were in fine form and were awarded certificates of merit. Charles S. Cooper, of Brockton, Mass., received honorable mention for carnation Copley. Prizes were awarded as follows:

Chrysanthemums—Six specimen plants grown to single stem, white, second, Wm. Hill; pink, Wm. Hill; yellow, Wm. Goddard, second, Wm. Hill; "any color," Wm. Hill. Best specimen, new variety, second, Wm. Goddard. Vase thirty blooms, John Barr, gardener for Mrs. Cheney, Wellesley, Mass.; second, Farquhar Macrae. Fifty bottles, cut blooms, Farquhar Macrae. Twelve cut blooms, incurved, John Barr. Six blooms, incurved, F. Macrae. Six blooms, reflexed, F. Macrae. Best single flower, white, John Barr, second, F. Macrae; pink, John Barr, second, F. Macrae; yellow, F. Macrae, second, John Barr; "any variety," John Barr, second, F. Macrae. Six vases, ten blooms each, first, second and third, F. Macrae. Amateur collections, Mrs. V. R. Joslin; second, Miss Jennie Sweet; third, Annie M. Lewis.

Carnations—Cut blooms with foliage, not less than six varieties, S. J. Reuter; second and third, John Macrae. Twenty-five blooms crimson, S. J. Reuter, with Gen. Maceo. Twenty-five blooms dark pink, S. J. Reuter, with Mrs. Lawson; second, F. Macrae, with Triumph. Twenty-five blooms light pink, S. J. Reuter, with Morning Glory; second, F. Macrae, with Daybreak. Certificate of merit, N. D. Pierce. Twenty-five blooms scarlet, John Macrae, with E. G. Hill. Twenty-five blooms white, S. J. Reuter, with Mary Wood; second, F. Macrae, with Flora Hill. Twenty-five blooms yellow, John Macrae, with Eldorado; second, F. Macrae, with Eldorado. Best new seedling raised in Rhode Island, first and second, F. Macrae; third, W. S. Nichols.

Most artistically arranged exhibit of chrysanthemums, palms, ferns and foliage plants, first, E. J. Johnston; second, J. F. Parks; third, Col. Wm. Goddard.

Gratuities were awarded to Mrs. V. R. Joslin for display of pansies, to S. J. Reuter for display of roses and for vase of Bridesmaid, to N. D. Pierce for evergreens, cyclamens and ferns, to H. G. York for vase of seedling chrysanthemums and to Wm. Hill for crotons.

H. F. BURT.

Newport, R. I.

The ninth annual chrysanthemum show of the Newport Horticultural Society was a grand exhibition in every sense of the word and the members of the society have good reason to be proud of it. The writer is assured, and feels justified in saying, that at no other place in the country has a show been held that eclipsed the Newport exhibition in the point of excellence of the material staged. The groups of palms and foliage plants and groups of palms, ferns and chrysanthemums arranged for effect were superb. There were just enough groups to surround the hall and make a complete decoration for the side walls.

Throughout the center of the hall the specimen plants were placed. At the south end of the hall there is a balcony and upon a raised platform the palms, ferns and other specimen plants were arranged,



QUEEN OF EDGELY AND AMERICAN BEAUTY, SHOWING DIFFERENCE IN COLOR.

making a pretty background for the large vases of cut blooms, fancy baskets and table centerpieces of chrysanthemums. The cut flowers were shown in a room adjoining the hall. They were very uniform in size and finish and it certainly required the skill of an expert to pick the winners and do justice to the other competitors. The cut roses, carnations and violets were also staged here and much admired for their excellence of culture.

Robert Laurie, gardener to Mrs. Cornelius Vanderbilt, was first on group of decorative plants, on group of decorative plants and chrysanthemums, on six bush plants, on six bush plants, yellow, with Peter Kay; on six pink, with Vivian-Morel; on six red, with General Maceo; on six "any other color," with Inter Ocean; on arca, on kentia, on six blooms incurved chrysanthemum, on six blooms reflexed, on ten pink, on ten "any other color," and on table centerpiece.

John Barr, gardener to Mrs. B. P. Cheney, South Natick, Mass., was first on specimen yellow chrysanthemum with Golden Trophy, on pink with Louis Boehmer, on red with The Bard, on "any other color" with Louis Boehmer, on specimen pompon with Savanna, on

specimen fern, on twenty-five cut blooms of chrysanthemums, and on twelve blooms

Alex. Fraser, gardener to H. McK. Twombly, was first on six bush plants, white, with Frank Hardy; on ten cut blooms, white, and on bunch of violets, James Garthley, Fairhaven, Mass., was first for specimen white chrysanthemum with Mutual Friend and on specimen anemone with Garza.

Harry Westley, gardener to I. T. Burden, was first for any nephrolepis and on fancy basket of any flower other than chrysanthemums. Andrew Meikle, gardener to W. S. Wells, was first on any palm other than arca or kentia, and on Adiantum Farleyense.

Edward Jenkins, Lenox, Mass., was first on American Beauty, on Bridesmaid and Kaiserin. Farquhar Macrae, Providence, was first on ten cut blooms of a yellow chrysanthemum.

John Ash, Pomfret, Conn., was first on ten cut blooms of a red chrysanthemum, and also showed a magnificent bloom of F. H. Constable. W. Barth, gardener to Perry Belmont, was first on carnations.

Prize winners in the amateurs' classes were George Taylor, William Hazard and Mrs. E. P. Marsh.

Robert Laurie was awarded a first prize and a silver medal for General Maceo in the class for seedling chrysanthemums and John Barr received the society's silver medal for having the best plant on exhibition, Louis Boehmer.

M. D. Pierce, Newton, R. I., showed a new seedling carnation named Beau Ideal which appears to be an improvement on Daybreak. John Allen, of the Coswell Greenhouses, showed several vases of fine carnations but not for competition.

Robert Craig & Son, Philadelphia, staged the Queen of Edgely, for which they received a certificate of merit. It was much admired.

Frank Brinton, gardener to Theo. Davis, staged fine groups of well grown ferns not for competition.

Geo. A. Weaver & Co., made a good showing of seeds, bulbs and general horticultural supplies.

Edward Jenkins staged a vase of Sunrise, the new rose which E. G. Hill & Co., sent out last year.

The judges of the show were Wm. J. Stewart, Boston; James Wheeler and Kenneth Finlayson, Brookline, Mass.

Among the visitors were: D. F. Roy, E. A. Wood, T. J. Grey, Boston; Alex. Rennie, Farquhar Macrae, John Macrae, T. J. Johnston, E. N. Pierce, E. J. Johnston, Alex. Millar, J. B. Canning, Providence, R. I.; W. R. Smith, Washington, D. C.; W. P. Craig, Philadelphia. J. J. B.

Houston, Texas.

The greatest success in the form of a chrysanthemum show ever held in Texas was that at Houston, November 15 and 16, under the auspices of the Faith Home Association. It was their seventh annual exhibition and it is looked forward to each year by the flower loving people of south Texas as a kind of holiday time. The attendance was like the show itself, twice as large as ever before, and the net profits will not fall short of \$1000.

The leading feature was the entries from as many as seven noted florists outside the state, which made competition very lively and interesting in the classes for cut blooms and plants "open to all" growers in America.

Following is a list of winners in a few of the most popular classes:

Best twenty blooms, twenty varieties, Nathan Smith & Son, Adrian, Mich., first; William Kutschbach, Houston, second.

Best ten blooms, white, J. C. Vaughan, Chicago, first.

Best ten blooms, yellow, Michel Plant and Bulb Co., St. Louis, first.

Best ten blooms, pink, J. C. Vaughan, Chicago, first.

Largest bloom any color, J. C. Vaughan, Chicago.

Nanz & Neuner, of Louisville, also sent a large and creditable display, which elicited favorable mention. The center of attraction, however, was the large and magnificent group of single-stemmed chrysanthemums exhibited by James Morton, of Clarksville, Tenn. They added greater honors to the reputation of this popular expert as the pioneer of chrysanthemum growers in the south. These plants were of even height, splendid foliage and the most exquisite bloom.

In the cut flower classes J. C. Vaughan, the Chicago seedsman and florist, had the best of it. His Chadwicks were the best cut blooms in the hall. The exhibits of Nathan Smith & Son were extremely fine and the greatest in variety. Goldmine, by Vaughan, was successful as the

largest bloom in the show. Competition of from five to seven growers in each of the above named entries was extremely gratifying to the management and made the race for supremacy extremely interesting.

Among the Texas florists Wm. Kutschbach easily won first honors on a large number of entries. Owing to the great storm, exhibitions heretofore held at Galveston, Alvin and Dickinson were abandoned and patronage as well as many fine exhibits from those points centered at Houston. The prize list embraced roses and opportunity for the display of decorative skill. The season for roses was splendid and brought out the finest Beauties, Brides, Bridesmaids, Kaiserins and La France ever seen here. The decorations, as well as a number of booths for the sale of flowers, were very artistic and added to the general ensemble.

The marvel was how so beautiful a show could have sprung up after the recent great storm. Flowers amounting to more than a carload came from all parts of the country and the response will be duly appreciated during the spring trade. In the prize winning groups the newer varieties of chrysanthemums were not as successful as some of the popular older sorts. S. J. M.

Cold-Spring-on-Hudson, N. Y.

The second annual exhibition of the Putnam County Horticultural Society was held in the town hall on November 8 and 9. The exhibitors in all classes



CHRYSANTHEMUM BRUTUS.

were local, with the exception of the contest for the president's prize, which attracted outside exhibitors, W. Rockefeller, Wm. Turner, gardener, carrying off the coveted silver cup. The quality and finish of most exhibits was all that could be desired and it was a gratifying sight to see local society taking a keen interest in the results of the judging, which were as follows:

Chas. De Rham, R. Griggs, gardener, was first for group of chrysanthemum plants, specimen chrysanthemum plant, group of foliage plants, specimen Aspara-

gus Sprengeri, twelve chrysanthemum blooms crimson, six blooms crimson, six blooms "any other color," twenty-five blooms in vase, twenty-four varieties on boards, twelve blooms on boards, twelve blooms Rose Perle des Jardins, twelve Meteor, twelve scarlet carnations and on three dishes of pears. He also took a number of second premiums.

Mrs. V. R. Osborne, W. Buckley, gardener, was first on specimen fern, on one single-stemmed chrysanthemum, twelve blooms Col. D. Appleton, on twelve Bridesmaid roses, twelve Bride, twelve Liberty and on pink carnations. She also took a number of second prizes.

S. Sloan, J. Cassidy, gardener, was first on six chrysanthemum plants and on twelve plants in six varieties, on late celery, collection of vegetables and took a number of seconds. S. Cunningham was first on three single-stemmed plants.

Wm. Rockefeller, W. Turner, gardener, was first on thirty-six blooms of chrysanthemums, on twelve blooms white, twelve yellow and on three varieties of carnations, twelve blooms of each.

Col. W. E. Rogers, L. Hustis, gardener, was first on decorative plants, on three heads early celery, and second on other entries.

W. Sargent, W. G. Gomersall, gardener, was first on twelve blooms pink chrysanthemums and on twelve blooms "any other color."

General D. Butterfield, W. Dyos, gardener, was first on six foliage plants, on six ferns, on six poinsettias in pots and took several seconds.

J. T. Sherman, W. Haynes, gardener, was first on six blooms white, yellow and six pink in the chrysanthemum classes.

Capt. Metcalf, J. Lowry, gardener, was first on white carnations; second on scarlet.

Mrs. J. M. Toucey, E. Howe, gardener, was first on violets and on apples.

W. E. M.

Orange, N. J.

The sixth annual exhibition of the New Jersey Floricultural Society took place on Wednesday, November 14, at Bray's Hall. It was remarkable in that its chief feature was the exhibit made by the school children, the displays of the florists and professional gardeners being intended mainly as a setting for this unique show. There were nearly 1,000 children's entries and the affair attracted an immense throng of visitors old and young, the exhibits, many of them, being exceedingly creditable to the youthful horticulturists and the promoters are highly pleased with the success of the enterprize. The scheme had its inception in the fertile brain of J. N. May, who was a sponsor, promoter and generous donor of plants, seconded by W. A. Manda, A. D. Rose, J. C. Williams, Peter Duff, Malcolm Macrorie, John Hayes and others, and was under the management of Joseph A. Manda, who received unstinted praise for the efficiency and patience displayed in handling the unprecedented number of entries.

Statias as ever were the big latanias, kentias and cycads from those princely growers, Malcolm Macrorie, Peter McLaughlin, George Smith and W. A. Manda. Oscar Carlesen, the youngest exhibitor among the professionals, also made a good record for himself with cycads and pineapples. The center of the hall was adorned with a superb group of foliage plants from Peter Duff. George Smith won the special premium for the largest chrysanthemum bloom

and a painting by Mrs. Kitchen for the best exhibit. D. Kindsgrab showed a group of foliage and decorative plants, Geo. Von Qualen fine carnations and Peter Duff roses in variety.

Popken & Collins made a fine general display and showed how closely the commercial men are now following the expert private gardeners in the matter of quality. Their chrysanthemums and carnations were first-class, and their exhibits artistically grouped. Other trade exhibitors were, J. N. May, with several new varieties of chrysanthemums, for which he received three certificates of merit; W. A. Manda, with decorative foliage and flowering plants that brought him a certificate; J. C. Williams, who received a certificate for pompon chrysanthemums; A. David Rose, with fine chrysanthemum blooms and ericas; and Paul Wilcox, whose four cycads also were similarly honored.

Waco, Tex.

The fifth annual flower show at Waco, Texas, November 12 to 17, under the management of the Texas State Floral Society was given with the aid of the most auspicious weather possible and while no better than on former years the outcome may be classed as a fair success. The premium list was a very large one, offering good inducements in a variety of classes in floriculture and decorative art, but the response in entries was limited and not large enough to make competition interesting. The only florists entering from out of Texas were Baur & Smith, of Indianapolis, who won prizes in chrysanthemums and carnations as they chose.

Among the Waco florists who won are J. Woll and Miss Anna West, the latter having splendid success on competition in hanging baskets, design work and collection of palms. Mrs. S. W. Cohen, a prominent amateur grower, won on window garden, palms and collections of plants.

The auditorium which held the exhibition was a large and commodious building arranged chiefly for theatricals. Seats came in good stead for the comfort of goodly crowds of visitors who came as much to enjoy the band concert as the flowers. Governor J. D. Sayers, who was in attendance, formally opened the exhibition with a complimentary talk and was presented with a bouquet of handsome chrysanthemums in acknowledgement.

Among the prize winning chrysanthemums were noticed Major Bonnafton, Golden Wedding, Modesto, Minerva, Mrs. Weeks, Florence Pullman, Chas. Davis, The Queen, W. H. Chadwick, Evangeline, S. T. Murdock and Vivian-Morel. The most successful feature of the show was the hall decorations and decorative exhibits, which showed marked talent and artistic skill for the ladies in charge. The patronage was most gratifying and should encourage the management to endeavor to secure a larger display, especially among chrysanthemums, and livelier competition than in the past.

S. J. M.

Mt. Kisco, N. Y.

The fifth annual exhibition of the Bedford Flower Club was held in the Mount Kisco opera house November 8 and 9. While the number of exhibits was not as large as in previous years, the quality of the plants and cut blooms was superb and the show was very gratifying in



Fred. Sander.



Alfred Dimmock.

TWO EUROPEAN LEADERS.

other respects. A. L. Marshall, gardener to J. B. Dutcher, Powling, N. Y., took the lead on cut chrysanthemum blooms. He was first for best collection, limited to seventy-five; for five vases of six blooms, of different colors, and for twelve blooms and six blooms Col. D. Appleton, the Pierson prizes. The principal competitor in these classes was Geo. W. Barton, gardener to J. D. Layng, who was the leader in pot plants.

Mr. Marshall was first for twelve blooms of undisseeded seedling carnations. For the best seedling H. A. Spavins was first with a good white, Mr. Marshall second with a crimson variety. The latter was first for the best dozen blooms of any carnation.

H. A. Spavins brought the best violets and Mr. Marshall had the best collection of canna blooms. He was given a certificate of merit for a seedling with extra wide petals.

In plants Mr. Spavins was first for a collection, for pair of araucarias, and for Asparagus Sprengerii. Mr. Marshall was first for specimen decorative plant, for collection of geraniums, for pair of adiantums and for Begonia Rex.

In the amateur classes plants grown by J. E. Gorham, W. R. Mason and Geo. Mollison were accorded distinction. A. L. Marshall had the six plants best suited for house decoration.

A special prize valued at \$100, offered by H. F. Bailey, for the best twenty-four chrysanthemum blooms of not less than eight varieties, was won by Andrew Grierson, of Rye, N. Y., with a collection including Swanley Giant, Mme. Deis, Mrs. Mease, Mme. Carnot, Chatsworth, Mr. T. Carrington, Australian Gold, Duke of Wellington, Col. D. Appleton, H. J. Jones, Nellie Pockett and a very fine unnamed yellow seedling. Wm. Duckham, of Madison, N. J., was second and W. Angus, of Hartford, Conn., third.

H. S.

Oceanic, N. J.

The regular meeting of the Monmouth County Horticultural Society was held in Red Men's Hall, Oceanic, N. J., November 8. A free exhibition was held at the same time, which was very fine but

suffered on account of the smallness of the hall, the exhibits being necessarily too crowded to be seen to advantage. Some of the first prize winners were, H. A. Kettel, N. Butterback, H. Birch, W. Kennedy, G. Kuhn, and Robert Murphy.

Mr. Kettel showed a yellow seedling, a cross between E. D. Adams and Miss Hartshorn, which promises to be an acquisition. A very good white seedling was also exhibited by N. Butterback. In the vegetable department Mr. Birch showed a remarkable collection of vegetables, including some fine peas, something rare at this time of the year. W. Kennedy was also a successful contributor in this department. The judges were T. MacIntosh, J. T. Crusier and A. Brighton. At the annual election of officers all of the last year's incumbents were re-elected. The report of the auditing committee showed that the funds of the society are increasing steadily. It was decided to have the annual dinner at the time of the next meeting, when the installation of officers will take place.

Manchester, Mass.

The North Shore Horticultural Society gave an elegant chrysanthemum show at their hall on the afternoon and evening of Tuesday, November 13. It was a great success in point of merit and in attendance. Among the prominent exhibitors were C. D. Sias, J. Scott, gardener; W. F. Spry, H. L. Higginson, Jos. Clarke, gardener; Mrs. R. C. Winthrop, A. G. Thayer, J. B. Dow and W. E. Walker. The judges were J. McGregor, T. W. Head, Herbert Clark and Wm. Griffin.

Two European Leaders.

Among the European concerns doing an extensive American trade, there is none better known than that of F. Sander & Co., of St. Albans, Eng., and Bruges, Belgium. The personality of the senior member of the firm, Fred. Sander, is not so familiar to the trade of this country as that of its genial traveling representative, Alfred Dimmock, but doubtless a few particulars of the career of each will prove interesting and instructive to the many young men now in the

business. The history of a successful man is always inspiring.

Fred. Sander, the famous orchid expert and plantsman, was born at Bremen in 1847. Early in life he was apprenticed to Karl Schubert, of Weemar, a landscape gardener of renown; later he went to C. Cropp, at Erfurt, subsequently joining Peter Smith's forces at Hamburg. In 1867 he removed to England, becoming identified with the establishment of Messrs. Carter, at Forest Hill, where he remained six years.

Benedict Roezl, the great collector, often visited Carter's. He delighted in orchids but at that time there was not even a livelihood to be gained by collecting them. Such as he gathered he consigned to Messrs. Ortgies, at Zurich, sending only miscellaneous plants and seeds to the English nurserymen, at whose place he met the young German and took a fancy to him. Roezl after a time offered to withdraw his orchid consignments from Ortgies and send them on favorable terms to Sander.

This entailed a great responsibility but with this agency in prospect Mr. Sander opened business at St. Albans. Shortly afterward the Roezl consignments began to pour in. There was at that time no talk of the extermination of orchids. They came by hundreds of thousands, in such receptacles as came to hand, many of those on the outside perishing but serving as a protection for those inside. Mr. Sander had no place to store them in safety and then, too, he had to sell to get some money with which to meet his daily needs. But after a while the result of the large supply was a brisk demand. Roezl, who had lived from hand to mouth for a lifetime, was enabled to retire in five years to spend his old age in peace at Prague. Other collectors, scarcely less noted than Roezl, kept up the consignments of orchids for some years, when Mr. Sander put his own men in the field.

Prior to 1873 Mr. Sander had no greenhouses but in that year he built one with his own hands for the care of the consignments of orchids. In 1881 he built the first of the houses now famous, just outside St. Albans, and now has five acres of glass and is the largest collector and importer in the world. In recent years Mr. Sander established a depot at Bruges, Belgium, to supply his American and continental patrons with palms, azaleas, bay trees, etc., which he grows there on twenty-five acres of land on which are over 100 large greenhouses, the largest nursery of the kind in Belgium.

One feature of Mr. Sander's success worthy of special mention is that connected with the cultivation of hybrids, begun in 1878. His results in crossing different species of orchids have been remarkable and have afforded the horticultural world many splendid subjects and at the same time brought the experimenter a substantial reward. Notable among the many hybrids are *Lælio-cattleya Arnoldiana*, which has twice obtained the gold medal of the Royal Horticultural Society of England; *Lælio-cattleya Rothschildiana*, *Lælio-cattleya Fred. Boyle*, *Epidendrum-lælio Hardyana*, and dozens of others. He has gained many international honors and innumerable medals and certificates by his skill as a plantsman.

Alfred Dimmock comes of good gardening stock and to this, no doubt, much of his success is due. As a boy he assisted Mr. Sander when he built his fifth greenhouse some twenty years ago. Five men were then employed by the establishment



IVORY CHRYSANTHEMUMS CUT AT SEATTLE, WASH., OCTOBER 15.

while the firm now employs 200. After a thorough drilling in the stokeholes, potting and packing sheds, greenhouses and London plant auction rooms, Mr. Dimmock was "put on the road," covering the north of England and part of Scotland. Thirteen years ago he came to this country to assist the late I. Forstermann, whom he succeeded after his demise. Mr. Dimmock is pretty close to his fiftieth voyage across the Atlantic and he has been identified with the distribution of many new and interesting plants, most of which are familiar to our readers. He has met many famous plant collectors and in this way acquired a vast fund of information as to the conditions which attend the lives of plants in their native habitats.

Two New Chrysanthemums.

The two chrysanthemums herewith described and illustrated originated with Jno. N. May, of Summit, N. J.

Yanariva (reflexed).—Vivand-Morel form, deep blush pink in center, gradually decreasing in color to a pale blush at the outer edges; quite distinct from any known variety, and a grand acquisition; seven inches through by five to five and one-half deep. Terminal buds in season from October 30 to November 15. Certificated. (Page 562).

Brutus (reflexed).—Bright orange red, two and one-half to three feet, dense foliage, heavy stem, flat petals, the whole forming a handsome flower of glowing sunset red, averaging six inches through by four and one-half deep. Crown or terminal buds in season October 20 to November 1. Certificated. (Page 564).

CARNATIONS.

*SPECIAL FERTILIZERS FOR CARNATIONS.

The question of additional fertilization will soon be occupying our attention, and without assuming to be an authority as to just the proper method, I will give a few ideas, partly learned from experience and partly from observation and

*These instructions were intended for our issue of November 17, and should be so applied.

reading. Couple these with your knowledge of your own soil and its requirements and they may be of some use to you.

If we have started with the soil in our beds well filled with humus in the shape of stable manure we can now begin to stimulate the plants with any special manure with which we may have had experience. Aside from the addition of extra fertility to the soil we must not lose sight of its mechanical condition, as this is quite as important to the health of the plants and the production of good flowers with substance to their petals.

The soil should not be allowed to become so fine or compact as to exclude air. The continual application of manure water every two weeks for the balance of the season, and especially so if made from animal fertilizers, has a tendency to put the soil into such a condition. Some forms of phosphates or special manures will do the same thing and in the application of such fertilizers a constant watch must be kept that the soil does not get too compact.

Here, as in every other part of carnation culture, there can be no set rules. A soil that is so porous as to allow the water to run through, carries, with every drop of water that goes through the bench, a proportion of the elements of fertility and therefore is a constant loss to the plants. Such a condition can be remedied in no better manner than to apply liquid manure not too highly diluted with water.

It is generally conceded that the three substances most needed in nearly all soils are nitrogen, phosphoric acid and potash and that very few soils contain sufficient of these ingredients to fully cover the wants of the plants.

Of these three nitrogen is the one most needed by the plants and the others follow in the order named. It therefore stands to reason that in using what might be termed a stimulating fertilizer, we especially want these three elements in as concentrated a form as practical and our composition well filled with nitrogen.

Those who have not had experience with special fertilizers had better use them on very small plots and note results care-

fully for future use, as there is danger of supplying too much of one material and not enough of the other for the demands of our soil and plants and this often results in a serious and direct loss.

Of all animal fertilizers sheep manure is the richest in nitrogen and phosphoric acid, where it can be obtained in a comparatively fresh state. As it is seldom filled with litter it can be used as a mid-winter stimulant to good advantage; perhaps nothing else is quite so good in every particular. Very ordinary results will be obtained if the material is old or has been exposed to the weather for any length of time, for in addition to its being the richest in nitrogen of all animal fertilizers, it also is the quickest to lose that nitrogen unless it is artificially fixed and even then it is not to be compared with the fresh.

Next to sheep manure, and preferable to much of it, is a composition made of well rotted, screened stable manure. Take four bushels of screened manure, one-half peck of good bone, mix the two and allow them to ferment a week or ten days; then add one-half bushel of wood ashes and one-half peck of air slaked lime and mix the whole thoroughly. Apply this as a top dressing in quantity according to the needs of the plants. In making the compost the manure should be sufficiently damp to keep up a proper degree of moisture for the ten days without the application of water. The pile should be made under cover where it does not freeze and should not be over one foot in depth. It should be turned several times so as to thoroughly mix the ingredients and keep it from heating.

The more bone that can be added to such a mixture the better it will be, providing the bone is good, pure and safe to use. As much as two bushels of bone can be used to four of manure and the quantity used on the beds decreased accordingly, with just as good or better results. This week or ten day nitrification of the compost prevents the formation of the mould that forms on the beds where pure bone is used and puts all of the materials into a more available plant food than when used alone.

Ground bone, providing it is pure, can be used to advantage by itself, as it is rich in available plant food and can be applied so lightly that it adds comparatively nothing to the bulk of the soil. It should be stirred into the soil with a short-toothed scratcher to a depth of about one-half inch; it is then soon absorbed by the soil and ready for the plants.

A soil that is deficient in potash can often be made to produce wonderful results by the application of wood ashes, as they contain, if good, about fifty per cent of potash. Whenever the foliage of the carnations does not come up to their normal standard of green, wood ashes can be applied to advantage and they will often help to tone up poorly colored flowers.

Whenever the soil is "sick" from an overdose of fertilizers, and this is oftener than most growers would think, an application of air slaked lime will usually put it into normal condition. In such cases the lime should be stirred into the soil to a depth of from two to three inches, even at the expense of some of the plants' roots. Even where the soil is good, carnations, as a rule, take kindly to a little lime and if they do not need the mixture advised as a fertilizer, a light sprinkling of lime stirred in to the depth of a half an inch is time well spent.

There could be much written about the organisms that nitrify our soils and the proper amount of moisture and heat to give the soil for their increase and activity, but most of us have learned by experience the moisture and heat necessary for our carnations and a simple reminder that these two points are more necessary than manures will suffice.

ALBERT M. HERR.

Palm Culture in Belgium.

Palm propagating and palm growing as practiced in Belgium is simplicity itself. The soil is sandy and one can dig very deep without encountering even a pebble and this natural soil is what is used in palm culture. The seeds are planted at a depth of about two inches under the benches in moderately warm greenhouses and an occasional watering is all the attention they receive until they have pushed through and the seed leaf is formed.

They are then unearthed with a broad piece of iron, potted, and placed in a house heavily shaded by painting the glass and the addition of a shading of thin, one-inch strips of wood about one-quarter of an inch apart. They are then encouraged to rapid growth by warmth and frequent syringing and are repotted as they attain size. The heavy shading is not only a safeguard from injury by the sun but insures a dark green color on the foliage.

In the cases of some of the more tender kinds more careful attention than above indicated is required. *Cocos Weddeliana*, for instance, because of its sensitive tap root, is started in flats, the seed being laid upon the surface of the soil and covered with sphagnum. As soon as they begin to germinate they are potted off into "long toms," in which they are grown. Large sized plants of this species are seldom seen. The largest I have noted in quantity were at the nursery of Thos. Rochford, Bronxbourne, England. These were from two and one-half to three feet in height and remarkably handsome.

R. S. EDGAR.

Bruges, Belgium.

New York.

MARKET SLIDES BACK INTO A CONDITION BORDERING ON A GLUT.—LITTLE DEMAND AND FORTUNATELY LITTLE STOCK.—VARIOUS ITEMS OF LOCAL INTEREST.

The advance in the flower market noted last week can hardly be said to have been maintained, although, no doubt, much of the depression now felt is due to the renewed warm weather. Open street cars and shirt waist attire have prevailed up to present writing but overcoats and furs are placed within reach in case of the arrival of the blizzard which we learn our western neighbors are enjoying. The best that can be said is that there is no "glut" on as yet although the market is on the ragged edge and, with the exception of orchids, everything has taken a drop since last week. Violets have not experienced the looked for boom. Roses are coming in soft and are losing color under the darkened skies, *Beauty* and *Bridesmaid* suffering most. The horse show is a disappointment as far as special demand for flowers goes and the large orders of last week are sadly missed by the wholesalers and growers. In general, it may be said that the flowers most affected by the present conditions are the middle grades of *American Beauty*, also *Bridesmaids* and *lily of the valley*.

The employes of the florists in the vicinity of Greenwood Cemetery have an association of their own. They held their annual entertainment and dance at Prospect Hall on Wednesday evening, November 21. The hall was handsomely decorated and the members and their friends enjoyed themselves as only florists can.

A chrysanthemum show under the management of John Condon is going on at the Eden Musee this week. In announcing the event some of the newspapers got John Condon, the American Rose Society and the American Carnation Society hopelessly mixed.

A delegation of fifteen flower and plant dealers called on Mayor Van Wyck on Monday to urge the provision of suitable accommodations in a new market for plants on the site of the old Clinton market.

John Young has secured the control of the sale of Miller & Son's sensational chrysanthemum, Timothy Eaton.

F. W. Taylor, of the Pan-American Exposition, arrived from Europe last week on the *Furst Bismarck*.

A. Schultheis is putting the finishing touches on his new mansion.

Boston.

CONDITIONS GREATLY IMPROVED IN THE WHOLESALE MARKET.—CHANCES FOR A LIVELY TIME PRECEDING THE DAY OF TURKEY DINNERS.—FEW OF GANE'S CHRYSANTHEMUMS EXHIBITED.—FRUITS, VEGETABLES AND ORCHIDS.—NOTES.

Conditions are greatly improved in the cut flower market since last week. Roses have shortened up sufficiently to wipe out the surplus and make increased prices possible, although it is also true that the advance in values is combatted at every step by the retailers and the wholesalers have not been able to reach the point aimed at in any line. Violets have advanced slightly but there are enough carnations for ordinary demands, the abundance of *Ivory* and other serviceable white chrysanthemums serving as a safety valve to keep carnations under control. Thanksgiving Day is always a big event in this market and with the present condition of crops and the predicted cold weather there is plenty of stimulus for a real, old-fashioned circus in the flower market during the coming week.

It is to be deplored that the liberal prizes for which Mrs. Jerome Jones provided a fund in memory of her father, the late Henry A. Gane, were not more generally competed for at the recent chrysanthemum exhibition here. The only variety shown that originated with Mr. Gane was the *Mrs. Jerome Jones* and this was well worthy of the premium it won. But the intent of the fund was to keep in cultivation, if possible, the entire list of Mr. Gane's productions, of which West Newton, Mrs. Henry A. Gane, *Marsia Jones* and *Bessie Jones* might be mentioned as especially worthy.

The exhibition of winter fruits and vegetables on November 17 was quite complete, especially in apples, pears and celery. An interesting group of orchids from the greenhouses of Mrs. F. L. Ames were shown, including *Miltonia vexillaria Amesiana*, *Laelio-cattleya Pallas*, *Laelio-cattleya epicostra* and *Laelio-cattleya Lady Rothschild* (*C. Warszewiczii* × *L. Perrinii*) the latter being awarded a certificate of merit. H. H. P. Carstens showed a nice plant of *Stanhopaea oculata*.

John B. Reardon has gone to Moosehead Lake on a hunting trip.

Robert Christianson has leased a tract of land on Sylvan street, Maplewood, where he will open a nursery business.

R. A. Sanborn, of Malden, has been appointed a resident assistant at the greenhouses at the Bussey Institute.

McCarthy's auction sale of Holland trees and shrubs on Tuesday was a pronounced success.

E. F. Costeller has gone into bankruptcy. Liabilities \$3,066.67; assets, none.

R. H. Kidder, of Waltham, has made an assignment.

Visitor in town, L. B. Craw, of Lord & Burnham Co., Irvington, N. Y.

Philadelphia.

MARKET ACTIVE AND STOCK SHORT IN ALL LINES.—ALL ABOUT THE RISE IN PRICES.—FIGURES ON THE GRADES.—FALL SHOW ONE OF THE MOST SUCCESSFUL.—WAS WELL MANAGED.—MANY VISITORS.—VARIOUS NOTES OF VARIED TRADE INTEREST.

The past week has kept the boys moving at a great rate. Business was good but nothing extra doing. The dull cold weather, however, shortened up the crops to such an extent that it was a grand struggle each day to get stock enough to fill the orders. All kinds of flowers were scarce, and violets, oh! my; what a time there was guarding the few bunches that came straggling in. Even New York sent over and tried to get a portion of the few, but the out of town shipments were very light, as in times like these the fellows on the ground have the advantage. Prices, as a consequence, have soared considerably. Beauties are now selling for \$1.50, \$2.50, \$4 and \$5 per dozen. Teas bring from \$6 to \$10 per hundred; Liberty, \$8 to \$12, and some extras \$15 per hundred. W. J. Moore is getting in some gilt-edged stock of Liberty that makes the Meteors look common. If this rose continues to improve at the rate it has for the past three weeks, it will stand in a class by itself and next the Beauty as a seller. Beauties, by the way, have never been finer at this season. The past week some exceptionally good stock has been seen, the improvement being noted in all stocks, although, more pronounced in some than others. The weather has probably had much to do with this, at least it is so accounted for by some growers. Carnations are also up, \$1.50 to \$3 now being the figures. Ethel Crocker is showing up fine with nearly all those who have planted it, and is easily the largest pink at this time. Violets have sold as high as \$1 per hundred for the California, 75 cents to \$1.50 being asked for doubles. Chrysanthemums are selling well; \$1.50 to \$2 per dozen for good flowers is the price, with \$2.50 to \$3 for a few of the choicest. Robert Craig & Son's Chadwick, a fine white, is hard to beat, and there is a great demand for Harris' Our Dear Friend, a fine light yellow. Bonnaffon, of course, leads in the yellows, with Golden Wedding also a favorite.

The chrysanthemum show just closed was one of the most successful, particularly in the point of attendance, of any for the past five years. The retail florists did not, we are sorry to say, take any, or comparatively little, interest in the exhibition, as but two or three made exhibits. Secretary Rust managed the show with great system, having the premium cards placed on the exhibits immediately the judges made their report. There was also a number of typewritten copies of the awards, sufficient for all the

papers, ready at the close of each day, which is a great help to the reporters and an excellent advertisement for the show. There were a great many out of town visitors, so many in fact, that we could not get the names of near all of them, but it seemed that almost everybody of consequence from all over the country was here.

The fair debutants are now in the height of their season, and each day sees several of them introduced to society. The custom of sending bouquets is, we are happy to say, as much in fashion and being observed with as much vigor as for the past few years. May it always remain fashionable, as to have to chronicle its decline would be a most melancholy task.

S. S. Pennock is putting a new water proof, silk-lined stem or handle covering for bunches of violets, on the market. It is easily slipped on the handle and the ribbon or tasseled cord, which is passed through a loop in the top, acting as a drawing string when the bow is made, fastens it on tight. It is a great convenience, and is a finish to a beautiful bunch.

Francis Supoit has imported a large lot of lilacs and is now in the market with the flowers. These are forced on stems or branches three to four feet long and with some laurel branches it is easy to simulate a plant such as is seen on the lawn in June. The price is 25 cents per branch.

Miss Magdalen Fox, daughter of Chas. Fox, and Herman Bieg were married on the evening of November 12 at the Church of Our Redeemer, Sixteenth and Oxford streets. The floral decorations in the church were lavish.

On November 16, fire caused by a defective flue, inflicted a damage of \$2,000 at the greenhouses of Julius Koehler & Sons, Bridge street and Frankford avenue.

H. C. Schmidt has given R. M. Pierson the contract for a greenhouse at the corner of Ridge avenue and Crease lane, to cost \$4,000.

G. Gustave Papsch, recently with La Roche, of Collingsdale, Pa., has gone into business for himself at West Moorestown, N. J. K.

Chicago.

THE WHOLESALE MARKET EXPERIENCES A PERIOD OF SHORT SUPPLY AND LIGHT DEMAND.—PROSPECTS FOR THANKSGIVING.—MEETING OF THE CLUB.—VARIOUS ITEMS OF PERSONAL DOINGS IN THE TRADE.—VISITORS.

This week has seen very small supplies of roses and only a few good carnations, but the demand has been no more than could be easily taken care of. There have, however, been far more chrysanthemums than could be assimilated without clogging the channels of trade. The first three days of the week were very wet and there was no business doing, and even when the skies brightened the retailers would not touch first-class chrysanthemums at more than \$1.50 to \$2 a dozen, and some very fine stock was sold at this price. The prospects are that the Thanksgiving trade will be heavy in comparison to anything which has been experienced thus far this season. The growers and commission men are figuring that they will not have roses enough to go around and that the increased call for carnations will exhaust everything of fair quality in this line. It seems, however, that there will be enough chrysanthemums to meet all demands, unless the

shortage of other stock should occasion an unlooked for call for the larger and more easily obtainable material. Violets have been going a little slower in the last few days, but they will doubtless be in brisk demand next week. There are some calla lilies now to be had. Smilax has been selling well of late but the very large supplies which are at hand have prevented any material rise in prices. One commission house says that it could supply 6,000 strings on two days' notice at current market rates.

At the meeting of the Chicago Florists' Club, Friday evening, November 16, Frank Oechslein and John Mangel were elected to membership. The committee in charge of the flower booth at the show presented its report, as given in our last issue. The club voted to extend a vote of thanks to all donors of stock for the benefit of the Galveston florists. There were no papers read at this meeting, but there are three in order for the meeting of December 7. The subject will be forcing roses, and will be discussed by Messrs. George and Luke Collins and Paul Kopanka.

The police have been on the lookout for a man named Ferro, who is supposed to be on his way from San Francisco to his native Italy. Ferro worked for Stephen Ferreri, near San Francisco. Ferreri planted, among other things, a tin can containing \$700 in coin. Shortly after Ferro started for home the can was missed. It is not at all certain that Ferro dug up the can, but the police have been asked to question him about it should he stop off in Chicago en route to New York.

In the report of the chrysanthemum show, page 471, issue of November 10, J. J. Mitchell (George Woodward, gardener) should have been credited with three prizes with which we credited A. S. Trude (Robt. Mueller, gardener) as follows: One araucaria, first; one croton, second; geraniums, second.

Mrs. C. L. Washburn has been in a private sanitarium on the South Side for the past two weeks, in care of Dr. Billings, one of Chicago's most renowned physicians. She is gradually regaining her health but Dr. Billings says it will be another month before she can return to her home.

Albert Fuchs, who spent the summer in Paris, is journeying about among his old friends wearing a smile of content. He says he has no business cares and that he is very nearly free from the rheumatism with which he suffered for so long.

There are several growers who think that early forced pæonies will be a good thing in the spring, and H. Schiller is not likely to have a monopoly on this item as in the past. There is considerable rivalry as to who will be the first in.

Geo. Harter, of Morton Grove, is going into carnation and rose cuttings more extensively next year than in the past. He has a large stock of Ethel Crocker, which he considers the best pink carnation at present on the market.

The National Irrigation and Good Roads Congresses have been in session at Central Music Hall this week. There has been a large attendance and some noted men have discoursed upon topics of live interest.

Anton Then has a nice crop of baby primroses which he is distributing among the local retailers, who find it a first class article for filling baskets for Thanksgiving and Christmas.

E. H. Hunt is winding green in the

Wabash avenue basement formerly occupied by W. E. Lynch, where a large force of girls is easily accommodated.

Weiland & Risch, who pride themselves upon the up-to-dateness of the stock they grow, are preparing to go into the rooted cutting business on a large scale.

The report is that far less orders than usual have been received in advance for Thanksgiving and the rush, if any comes, will be at the last minute.

Geo. Reinberg is at Sioux Falls, S. D., on a pleasure trip. He expects to find some good shooting.

McKellar & Winterson are adding a fine mosaic floor to the attractions of their store.

Visitors: B. Eschner, of M. Rice & Co., Philadelphia; E. H. Giesy, of the Lockland Lumber Co., Lockland, O; Miss Miles, daughter of Isaac Miles, of Oshkosh, Wis., returning from Denver, where she spent the summer; John Schneider, Kansas City; M. F. Kyle, Kalamazoo, Mich.

Washington.

TRADE FAIR IN THE CAPITAL CITY.—RETAILERS ARE ALL MAKING GOOD SHOWINGS IN THEIR STORES AND WINDOWS.—SOME DESCRIPTIONS.

Weddings and receptions are keeping some of the florists quite busy, and aside from the funeral work chrysanthemums are having full sway. Violets are very fine and are in good demand. Carnations are good.

A. Gude & Bro. have had their store tastefully decorated. Near the entrance was a bank of Adiantum Farleyense and the mirror was decked with orchids. In the rear was a bank of Nephrolepis davallioides furcans and palms. But the bulk was chrysanthemums. In the window were some fine vases of the leading varieties, also some fine American Beauty and La France roses, the latter with stems three feet long.

J. H. Small & Sons last week had their store decorated with large palms, a number of specimen chrysanthemum plants, and large vases of choice cut blooms of chrysanthemums. The improvements they lately finished give them much better facilities.

Z. D. Blackstone has made a fine display in his large window with autumn leaves and a large vase of Golden Wedding chrysanthemums. The store is well stocked with palms and other plants.

W. W. Kimmel has sold out his business at 805 Vermont avenue, and has accepted a position with Z. D. Blackstone as chief decorator.

Litzinger & Wade say they are getting a good trade at their "Floral Hall," which they keep well stocked with plants and cut flowers.

J. R. Freeman, J. Louis Loose and the American Rose Company have had their stores and windows tastefully decorated.

George C. Schaffer is making a good show at his store and says he is doing fairly well. P. G.

Cincinnati.

DISPLAY OF CHRYSANTHEMUMS AND OTHER FLOWERS AT THE CLUB MEETING.—NOTES OF THE PREMIUM WINNERS AND EXHIBITS.

Chrysanthemums are now in their glory and although the show at the club rooms, on November 17, was not as large as in previous years, what it lacked in quantity was made up for in quality. The E. G. Hill Co., of Richmond, Ind., had the best display and captured three

first prizes out of four entries, taking first on yellow with Lincoln, on "any color" with Mayflower, and on twelve blooms, twelve varieties. They also showed twelve blooms of Quito for pink. This firm exhibited its new rose, Marquise Litta, a red rose of good fragrance and fine form. Before awarding a certificate for it the judges asked them to exhibit it again in February. Richard Witterstaetter showed twenty-five Bonnaffon which should not have been cut for another week, as one-half of the flowers were not nearly open. Mr. Witterstaetter also staged Enquirer, Mrs. Lawson, Estelle and Elinora carnations for exhibition only, for which he received honorable mention. A new white seedling, No. 723 A, is certainly a "dandy," and so was his vase of Enquirer. J. W. Rodgers showed twenty-five Major Bonnaffon and twelve Mme. Perrin, for which he received first prize on twelve best pink. Geo. Bayer, of Toledo, received first with twenty-five Major Bonnaffon, fine blooms and well arranged. J. Goldmann, Middletown, Ohio, entered for twelve red roses with Meteor, and twelve yellow roses with Sunset and Perle. He received first on vase of yellow. George & Allan exhibited Meteor for best red and received first, also first on Bride and Bridesmaid. This firm had eight vases of chrysanthemums on exhibition, and vases of lily of the valley, of Roman hyacinths and Paper White narcissi. There was a vase of the new rose, Queen of Edgely, which received honorable mention. The judges were Albert Sunderbruch and James Allan.

Trade the past week was good, with hardly enough roses and carnations to go around. Several weddings and much funeral work kept the store men pretty busy. D.

Providence.

RHODE ISLAND GARDENERS ELECT OFFICERS AND PLAN A BANQUET.—VARIOUS ITEMS OF INTEREST.

At the regular November meeting of the Florists' and Gardeners' Club of Rhode Island, Wm. Hill was elected president; Michael Sweeney, vice-president; F. Macrae, treasurer; A. M. Rennie, secretary, with the same subordinate officers as last year. It was voted to hold the annual banquet in the club hall, on the first meeting night in January. A committee was chosen to make all necessary arrangements for same. The club extended its sympathy to Michael Sweeney, whose absence was occasioned by the sudden death of his daughter, Lizzie.

Lawrence Hay, employed as foreman by T. O'Connor, for several years, has severed that connection to take charge of the Brown University botanical gardens. A greenhouse will be erected in the spring on the garden site.

A lessor's sale of the greenhouse property and stock of E. J. Collamore took place a few days since. The property was bid in by the lessor's attorney.

G. W. Wagner will spend the winter at the Sulphur Springs of Colorado, for his health. LITTLE RHODY.

ANDOVER, MASS.—The annual exhibition of the Florists' and Gardeners' Club was held in the Town Hall on November 8 and 9.

JOLIET, ILL.—Joseph Labo's business is increasing so rapidly that he is crowded for room. He is doing a highly satisfactory business.

Toronto.

VIOLENT WEATHER INJURES TRADE AND DAMAGES GREENHOUSES.—MONTHLY MEETING OF THE CLUB.—SUCCESS OF TIMOTHY EATON.—VARIOUS NOTES.

A very violent wind storm has caused much damage in this vicinity and the growers are busy replacing the glass which was broken. The weather has been most unfavorable the last few days and "the boys" are all complaining about business. Some very good chrysanthemums are coming in. Carnations are very good, although not plentiful, and violets are at a premium.

The regular monthly meeting of the Florists' Club was held Tuesday night and, as a report on the recent show was expected, the attendance was good. As all the subscriptions have not been paid, the treasurer was unable to give a complete statement of results. George Hollis showed a new white chrysanthemum seedling very similar to the new Timothy Eaton and was awarded a certificate of merit by the club.

Miss Mable Dunlop, daughter of John H. Dunlop, was married Wednesday afternoon to Augustus K. Butchart. The residence of Mr. Dunlop was handsomely decorated and the presents received by the bride were many and valuable.

Mr. Miller has returned highly elated with the success of his new seedling, Timothy Eaton, it having won three cups, two medals, one first prize and a certificate of merit at the various flower shows at which it was exhibited.

J. Hay & Son, of Brockville, gave their annual chrysanthemum show last week and it met with great success. The store and greenhouses were most artistically decorated.

J. R. Fotheringham, representing the F. R. Pierson Co., is in town.

Frank Brown, of Barrie, has lost his entire plant by fire. H. Y. D.

St. Louis.

Otto Fehrlin, formerly a leading florist of Galveston, has bought out the Vale of Cashmere Co., doing business at 1044 North Grand avenue.

Arnold Ringier, representing W. W. Barnard & Co., of Chicago, was among the visitors chrysanthemum show week.

Frank Ellis has his new store in running order and is doing well. We wish him the best of good luck.

Eugene Michel has been down at Waco, Texas, acting as judge at the exhibition recently held there.

Business is reported as having improved considerably, prices being good.

F. J. Fillmore's Flora Hill carnations are about perfection.

Charles Kunz is now with H. G. Berning. M.

NEW HAVEN, CONN.—The fourteenth annual convention of American Agricultural Colleges and Experiment Stations was held here last week. About 100 scientists, representing twenty-eight states and some foreign countries, were in attendance.

SHARON, MASS.—An interesting contest is in the court here as to the authority respectively of the tree warden and the selectmen. The tree warden has ordered all signs, electric light fixtures, etc., removed from the street trees and the selectmen have secured an injunction restraining him from interfering with the same.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent, 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts apply-
ing only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

OWING to pressure on our space several
reports of exhibitions and other impor-
tant matters are held over to next week.

THE death of Mrs. John Laing, Novem-
ber 7, is reported, she having survived
her husband, the eminent English plants-
man, only a few weeks.

THE florist who has not given a free
chrysanthemum show at his greenhouses
during the past fortnight has missed one
of his best business opportunities.

IT is interesting to learn from one of
our subscribers of Dunedin, New Zealand,
that the two days' spring show of the
local horticultural society closed Septem-
ber 27.

WHILE many sections of the country
are still experiencing unseasonably warm
weather, localities in western New York
have had a blizzard accompanied by the
heaviest snow fall recorded in years.

NEXT week the day of closing the forms
on the AMERICAN FLORIST chances to be
the one upon which all laboring men,
particularly printers, are accustomed to
cease work to give thanks and devour
turkey. Therefore mail your "copy" to
reach us Wednesday.

"Bonnaffon."

(Lines on a yellow chrysanthemum.)

Oh! you pretty, fluffy thing
Of soft canary yellow,
One would think you ought to sing,
You Japanese fellow,
You're made of such a feathery stuff,
With head just like a powder-puff.
Did merry little Tu-Su San
Ever paint you with her brushes?
Methinks she used, in far Japan,
To shield with you her blushes!

Go, whisper now the message sweet
To her to whom I send you—
"My heart is ever at your feet
Such grace doth nature lend you."

M. R. K.

Greenhouse Building.

Kalamazoo, Mich.—Van Bochove Bros.,
two houses.

Rhineland, Wis.—Peter Philip, one
rose house.

Philadelphia, Pa.—H. C. Schmidt,
house 21x90.

Kennebunk, Me.—J. O. Elwell, house,
sixty feet long.

Whitman, Mass.—Robert Moir, one
house.

Essex, Mass.—L. L. Storey, conserva-
tory.

Catskill, N. Y.—V. E. Ford, conserva-
tory.

Lewiston, Me.—F. H. Peckham, house
24x71.

Erie, Pa.—S. Alfred Barr, one carnation
house 24x130.

Christmas Trees.

It is reported that Christmas trees are
already being cut in Washington county,
Maine, and the season's output from
that section will amount to 400 car
loads, with 360 bunches to a car. Each
bunch consists of from two to six trees.
The trees are sent to New York and
Boston, where they will retail for about
ten times as much as they are worth on
board the cars in Maine.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The F. R. Pierson Co., Tarrytown, N.
Y., registers new fern *Nephrolepis Pier-
soni*, a sport from the type of *Nephro-
lepis exaltata* known as the Boston fern.
The pinnae are subdivided so that each
has the appearance of the full frond in
miniature, giving a beautiful crested
effect; otherwise the plant is identical
with the Boston fern.

WM. J. STEWART, Sec'y.

American Carnation Society.

Fick & Faber, San Francisco, Cal., reg-
ister the following carnations:

Miss Louise Faber, bright pink, two
and one-half to three and one-half inches
in diameter, occasionally reaching four
inches. Flowers well formed and fringed
and on stems from two to three feet long.
A continuous bloomer.

Purity, the purest and largest white
yet introduced, flowers three to four
inches in diameter, finely fringed and
well formed. Stems from eighteen to
thirty inches long and very wiry.

ALBERT M. HERR, Sec'y.

The Ethics of Renaming Sports.

When a prize winning chrysanthemum
has established its reputation among
scores of raisers, and for a series of years,
is it right to give a name to a sport from
that variety which in no way suggests
the original name, when the bloom, the
foliage and the stalk are identical with
the original and a variation in color is
the only difference? The case in mind,
which appeals to me, is the Mrs. Jerome
Jones, raised by the father of the lady for
whom it is named, the late Henry
A. Gane, in 1891, several recent sports of
which have been given names which are
in no way suggestive of the original
prize winner or its originator. The
judgement of the officers of the Chrysan-
themum Society of America or other
experts would be appreciated.

JEROME JONES.

The S. A. F. Annual Report.

The report of the proceedings of the
sixteenth annual convention of the
Society of American Florists, held at
New York city last August, mention of
the receipt of which was made in our
issue of last week, is an interesting
volume of 175 pages. As usual it con-
tains a portrait of the president-elect but
it this case, the engravers in the process
of retouching the original photograph
have lost something of the true expres-
sion of Mr. O'Mara's jovial face. One
can hardly say what it is, but surely
something is lacking.

The volume as usual begins with the
reports and addresses of the officers.
Among these the treasurer's report,
although already familiar to most mem-
bers will be scanned with especial inter-
est and gratification for the encouraging
increase shown. The balance in the

general fund January 1, 1898, was only
\$399.09. On January 1, 1899, this was
increased to \$850.55 and on August 15,
1900, the amount was \$1247.58. The
successful meeting at New York should
add largely to this amount and the
society should begin the next year with
a most excellent bank balance.

The life membership fund of \$807.23 is
an additional nest egg and is the first
step on the way to a permanent endow-
ment fund. The action of the committee
in transferring to this fund the interest
receipts is to be commended. A very full
report of papers and discussions follows.
In passing, we can not resist noting the
broad gauged charity shown in admit-
ting the address on the carnation meet-
ing in 1901 (entitled "Come to Baltimore"
in the programme) which again leads
back to the giving up of a session at
Detroit to the rose society. There is
hardly a parallel to these two gracious
acts to be found. The minority report of
the Sander cup judges and the protest of
Siebrecht & Son on the award are very
interesting and instructive. There are
only thirteen reports of state vice-presi-
dents. What is the matter with the other
gentlemen occupying these honorable
positions? It is to be hoped that another
year each will awaken to a sense of his
duties and that there will be no reports
missing and thus one of the most valu-
able features of the annual volume be
established.

The report of the committee on fertil-
izers contains much of interest and
should be carefully read by every
grower. Much careful work on the part
of the secretary is shown by the list of
plant introductions of the year and this
list together with the list of new names
registered will cause the volume to be
consulted frequently. Taken all in all the
volume answers fully and completely
that question so often asked by the
gumblers: What do I get out of the
society? It shows that every member
gets his money's worth many times over.

To Reduce Cost of Fuel.

The *Daily Commercial*, of Bangor, Me.,
in its issue of November 17, devotes con-
siderable space to an appliance designed
by Carl Beers, the well known florist of
that city, by which the price of his fuel
is reduced to fifty cents a ton. The
inventor uses coal dust, with a chimney
seventy feet high, in an offset of which,
forty feet from the base, an aluminum
fan is revolved at a rapid rate by the
surplus heat within the stack, thus pro-
ducing a good draught over the fires
without the energy expended on an ordi-
nary blower. Mr. Beers has also applied
for a patent on a substance which he
calls coaline, a compressed composite of
coal dust and five other ingredients the
names of which are held secret.

Chrysanthemum Society of America.

Following are the reports of the com-
mittees judging seedlings and sports:

Boston, November 17.—Nathan Smith
& Son exhibited Mrs. Elmer D. Smith,
scoring 94 points commercial scale, 87
points exhibition scale.

Mrs. Ritson, a white sport from
Vivian-Morel, reflexed, by same exhibi-
tors, scored 90 points exhibition scale.
The committee says the flowers arrived
in poor condition, but judging from the
excellence of its parent, Vivian-Morel,
they consider the sport worthy of this
score.

John N. May, exhibited Mrs. W. B. Chamberlain, which scored 88 points commercial and exhibition scales.

NEW YORK, November 17.—H. A. Molatsch, Brooklyn, N. Y., exhibited No. 19, a bright yellow, Japanese, incurved variety, which scored 87 points commercial scale.

E. G. Hill & Co., Richmond, Ind., exhibited Malcolm Lamont, crimson, reflexed, scoring 85 points commercial scale.

John N. May, Summit, N. J., exhibited Mrs. W. B. Chamberlain, light pink, reflexed, Japanese, which scored 85 points commercial scale.

PHILADELPHIA, November 17.—Miller & Son, Bracondale, Ontario, Canada, exhibited Timothy Eaton, white, Japanese, incurved, which scored commercial and exhibition scales 92 points.

E. G. Hill & Co. exhibited Malcolm Lamont, which scored 90 points commercial scale, 91 points exhibition scale.

Nathan Smith & Son, Adrian, Mich., exhibited Mrs. Elmer D. Smith, a yellow, Japanese, incurved variety, scoring 91 points commercial scale, 90 points exhibition scale.

Mrs. W. B. Chamberlain, exhibited by John N. May, scored 83 points commercial scale, 85 points exhibition scale.

No. 112, by same exhibitor, chrome-red, Japanese, reflexed, score 84 points commercial scale, 85 points exhibition scale.

Ferdinand Heck, gardener to George F. Baer, Reading, Pa., exhibited a yellow, Japanese, incurved variety, which scored 84 points commercial and exhibition scales.

CINCINNATI, November 17.—H. L. Ragan, Springfield, O., exhibited Gold Smith, a bronze-yellow sport from Pres. W. R. Smith, Japanese, reflexed, scoring 83 points commercial scale.

E. G. Hill & Co. exhibited Mary Hill, a pink incurved variety, scoring commercial scale 89 points. Malcolm Lamont, by same exhibitors, scored 85 points commercial scale.

Nathan Smith & Son exhibited Mrs. Elmer D. Smith, which scored 93 points exhibition scale.

Exhibitors should make an effort to mail to the undersigned the name of the variety or varieties legibly written which they have sent for examination to any of the committees in ample time so that they may be correctly spelled when reported to the horticultural press.

The announcement has already been made that November 24 would be the last day that the various committees at the different centers would be on hand to examine seedlings and sports. To judge late seedlings it has been the custom for the committees to meet on following Saturdays when requested. Arrangements can be made for those having late blooms to show if a letter to that effect be addressed to any of the following chairmen in good time to give them an opportunity to get their committees together:

A. H. Fewkes, chairman of Boston committee, Newton Highlands, Mass.

E. Dailedouze, chairman New York committee, Flatbush, Brooklyn, N. Y.

A. B. Cartledge, chairman Philadelphia committee, 1514 Chestnut street, Philadelphia.

James S. Wilson, chairman Chicago committee, Western Springs, Ill.

R. Witterstaetter, chairman Cincinnati committee, Sedamsville, O.

EDWIN LONSDALE, Sec'y.
Wyndmoor, Pa.

Catalogues and Cut Flower Price Lists Received.

Luther Burbank, Santa Rosa, Cal., fruits; Harlan P. Kelsey, Boston, Mass., hardy American plants, etc.; Samuel C. Moon, Morrisville, Pa., trees, plants, shrubs, etc.; Glen St. Mary Nurseries, Glen St. Mary, Fla., trees; James W. Erringer, Chicago, Ill., wagon heaters; Gurney Heater Manufacturing Company, Boston, Mass., boilers; Uberto Hillebrand, Pallanza, Italy, seeds and bulbs; F. Morel & Fils, Lyon, France, seeds, bulbs, plants, etc.; Philip Heilig, Franklin, Pa., plants; C. C. Pollworth Co., Milwaukee, Wis., cut flower pricelist; McKellar & Winterson, Chicago, Ill., cut flowers; Illinois Cut Flower Co., Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., wholesale cut flowers, seeds, bulbs and florists' supplies; E. C. Amling, Chicago, Ill., cut flowers; A. G. Prince & Co., Chicago, Ill., cut flowers and supplies; Chas. B. Stahl, Philadelphia, Pa., wholesale cut flowers and supplies.

NASHUA, N. H.—Judge C. W. Hoitt, who was elected to the State Legislature at the late election, is a candidate for the position of Speaker of the House.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2920 South Park Ave., Chicago.

SITUATION WANTED—By first-class manager and propagator; capable to take full charge and handle men. Best of references. Address V. care American Florist.

SITUATION WANTED—As working foreman; 6 1/2 years in present position; first-class propagator. References furnished. State wages. Address H. care American Florist.

SITUATION WANTED—By young men at general greenhouse work in commercial place. Eastern action preferred. References. Address ROBT. C. BENSON, Lake Roland, Md.

SITUATION WANTED—By a first-class grower of roses, carnations and general bedding plants, as foreman; age 30; 16 years' experience. Address GROWER 113, care American Florist.

SITUATION WANTED—By a practical florist; 20 years' experience in all branches; good rose and carnation grower; capable of taking full charge. Married. Address Box 50, Williams Bay, Wis.

SITUATION WANTED—As working foreman on roses and general stock; 12 years' experience in this country and 12 years in England, state wages, etc. WM KIRKHAM 598-S Sheffield Av., Chicago.

SITUATION WANTED—By competent all-around man, private, wholesale or retail; lately with M. A. Hunt Floral Co., until sold out, Nov 17th; 12 years' experience. English; 26 years old. Address WILSON TITLADY, Kokomo, Ind.

SITUATION WANTED—By a strictly first-class up-to-date grower of high grade cut flowers as foreman or to take charge of section; 15 years experience, excellent reference. None but first-class up-to-date places need apply. Address BEAUTY, care Am. Florist.

SITUATION WANTED—By young man as clerk in retail florist store; four years' experience in store and greenhouse; am good salesman and have had some experience in designing and decorating. Good references. Address S T, care Am Florist.

SITUATION WANTED—By Scotch gardener, single, age 29, 11 1/2 years' experience in the different branches of gardening. Desires position of responsibility in private garden. Can be released from present situation at convenience. Address A S O, care American Florist.

WANTED TO RENT—5,000 to 10,000 feet of glass in good condition. Address W B, care American Florist.

WANTED—Florist; single man for general greenhouse work. State wages with board. Address FH. BEU, 2780 N. 40th Ave., Chicago.

WANTED—Vegetable gardener for greenhouse and field; all year work. Address Box 141, Station 1 Des Moines, Iowa.

WANTED—A man who has had practical experience in Holland in the growing of Dutch bulbs. Address with references A S, care Am Florist.

WANTED—Reliable, competent man. Fine roses, pinks, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Boy to learn the greenhouse business, the growing of roses and carnations. In answering state age. Address JOHN L. WYLAND, De Haven, Pa.

WANTED—A competent, reliable florist for general greenhouse work. A steady position and good wages to a good man. Address ROSE LAWN GREENHOUSES, Ft. Scott, Kan.

WANTED AT ONCE—A first-class rose grower who can grow a No. 1 stock and willing to work; a steady place for the right man. References. Address WILLING TO WORK, care American Florist.

WANTED—An experienced florist and landscape gardener. Most furnish acceptable references as to competency in growing, designing, etc. Address Supt. KANSAS STATE INSANE ASYLUM, Topeka, Kan.

WANTED—A good, sober, steady man to work in a small plant. Must be willing to do any work connected with the business. State wages. A steady place to good man. Address W H. WRIGHT, Vicksburg, Miss.

WANTED AT ONCE—Married man versed in culture of roses, carnations, pinks and vegetables (under glass), to take charge of 5,000 ft. plant. Good wages and permanent position. Healthy, mild climate. J. H. HARBRELL Little Rock, Washington.

FOR SALE—225 feet 4-inch cast iron pipe, at 10c per ft. Also number of fittings; all in good condition. Address F. W. CUSTER, Pontiac, Ill.

FOR SALE OR RENT. Excellent establishment of 4000 sq. feet of glass in Chicago, stocked with carnations and miscellaneous plants; 6 room dwelling; near Ry. and electric car. Address M T, care American Florist.

FOR SALE OR RENT. Excellent establishment of 4000 sq. feet of glass in Chicago, stocked with carnations and miscellaneous plants; 6 room dwelling; near Ry. and electric car. Address M T, care American Florist.

PARTNER WANTED

With \$5000 to buy an interest and take the management of either the greenhouses or seed department of the largest seed and floral business in the South. For a bright, active man who is well up in the business this is a rare opportunity to get an interest in a well established business. Salary \$100 per month. Do not answer unless you mean business. For particulars apply to PARTNER, care American Florist, Chicago.

FOR SALE

Modern improved greenhouse plant of seven houses (17,000 feet of glass), well stocked and in full operation, together with highly improved fertile farm of 52 acres, suitable for truck or general farming. Modern dwelling, with barn, ice house, stock sheds and out houses. Easily accessible to Cincinnati. Well established wholesale and retail trade. Address SUBURBAN, care American Florist.

FOR SALE.

Two second-hand tubular boilers, 60 H. P. each, complete with fronts and all fixtures. Inquire of FRAZER & JONES CO., Syracuse, N. Y.

FOR SALE.

Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 6 of carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,
233 Mercer St. NEW YORK.

Wholesale Store, Minneapolis, Minn.

Sell our own-grown Roses, Beautias and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. **BRANT & NOE.**
Minneapolis, Minn.

FIRST QUALITY LEUCOTHOE SPRAYS,
delivered by express for \$3.00 per thousand.
—CASH WITH ORDER.—

R. A. LEE, EVERGREEN, ALA.

Wholesale Flower Markets

CINCINNATI, Nov. 22.

Roses, Beauty	15.00@25.00
" Bride	3.00@ 5.00
" Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 6.00
" Perle	3.00@ 4.00
Carnations	1.00@ 4.00
Chrysanthemums	8.00@15.00
Violets	.50@ .75
Lily of the valley	4.00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.15
Asparagus	50.00
Galax leaves	.15
Roman hyacinths	3.00
Narcissus	3.00@ 4.00

St. Louis, Nov. 22.

Roses, Bride, Bridemaid	2.00@ 5.00
" Beauty, 12 to 20 inch stems	8.00@15.00
" " long	18.00@25.00
" Perle	2.00@ 4.00
" Meteor	2.00@ 5.00
" Kaiserin	2.00@ 5.00
Carnations, common	1.00
" choice	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	1.00
Galax	per 1000 1.00
Chrysanthemums	4.00@10.00
" fancy	15.00@25.00
Violets	.50@ .75

MILWAUKEE, Nov. 22.

Roses, Beauty, long, per doz	2.00@ 3.00
" " med	1.00@ 1.50
" " short	.50@ .75
" Bride, Bridemaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	3.00@ 5.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Mums, fancy, per doz	2.00@ 3.00
" ordinary	1.00@ 1.50
Violets	.75@ 1.00
Stevia	2.00@ 3.00

PITTSBURG, Nov. 22.

Roses, Beauty, fancy	25.00@35.00
" " extra	15.00@20.00
" " No. 1	8.00@10.00
" " culls	4.00@ 6.00
" Bride, Bridemaid	3.00@10.00
" Meteor	3.00@ 8.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
" Liberty	3.00@ 6.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Violets	.50@ 1.50
Paper White narcissus	4.00
Romans	4.00
Lily of the valley	2.00@ 4.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@75.00
" Sprengerii	.30@ .75
Galax, green and bronze	per 1000 \$1.25
Dagger ferns	per 1000, 2.00
Chrysanthemums, fancy	10.00@20.00
" ordinary	4.00@ 8.00

DENVER, Nov. 22.

Roses, Beauty, select	12.50@25.00
" " ordinary	4.00@ 7.00
" Bride, Bridemaid	3.00@ 5.00
" Meteor	3.00@ 5.00
" Perle, Wootton	3.00@ 4.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00
Lily of the valley	4.00
Calla	12.50
Harrisii	12.50
Violets single	.75
" double	.50@ .75
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Ferns, per 1000	2.50
Chrysanthemums, long, per doz	1.75@2.50
" short	6.00@10.00

WHAT DO YOU THINK OF IT?



I have a large stock of first-class

CHRYSANTHEMUMS FOR THANKSGIVING.

LAVENDER QUEEN;
XENO, "Dark Pink;"
CHADWICK, "White;"
NAGOYA, "Yellow;"
WHITE BONNAFFON;
GOLDMINE, "Yellow."

Selected Blooms,
\$25 per 100.
Prices on other grades accordingly.

Send your order early, as there is liable to be a shortage.

Don't forget our **FANCY CARNATIONS** and **GREEN GOODS.** Caldwell's Wild Smilax, Asparagus, Fancy Ferns, Adiantum, etc. * * * * *

J. B. DEAMUD, 51 & 53 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

BENTHEY & CO.

F. F. BENTHEY, Manager.

Wholesale and Commission...

FLORISTS,

CONSIGNMENTS SOLICITED.

41 Randolph St., CHICAGO.

PRICES FOR THANKSGIVING

ROSES.

Am. Beauties, long	per doz. \$6.00 to \$9.00
" " medium	" 3.00 to 5.00
" " short	" 1.00 to 2.00
Brides and Maids	per 100, 6.00 to 8.00
Kaiserin, Meteors	" 6.00 to 8.00
Perles	" 4.00 to 6.00
MUMS, select	\$20 to \$25 per 100
" No. 1	12 to 18 per 100
" No. 2	6 to 10 "
VIOLETS, double	per 100, 1.25 to 2.00
" single	" 1.00 to 1.25

CARNATIONS, fancy	per 100, \$4.00 to \$5.00
" No. 1	" 3.00 to 3.50
" common	" 2.00 to 2.50
ORCHIDS, Cattleyas	per doz. 6.00
VALLEY	per 100, 4.00 to 5.00
PAPER WHITES	" 3.00 to 4.00
ROMANS	" 4.00
STEVIA	" 1.50
SMILAX	" 12.00 to 15.00
ASPARAGUS	per string, .50 to .75
ADIANTUM	per 100, 1.00
WOOD FERNS	per 1000, 1.50

HOLTON & HUNKEL CO.,
-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Street,

ALL FLOWERS IN SEASON.

PITTSBURG, PA.

ONE DOLLAR FIFTY PER 1000 FOR BRONZE GALAX LEAVES

Delivered **NOW FREE**, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for **Ten Cents.**

AMERICAN ROSE CO., Washington, D. C.

Stop Walking the Floor. You won't be disappointed if you place your orders for

SOUTHERN WILD SMILAX

With **CALDWELL THE WOODSMAN CO.,** Evergreen, Ala. or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace."
N. B. We also sell some Holly.

Those who need flowers for

...THANKSGIVING DAY...

can order of us with the assurance that whatever grade of stock they require can be obtained of us if it is to be had anywhere in Chicago. We want your order but we advise that you send it early. Stock does not promise to be plentiful. All goods billed at market rates at hour of shipment. * * * * *

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street, CHICAGO, ILL.

Long Distance 'Phone 1977 Central.

THANKSGIVING PRICE LIST.

BEAUTIES		
Extra long stem	per dozen,	\$6 00
Stems, 30 inches	.....	5.00
" 24 "	.....	4.00
" 20 "	.....	3.50
" 15 "	.....	2.50
" 12 "	.....	2.00
Short stems	.....	1.00-1.50
Brides and Maids	per 100,	5.00-8.00
Meteors and Kaiserin	.....	5.00-8.00
Perles	.....	4.00-6.00
Roses, good seconds	.....	4.00
Carnations, standard aorta	.....	2.00-3.00
Fancy sorts	.....	4.00-5.00
Mums, select	per doz.,	2.00-3.00
" medium	per 100,	8.00-12.00
Alyssum	.....	.25
Valley	.....	4.00-5.00
Violets	.....	1.50-
Mignonette	per doz.	.35-.50
Asparagus	per string.	.50-
Galax, 1000, \$1; 10,000 for \$7.50	per 100,	.15
Ferns, per 1000, \$1.50	.....	.20
Leucothoe sprays	.....	.75
Adiantum	.....	.75-1.00
Smilax	per dozen,	1.50-2.00
Wild Smilax, parlor brand	per case,	3.25
" medium	.....	4.25
" large	.....	5.50

WEILAND-AND-RISCH

59 WABASH AVE., CHICAGO.

THANKSGIVING PRICE LIST.

American Beauty,	Per dozen.	ROSES.	Per 100
36-in. stems	.....\$6.00	Maids	6.00 to 8.00
30 "	.....5.00	Brides	6.00 to 8.00
24 "	.....4.00	Meteors	6.00 to 8.00
20 "	.....3.50	Kaiserin	6.00 to 8.00
15 "	.....3.00	Golden Gate	8.00 to 10.00
12 "	.....2.50	Perles	5.00 to 6.00
short stems	\$1.00 to 1.50	Violets	per 100, \$1.50 to 2.00
Carnations, standards	per 100, 3.00	Valley	4.00 to 5.00
fancy, per 100, \$4 to 5.00	.....	Asparagus	per string, 50c and up.
Chrysanthemums, select, per doz., 3.00	.....	Ferns	per 1000, \$1.50
medium, " 2.50	.....	Galax	..... 1.00
Wild Smilax, Parlor brand, per case, \$3.25; medium, \$4.25; large, \$5.50	.....	Leuco hoe Sprays	per 100, .75
	.....	Smilax	per doz., \$1.50 to 2.00

ABOVE PRICES TAKE EFFECT NOVEMBER 26 (MONDAY).

WHOLESALE FLORISTS

WE SOLICIT A TRIAL ORDER...

ALL TELEGRAPH ORDERS GIVEN CAREFUL & IMMEDIATE ATTENTION

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO, Nov. 23.

THANKSGIVING PRICES.		
Roses, Beauty, extra long stems	6.00	
" " 36 inch	5.00	
" " 30 "	4.00	
" " 24 "	3.50	
" " 18 "	2.50	
" " 15 "	2.00	
" " 12 "	1.50	
" " short	1.00@1.25	
" Bride, Bridesmaid	5.00@ 8.00	
" Meteor	5.00@ 8.00	
" Perle	4.00@ 6.00	
" Golden Gate	6.00@10.00	
" Kaiserin	5.00@ 8.00	
Carnations	2.00@ 2.50	
" fancy	3.00@ 5.00	
Chrysanthemums	5.00@25.00	
Violets	1.00@ 2.00	
Lily of the valley	5.00	
Adiantum	.50@ 1.00	
Common ferns	per 1,000 1.50	
Smilax	per dozen 2.00@ 3.00	.20
Asparagus	per dozen 8.00@ 8.00	

A. H. POEHLMANN,

Wholesale Grower of Cut Flowers

All telegraph and telephone orders given prompt attention.

55 Wabash Avenue, CHICAGO.

Do not hide your light under a bushel. Tell the people what you have for sale.

J. A. BUDLONG,

WHOLESALE GROWER OF

Cut Flowers

ROSES AND CARNATIONS

A SPECIALTY.

37-39 Randolph St., CHICAGO, ILL.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 and 78 Wabash Avenue, CHICAGO. Telephone Main 3208.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street,PHILADELPHIA, PA.
 AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. | Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES.
 Block Letters, \$2 per 100. Script Letters, \$4 per 100. | Acknowledged by all florists the best in use. Special prices for doz. lots.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, M'RS AND IMPORTERS OF
 Always on hand: CARNATIONS, BRIDESMAIDS, BRIDES. **FLORISTS' SUPPLIES**
N. J. McCarthy
FLORISTS' VASES.
 Horticultural Auctioneers.
 84 Hawley St., BOSTON, MASS.

Try The New Flower Commission House. WATERBURY & CO.,

48 West 30th Street, New York City.
 CORRESPONDENCE WITH CROWERS SOLICITED.

Frank M. Ellis, WHOLESALE FLORIST,
 1402 Pine Street, ST. LOUIS, MO.
 CONSIGNMENTS SOLICITED.

Wholesale Flower Markets

PHILADELPHIA, NOV. 21.

Roses, Tea.....	2.00@ 4.00
" extra.....	6.00@10.00
" Beauty, extra.....	20.00@30.00
" firsts.....	8.00@15.00
Carnations.....	1.00@ 1.50
" fancy.....	2.00
Lily of the valley.....	3.00@ 5.00
Chrysanthemums.....	5.00@20.00
Violets, single.....	.25@ .75
" double.....	.50@ 1.00
Asparagus.....	35.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00

Woodroffe & Bernheimer, Wholesale Florists
 1604 LUDLOW STREET, PHILADELPHIA.
 'Phone 1-42-69-A.
 Consignments Solicited.
 Please mention the American Florist when writing.

Geo. A. Sutherland, Boston Flowers.
 WHOLESALE DEPOT FOR
All Florists' Supplies,
 67 BROMFIELD ST., BOSTON, MASS.
 Price lists mailed.

BOSTON, NOV. 21.

Roses, Beauty, extra.....	20.00@40.00
" medium.....	10.00@15.00
" culls.....	3.00@ 6.00
" Bride, Bridesmaid, Meteor.....	2.00@ 4.00
" extra.....	6.00@ 8.00
" Kaiserin, Carnot.....	4.00@ 8.00
" Liberty.....	6.00@ 20.00
Carnations.....	.50@ 2.00
Lily of the valley.....	2.00@ 4.00
Chrysanthemums.....	4.00@20.00
Violets.....	.50@ 1.00
Cattleyas.....	30.00@40.00
Adiantum.....	.50@ 1.00
Smilax.....	8.00@12.00
Asparagus.....	50.00
" Sprengerii, .20@ .25 per bunch	

LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS, PHILADELPHIA, PA.
 LONG DISTANCE 'PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

JNO. H. DUNLOP, CHOICE Cut Flowers
 All orders receive most careful attention.
 TORONTO, ONT., CANADA.
 Six pr'zns American Rose Society, New York City.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance 'Phone 1-41-28 D.
 Consignments of Roses, Carnations, Violets solicited.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

BUFFALO, NOV. 22.

Roses, Beauty.....	10.00@30.00
" Bride, Bridesmaid, Meteor.....	3.00@ 7.00
" Kaiserin.....	6.00@ 7.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Asparagus.....	50.00@75.00
Chrysanthemums.....	10.00@20.00
Violets.....	.40@ 1.00

CHAS. B. STAHL Wholesale Florist,
 17 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET, ST. LOUIS, MO.
 A complete line of Wire Designs.

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

...GEO. M. KELLOGG... Largest Grower of... in the West. Cut Flowers
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO.
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE 'PHONE AT EITHER PLACE

The Cincinnati Cut Flower Co., WHOLESALE FLORISTS.
 416 Walnut St., CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders.

JOHN B. FERGUSON, Wholesale Florist,
 NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.
 Consignments of Roses, Carnations and Violets Solicited.
 Please mention the American Florist when writing.

I Have Room for a Few More Regular Consignors of Good Roses. ❀ ❀
A. H. LANGJAHR, 19 Boerum Place, BROOKLYN, N. Y.
 OVER 150 FLOWER STORES IN BROOKLYN. MONEY SURE. TEN YEARS ESTABLISHED.

TOP GRADE Carnations

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.

Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2066 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Telephone 2200
Madison Square.

57 W. 28th. St., NEW YORK CITY.

...LIBERTY, BEAUTY AND OTHER CHOICE STOCK...

BEST IN THE COUNTRY.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets Carnations.

GROWERS and BUYERS make a note of this. It
will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 551 Madison Square.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cut Flower Exchange.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.

Rosa, Violet and Carnation Growers,
Consign to

M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Nov 21.

Roses, Beauty, select.....	15.00@35.00
" " medium.....	6.00@12.00
" " culls.....	3.00@ 5.00
" Bridesmaid, Bride, Meteor	2.00@ 4.00
" " select.....	6.00@ 8.00
Carnations.....	.50@ 1.00
" " fancy.....	3.00@ 5.00
Lily of the valley.....	2.00@ 4.00
Cattleyas.....	40.00@50.00
Dendrobium formosum.....	20.00@25.00
Chrysanthemums.....	2.00@ 6.00
" " selected blooms.....	12.00@20.00
" " finest.....	35.00@40.00
Smilax.....	10.00@12.00
Asparagus.....	25.00@40.00
" Sprengerii, per doz. bun.	.75@1.00
Adiantum.....	.50@ 1.00
Violets.....	1.00@ 1.75
" " special.....	2.00@ 2.50
Paper White narcissus.....	2.00@3.00
Gardenias.....	10.00@12.00

HEADQUARTERS OF THE HUSTLER...
CHAS. MILLANG,
WHOLESALE

Commission Florist,
50 West 29th St., NEW YORK.
Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.
GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.

ALEX. J. GUTTMAN,
Wholesale Commission Florist,
52 W. 29th Street. NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th.

NEW YORK.

CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFOED, Violets

...Wholesale...
Commission Dealer In

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS. ...Wholesale Florists

111 West 30th Street, NEW YORK.

READY FOR VIOLET'S. Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT, Wholesale Commission Florist and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street, NEW YORK.
Telephone 1438 Madison Square.
Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates

M. A. HART,
44 W. 29th St., NEW YORK CITY.

You Can Make Money
By Dealing With

J. K. ALLEN,

The Busiest Wholesaler
in New York.

Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq.

106 West 28th Street.

Season Open

EDW. C. HORAN,

Special in
Roses:

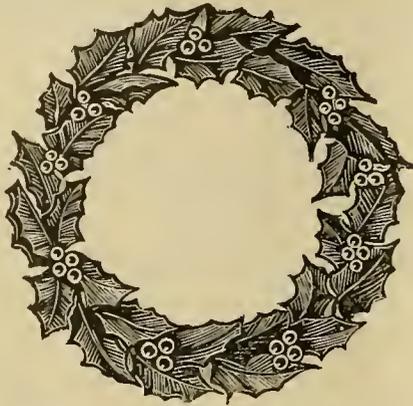
Violets
'Mums
Gardenias

Tel. 421
Madison Square,

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

Liberty, Pres. Carnot,
Kaiserin, Meteor,
Bon Silene.



MCKELLAR & W

Headquarters for Xmas

PLACE YOUR ORDER WITH US

We handle a complete line of all
CUT FLOWERS AND SUPPLIES.

Fresh stock of the following just received:

Immortelles.
 Large Bunches, Fancy Colored, Scarlet, Purple,
 Blue, Green, Pink, White
 Per bunch, 25c.....per doz., \$2.50
 Yellow (natural color).....per bunch, .20
per doz., 2.25

Cape Flowers.
 Red, Pink, Blue, Lavender, Purple, Yellow, Green,
 Colored.....per lb., \$1.50
 White....." 1.00

Green Sheet Moss.
 Per barrel.....\$3.00

French Green Moss. Imported.
 Large packages, per pkg., 10c.....per doz., \$1.00

French Green Moss Wreaths.
 10-inch.....per doz., \$1.00
 12-inch....." 1.25
 14-inch....." 1.50

Cycas Leaves, Preserved.
 Fine Stock.
 24 to 30-inch.....per doz., \$2.00
 30 to 36 inch....." 2.50
 36 to 40-inch....." 3.00
 40 to 44-inch....." 4.00

Rattan.
 For Winding Holly and Green Wreaths.
 Per lb., 20c.....10 lbs., \$1.85
 Original bundle, 55 lbs....." 8.25

Christmas Bell Frames.
 For filling w.th Immortelles and Cape Flowers.
 5-inch.....per doz., \$.40
 6-inch....." .55
 8-inch....." .75

Wire (Annealed).
 No. 24, per lb., 10c.....per stone, \$.85
 No. 26, " 12c....." .95
 No. 36, " 20c....." 1.75

Wire Rings. To Wind Wreaths on.
 10-inch.....per 100, \$.40 Per 1000, \$3.50
 12-inch....." .50 " 4.50
 14 inch....." .60 " 5.50

Pampas Plumes. Select Stock.
 White, per doz., 50c.....per 100, \$3.50
 Colored, per doz., \$1.00....." 7.00

Cut Flower Prices for Thanksgiving. To take effect Monday, 26th.

Roses, Am. Beauties, select, per doz., \$4.00 to \$6.00
 " " medium, " 2.00 to 3.00
 " " short, " 1.00 to 1.50
 " Meteors, Liberty.....per 100, 5.00 to 8.00
 " Brides, Bridesmaid....." 5.00 to 8.00
 " Perles, LaFrance....." 4.00 to 6.00
 " Our selection....." 5.00 to 6.00
 Carnations, extra select....." 3.00 to 4.00
 " good quality....." 2.00
 " our selection....." 1.50
 Chrysanthemums, extra select....." 20.00 to 25.00
 " good qual. " 10.00 to 15.00
 " short stems....." 5.00 to 8.00
 Orchids, Cattleyas, select.....per doz., 6.00
 " Cypripediums, sel., " 1.50 to 2.50
 All Orchids very scarce.

Orchids, aspd. sprays, etc....per box, \$5.00 to \$25.00
 Violets, extra select, double ..per 100, 2.00
 " single....." 1.00 to 1.50
 Valley, extra select....." 5.00
 Mignonette....." 3.00 to 5.00
 Marguerites....." .60 to 1.00
 Paper Whites....." 4.00 to 5.00
 Romans....." 4.00 to 5.00

DECORATIVE STOCK.

Ferns, Adiantum.....per 100, \$.50 to \$1.00
 " common fancy....." .20
 " " ".....per 1000, 1.50
 Ivy Leaves, fancy.....per 100, 50c " 4.00
 Galax Leaves, fancy....." 15c " 1.25
 Leucothoe Sprays....." 75c " 6.00
 Smilax, extra select.....per doz., 2.00 to 3.00
 " choice ordinary.....per 100, 12.50 to 15.00
 Asparagus Plumosus, select strings,
 per doz., 6.00 to 8.00
 Asparagus Plumosus, sprays, per bunch, 50c to .75
 " Sprengerii, per doz sprays...25c to .75
 Wild Smilax, No. 1 contains 15 lbs., per case, 2.50
 " No. 2 " 20 lbs., " 2.50
 " No. 3 " 25 lbs., " 3.00
 " No. 4 " 35 lbs., " 4.00
 " No. 5 " 40 lbs., " 5.00
 " No. 6 " 50 lbs., " 6.00

Poinsettias for Christmas.

We control the largest supply of this most popular Christmas flower and are now booking orders at the following prices, for December delivery:
 Extra select, longest stems, largest flowers.....per doz., \$4.00 to \$5.00
 Extra select, fancy stock....." 3.00 to 3.50
 Good grade....." 2.00 to 2.50
 Ordinary and smaller flowers....." 1.50
 Extra select, fancy stock.....per 100, 25.00

Order now and secure finest stock at right prices. You cannot afford to be without Poinsettias for Christmas trade.

We Handle Everything for Florists



Lycopodium

ters on this article is going to be a great market changes. Write or telegraph

Bouquet G

green-winders, and by others. We may but for the general Light Wreath Medium Ex. Heavy

Thanksgiv

Some of the colors Holly-Berry, Lavender Pink, Violet, Black your order now. 20% higher prices. 90c; No. 16, \$1.10; quoted are for ten

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Will have a limited quantity of Poinsettias for Thanksgiving.



PERSON

45=47=49 Wabash Ave.

...CHICAGO...

oliday Decorative Stock.

R THANKSGIVING.



HOLLY AND GREEN

We control the entire crop of some of the largest shippers of Holly, Green, Mistletoe, Etc., in the country, and are in a position to offer our customers the best that the market affords at the lowest prices. We book orders throughout the entire year for this stock, for December delivery, and parties entrusting their advance orders with us will be protected both on quality of goods and prices. We will guarantee to meet the prices of any reputable house. Please write us for our special quotations whenever you are ready to place order.

Select Delaware Holly We can supply Holly in short branches for making wreaths, or in long branches for selling loose. Our cases are all well filled, stock well berried. Per case, \$4 50 5 cases for \$20.00. 10 cases for \$37.50. Write for quotations on larger quantities and car load lots.

Best Quality Southern Holly For decorative work and ordinary use this Holly will be found very desirable and a big money saver. Per case, \$4. 5 cases for \$17.50. 10 cases for \$30. Write for quotations on larger quantities and car load lots.

Best Made Holly Wreaths Our Wreaths are all made by experts and of selected Holly. Wreaths for special occasions made to order.

10-inch, per dozen, \$1.00; Per 100, \$ 7.
12-inch, " 1.50; " 10.
14-inch, " 2.00; " 15.

Select Mistletoe Carefully packed. By express only. Mistletoe being a very delicate article, our responsibility ceases after delivery to Express Company. Per lb, 20c. Per 10 lbs., \$1.80. Per barrel (about 25 lbs.), \$4.

quet Green We are headquar-
sh picked. Indications are that there
article. Prices quoted are subject to
s., \$6. Per 5 crates, 500 lbs.. \$28.
per quantities.

Best Green Wreaths Larger wreaths for special occasions made to order.

10-inch.....per dozen, \$1.00; per 100, \$ 7.00
12-inch..... " 1.50; " 10.00
14-inch..... " 2.00; " 15.00

reathing Our Wreathing is all made by experienced with the job-lot stock usually offered wreathing in order to satisfy all classes, commend the medium grade.
\$3.00; per 1000 yds., \$30.00
3.50; " " 35.00
5.00; " " 45.00

Christmas Trees We can furnish Xmas Trees in all sizes, from the smallest to largest Church Trees. Prices range from \$10 to \$50 per 100. Special large Trees from \$1 to \$5 each.

Xmas Ribbons for florists. American Beauty, Bridesmaid, Meteor, Purple, Green, Yellow, Orange, Lilac, t shades of leading colors. Send us this quality of Ribbons for less than 45c; No. 7, 60c; No. 9, 75c; No. 12, 40, \$1.75; No. 60, \$2.00. The prices

Southern Needle Pines Per doz., \$1.50 to \$3. Per 100, \$10 to \$20, according to size.

Palmetto Leaves, Palm Crowns, Ilex-Red Berry Branches and all such stock at bottom prices.



THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
ALBERT McCULLOUGH, Pres.; F. W. BOLIGANO,
Vice-Pres.; S. F. WILLARD Wethersfield, Conn.,
Sec'y and Treas.

WARDWELL'S kidney wax bean seems to be one of the scarce varieties.

W. ATLEE BURPEE & Co., of Philadelphia, catalogue four new Cupid sweet peas for distribution next year.

JOSEPH F. DICKMAN was recently elected democratic sheriff of St. Louis county by a majority of over 6,500.

C. P. BRASLAN has about finished winning his onion seed at San Jose and will soon start east, expecting to be in Minneapolis for Christmas.

THE seed business at Tampa, Fla., is now in the hands of Crenshaw Bros., they having purchased the business of the Sharpe-Knight Company.

BURNETT LANDRETH has addressed an open letter to the Wholesale Seedsmen's League which contains much food for thought. The letter deserves wide publicity.

We are in receipt of copy of proposals for supplying seeds to U. S. Department of Agriculture during the fiscal year ending June 30, 1902. The items are practically the same as last year. Bids must be received at the department not later than December 12, 1900.

PRAIRIE DU CHIEN, WIS.—Robt. Gugler reports that business here has improved wonderfully in the past year in all lines.

MORRISON, ILL.—Davis Brothers have their place in fine shape, with excellent stock, and are doing a good business, both wholesale and retail.

GALT, ONT.—Arthur J. Young, late of Toronto, Ont., has assumed the McKinzie Street Greenhouses and is building up a good business. He is an experienced and careful florist and a specialist in chrysanthemums.

HARTFORD, CONN.—A meeting of ten or twelve of the local florists was held at the office of John Coombs on the evening of November 12, for the purpose of forming a florists' club. The next meeting will be held in December.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Sable, Alfalfa, Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

Please mention the American Florist when writing.

CHOICE GREEN AND BRONZE GALAX,

New Crop. Price 60c per 1000. Postage Prepaid. Small Orders a Specialty. Address

H. H. HILL, VICTORIA, Macon Co. N. C. Please mention the American Florist when writing.

JAPAN LILIUM LONGIFLORUM

130 cases 7 to 9 \$30.00 per 1000 bulbs.

WINDSOR FLOWER SEED CO., 2 Milwaukee, Ave., DETROIT, MICH.

Please mention the American Florist when writing.

CHRYSANTHEMUM Col. D. Appleton

This variety, which we introduced last spring, has proved to be a prize-winner in every respect, and is undoubtedly the finest yellow chrysanthemum grown today, either for commercial purposes or for exhibition. If you failed to secure a stock of it last spring, let us book your order at once, while you think of it, for a stock of this for next year. This is not a variety that can only be grown by experts, but it is one of the healthiest growers and the most easily grown of all the varieties. It is a wonderfully healthy grower, with the most perfect foliage, and can be grown to perfection under ordinary culture; it is as easily grown as any variety that we know of. It has a magnificent flower of large size, and meets all the requirements of a commercial and exhibition sort. Let us book your order at once for spring delivery. We can furnish fine plants of the true stock. Plants ready February 1, 1901. Price \$8.00 per 100.

LILY OF THE VALLEY has now arrived, and we have filled all orders in hand and have a small surplus. Advances from Europe are to the effect that the crop runs very much shorter than expected and that prices have advanced, and it is doubtful if all orders will be filled in full. If you have not already secured your supplies we would advise you to place your order without delay.

We offer extra quality three-year-old German pips, first-class quality—\$22.50 per case 2500 pips; in smaller quantities, \$10.00 per thousand. Our Pierson's Premier is a fine selected Valley for those who want a superior article at a moderate price. This is a grade that will sell largely. \$27.50 per case, 2500 pips; in smaller quantities, \$12.50 per thousand. Pierson's Perfection, an extra selected grade for those who desire the very finest Valley obtainable, and a grade that should be used for very early forcing. No better Valley can be supplied than this grade. It will produce the largest spikes, with the greatest number of bells, and will give the very largest percentage of first-class flowers; can be forced earlier than any other quality. \$32.50 per case 2500 pips; in smaller quantities, \$15.00 per thousand. We are also in receipt of our importations of

SPIRAEA. Stock is in fine shape. We have a small surplus, and offer it as long as unsold at the following prices:

- Extra fine, strong clumps especially grown for forcing,
- JAPONICA.....\$8.00 per case 250 clumps; less quantities, \$4.00 per 100.
- COMPACTA MULTIFLORA..... 9.00 per case 250 clumps; less quantities, 4.50 per 100.
- ASTILBOIDES FLORIBUNDA.... 9.00 per case 250 clumps; less quantities, 4.50 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Please mention the American Florist when writing.

Bulb Prices that will interest you.

- Lilium Auratum, 7 to 9, at \$4.00 per 100.
- Lilium Rubrum, 7 to 9, at 4.00 per 100.
- Lilium Album, 7 to 9 at 5.00 per 100.

Superflee Single Mixed TULIPS, per 100, 75c; per 1000, \$8.50. French White Roman Hyacinths 12-15 cent., \$1.40 per 100; \$13.00 per 1000. Paper White Grandiflora Narcissus, 60c per 100, \$5.00 per 1000. Freesia Refracta Alba, 40c per 100, \$3.00 per 1000. Chinese Sacred Lilies, per basket (30 bulbs), \$1.25; per mat (120 bulbs), \$1.75. Write for Prices on SWEET PEAS for forcing.

JOHNSON & STOKES, Seedsmen, - - 217-219 Market Street, PHILADELPHIA, PA.

BULBS! BULBS! BULBS! White Romans, 12-15, at \$1.60 per 100. Double Nosed Von Sion (large) \$2.00 per 100. Paper Whites, large size, @ \$1.00 per 100. Harrisii, 5-7, at \$5.00 per 100; 7-9 at \$10.00. Lilium Longiflorum, large flowering, 7-9, at \$7.00 per 100. Special prices on Dutch Hyacinths and Tulips.

THE VAIL SEED CO., Indianapolis, Ind.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

FOR THE HOLIDAYS

TO ARRIVE SOON
Japanese Fern Balls....

You will find a ready
...sale for them.

PRICES UPON APPLICATION.

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

PALM FIBRE....

Large consignment just received.
Price on application.

SUZUKI & IIDA, 11 Barclay St., New York.

WHERE are you going to ? Our stock is buy your Holly ready for shipment. Sample 10 pound box, \$1. Send for it. It's strictly fine. Caldwell The Woodsman Co., Evergreen, Ala. P. S. We also sell some Wild Smilax.

ESTABLISHED 1802

THORBURN'S SEEDS

SURPLUS AT REDUCED PRICES:

- LILIUM LONGIFLORUM, JAPAN. 1000
- 6 to 8-inches.....\$24.00
- 7 to 9 " "..... 34.00
- Whit. Italian Hyacinths, largest size..... 8.00
- Spiraea Japonica clumps..... 28.00
- " " compacta multiflora. . 40.00

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

To The Trade

THE KENNICOTT BROS. CO.

WILL have as many flowers for THANKSGIVING as any house in the West. The outlook is for stock being scarce, with possibly enough Chrysanthemums to go around.

We will do our best to fill all orders, but advise placing them at once. Prices here quoted are our best judgment on a future. Subject to change without notice.

PRICE LIST.

	Per 100.
Beauties, long.....	\$35.00 to \$50.00
" medium.....	20.00 to 25.00
" short.....	10.00 to 12.50
Brides, Maids.....	5.00 to 7.00
Meteors.....	5.00 to 7.00
Perles.....	4.00 to 6.00
Roses, our selection.....	4.00
Carnations.....	1.50 to 2.00
" named vars.....	3.00 to 4.00
Violets.....	1.25 to 1.75
Valley.....	5.00
Stevia.....	1.50 to 2.00
Yellow Daisy.....	.75 to 1.00
Adiantum.....	.75 to 1.00
Chrysanthemums.....	
Fancy, per doz.....	2.00 to 3.00
Medium, ".....	1.25 to 1.75
Common Ferns, selected, per 1000.....	2.00
Smilax.....per doz.,	\$1.25 to 1.50
Asparagus.....	6.00
Leucothoe Sprays, per 100, 75c to	1.00
Galax, Green.....per 1000,	1.50
Mahonia Leaves.....per 100,	1.00

YOURS RESPECTFULLY,

KENNICOTT BROS. CO.,
42 and 44 E. Randolph St.,
CHICAGO.

A WORD TO THE GROWERS OF CARNATIONS.

We have sold the cut of IRENE, a pink carnation, and consider it one of the best commercial sorts we have ever handled. WE ARE NOW BOOKING ORDERS FOR CUTTINGS. Place your orders NOW.

\$1.50 per doz., \$10 per 100, \$75 per 1000.

THE FINEST ILLUSTRATED CATALOGUE EVER ISSUED FOR WIRE WORK AND FLORISTS' SUPPLIES, SENT FREE UPON REQUEST.

WIETOR BROS.

51 Wabash Ave., CHICAGO.
WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY.

30-36-in. stem.....	per doz., \$5.00 to \$6.00
24 ".....	" 3.00 to 4.00
20 ".....	" 2.50 to 3.00
15 ".....	" 2.00
12 ".....	" 1.50
8 ".....	" 1.00

METEOR.....	per 100, \$6.00 to \$8.00
BRIDESMAID.....	" 6.00 to 8.00
BRIDE.....	" 6.00 to 8.00
PERLE.....	" 4.00 to 6.00
CARNATIONS.....	" 3.00 to 4.00

Quotations subject to change without notice. All other stock at lowest market prices.

Carnation Blooms.

65,000 PLANTS UNDER GLASS.

Why not buy your Carnation Blooms direct from grower and get good fresh stock. We have them in large quantities of all the leading commercial varieties, including G. H. Crane, White Cloud, Flora Hill, Mrs. Bradt, Eldorado, Madam Chapman, Maceo, Daybreak, McGowan and others. Also have 20,000 Violet Plants and picking large quantities daily. Write me your wants and get prices before you buy.

Address CHAS. CHADWICK, Grand Rapids, Mich. Lock Box 11.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, FLORISTS
ROYAL EXOTIC NURSERY,

TELEGRAMS. Onslow Crescent. South Kensington,
FLOSCULO, LONDON. LONDON, ENGLAND.

Please mention the American Florist when writing

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,

CHICAGO.

Grape Vines

Descriptive and Price List free.

Currents, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true. T. S. HUBBARD CO., FREDONIA, N. Y.

CUT FLOWERS.

ROSES CARNATIONS and CHRYSANTHEMUMS, regular or special supply. First-class stock at lowest wholesale prices.

W. H. CULLETT & SONS, Lincoln, Ill.
Please mention the American Florist when writing.



FANCY

DAGGER

HARDY CUT FERNS

In 1000 lots, 75c per M. Discount on larger orders.

Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc. etc.

L. B. BRAGUE, Hinsdale, Mass.

40,000 American Filbert

(Corylus Americana.)

Hazelnut, nice collected plants, 3 to 5 feet, \$1.00 per 100; \$6.00 per 1000; 4 to 7 feet, \$1.25 per 100; \$8.00 per 1000.

White Flowering Dogwood, Red Ozier Dogwood, Tulip Poplar, Sweet Gum, Redbud, Common Elder.

All nice collected stuff, same sizes and prices for immediate orders. Well packed, boxed, f. o. b. at above prices.

Send for my trade list of Tree and Shrub Seeds.

J. H. H. BOYD, Gage, Sequatchie Co., Tenn.

1/2 MILLION 1/2 Flowering Shrubs.

Leading varieties, ranging from 1 to 3 feet in height and 1 to 4 years in age. Adapted to all locations.

50,000 LARGE FLOWERING SHRUBS, from 4 to 7-ft., bushy, symmetrical, fine and thrifty. Excellent for new places where immediate effect is desired.

BARGAINS in these by the quantity, as laod must be cleared.

THE WM. H. MOON CO., Morrisville, Pa.
NURSERIES—30 miles from Philadelphia.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SBAOER, Rochester, N. Y., Sec'y.

The nurseries at Salem, Ore., shipped twenty-five cars of stock this season, mostly to adjacent states.

J. H. H. Boyd reports that the crop of Tennessee tree seeds is generally short this year. He has orders on for several hundred thousand forest seedlings.

KANSAS CITY has let contracts for planting 1,500 street trees this fall and will plant 9,000 more in the spring. City Forester James Pigg reports that the present contracts range from \$1.83 to \$2.44 per tree.

Word comes from Berkeley, Cal., that Prof. L. H. Bailey, of Cornell University, has accepted an invitation to join the faculty of the next summer school at the University of California, where he will lecture on horticulture.

A NEW orange has been produced which will probably prove of great value to California, inasmuch as its early maturity will prolong the orange season. This new variety was grown from seed by Hiram Smith, of Redlands, Cal., and fruited four years ago. Close observations show that it is fully equal to the navels in quality and ripens from forty to sixty days earlier. Like the navels it is practically seedless.

Rambling Jottings on the Clematis.

Clematises should have a good depth of loam with a fair supply of well decomposed manure. In hot, dry weather a very good method of watering is to bore, with a post auger, four or five holes eighteen inches deep; fill these with manure and old turf into which pour the water, enough to permeate the soil containing the roots. Allowing the surface of the ground to remain dry is a great advantage as it prevents rapid evaporation and gives nutriment easily assimilated when the process of growth is most active. The clematis is not a deep rooter by nature. Its roots are inclined to spread out like a spiders' web just below the surface and it evidently requires more air than the general average of plants; for this reason constant soaking of the surface, causing all the air to bubble out, is injurious.

C. recta, a non-climbing perennial, white, is quite valuable for cutting. It produces long, drooping sprays, resembling C. paniculata somewhat in the flowers. The stems of bloom, three feet long, are produced in abundance, keep well in water and would surely take well in our flower markets if some one were enterprising enough to grow and consign. This variety blooms long before C. paniculata shows its buds.

The varieties of the clematis commonly handled by commercial florists bloom on wood formed the same season. Therefore they may well receive their trimming this fall, when you thatch them for the winter. Simply cut out the branches that are weakest and some of the other branches down to where you can see that good, strong leaf buds have developed.

To set out a clematis requires time and patience. The roots must be spread out evenly and care taken to cover each root as though it was the only root it had. Earth must touch the roots on all sides, particularly at the terminals. To wind

up the roots into a ball or switch and cover them up is murder.

A very important matter is that of providing good, firm trellises for clematises, particularly for the young, brittle-stemmed plants. A bend or switch by wind, if it does not break the stem, very often cracks the outer bark and opens a way to various fungus diseases and perhaps insects.

Clematises are frequently killed by a tiny worm making its way into the stem just below the surface of the ground. This has been frequently noticed in C. paniculata this last summer. A sure method of destroying this insect, I believe, has not been discovered.

For winter see that the soil is well drained, not surface drained, only, but under drained, so as to be aerated; also thatch the plants with straw to prevent the bark from drying out in the sun.

The large flowered varieties are valua-

ble for decorations if grown in pots, particularly the lavender tinted varieties with six to eight petals to the flower, but they are not easily used if cut.

I do not advise laying the clematis down because it is liable to crack the bark and there is no advantage to offset this danger.

Clematis paniculata, white, and C. coccinea, scarlet, can be grown on strings very easily for cutting. C. B. W.

KANSAS CITY, Mo.—Samuel Murray had a chrysanthemum show in his store November 15 to 17 and found that it attracted many new faces to his place.

JACKSONVILLE, FLA.—The Florida Natural Products Company has moved to this city from Orlando. They are doing a big business in perpetuated palms and material for manufacturing the same and moved to secure better facilities.

PROSPERITY

Is the name of the superb CARNATION heretofore known as No. 666, to be disseminated March 1, 1901. For particulars apply to

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

ROOTED CUTTINGS
— OF —
Roses AND Carnations
of all the leading varieties.
Orders booked now for delivery about December 10th.....
GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

Field-Grown CARNATIONS
GEN. GOMEZ, MRS. BRADT and GLACIER, strong stock, \$8.00 per 100. PINGREE and ARGYLE, \$4.00 per 100.
ASPARAGUS SPRENGERII { 2-inch \$3.00 per 100
3-inch 4.00 per 100
3 1/4-inch 6.00 per 100
4-inch 10.00 per 100
Strong stock.

F. DORNER & SONS CO.,
LA FAYETTE, IND.

Orders booked now for
Ethel Crocker,
the best pink Carnation out. Rooted cuttings will be ready on and after Jan. 1st.
Price, \$4 per 100; \$30 per 1000.
GEO. HARRER, Morton Grove, Ills.

ORDERS NOW BOOKED FOR ROOTED CUTTINGS OF
CARNATIONS.
Chicago Carnation Co., JOLIET, ILL.

It is good business policy to mention the
...American Florist
when you write to an advertiser.

Genevieve Lord...

The greatest money getting pink Carnation ever introduced. A descendant of Wm. Scott, but it's superior in every way. A big claim; if you don't believe it, come and see it. Please note change in price of rooted cuttings for January 1st delivery and after: \$6 per 100; \$50 per 1000. Booking orders now. Delivery any time you say after January 1st, 1901.

CHRYSANTHEMUMS. Stock plants. New and old varieties. Write for prices.
H. WEBER & SONS, OAKLAND, MD.

Carnations

Rooted Cuttings, that are full of roots, at reasonable prices.
HEADQUARTERS FOR ETHEL CROCKER.
ALBERT M. HERR, Lancaster, Pa.

CARNATION PLANTS

ALL SOLD.
Ready to book your orders for Rooted Cuttings of all the leading varieties, for spring delivery. Let me quote you prices before placing your orders.
Wm. Murphy, Wholesale Carnation Grower, Sta. F, CINCINNATI, OHIO.
Please mention the American Florist when writing.

Large Elms.
25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Baby Christmas Trees

NURSERY GROWN. WELL FURNISHED.

NORWAY SPRUCE...

3 to 4 feet.....\$25.00 per 100
 4 to 5 feet..... 35.00 per 100
 5 to 5½ feet..... 40.00 per 100

Baled f. o. b. in lots of 50 or 100.

THE WM. H. MOON CO.,

Glenwood Nurseries. MORRISVILLE, PA.

'MUMS.

Stock plants from 6-inch pots or bench, ready now: Mme. Bergmann, G. S. Kalb and Gloire de Pacific, \$1.00 per dozen.

Mrs. Robinson, Yellow Mrs. Robinson, Bonnafon and other standard varieties. Send list of your wants.

CRABB & HUNTER, Grand Rapids, Mich.

Rubber Plants.

6-inch pots.....\$5.00 per doz.
 7-inch pots..... 6.00 per doz.

CHAS. A. IFFINGER, Ozone Park, L. I.

GALAX LEAVES

Red and green Galax, 45c per 1000.

Leucothoe Sprays, \$2.50 PER 1000.

Cash with first order. Seven years' experience. Special price to wholesalers.

J. N. PRITCHARD, Elk Park, N. C.

SMILAX

FINE PLANTS, out of 2-Inch pots.

\$1.50 PER 100, \$12.50 PER 1000.

J. C. Schmidt, Bristol, Pa.

Hardy Herbaceous

AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.

The Blue Hill Nursery, So. Braintree, Mass. CORRESPONDENCE SOLICITED.

PRIMROSES.

Per 100

Chinese, large flowering, 2-in. pot.....\$1.25

ASPARAGUS Sprengerii, 2-inch pots..... 2.50

" Plumosus, 2-inch pots..... 3.50

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

Violets.

A few clumps of PRINCESS OF WALES left, \$5.00 per hundred.

Acalypha Sanderi.

2½-inch.....\$3.00 per hundred.

The CONARD & JONES COMPANY, West Grove, PA.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

40,000

Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—\$35, \$50, \$75 and \$100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....\$35 per 100 14 to 16 inches in diameter.....\$50 per 100
 12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...\$5 per 100 Strong 3 in. pots...\$8 per 100
 Asparagus Sprengerii—2½ in...\$5 per 100 Asparagus Sprengerii—3 in...\$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....\$10 per 1000 Strong 4 in. pot plants.....\$15 per 100
 Strong 5 in. pot plants.....\$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
 Crimson Ramb'ers—Extra strong, with canes 3 to 5 feet long.....\$12 per 100
 \$100 per 1000.
 Hybrid Perpetual—Large assortment of best forcing varieties.....\$10 per 100
 \$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch.

A. S. MACBEAN, LAKEWOOD, N. J.

FUCHSIAS

LITTLE BEAUTY, LORD BYRON AND WHITE BEAUTY.

The popularity of the former two is well established. WHITE BEAUTY is a gem of the first order, being a strong, compact grower and a continuous all-year-round bloomer. It sells at sight.

PRICES AS FOLLOWS:

Little Beauty and Lord Byron, 2½-in. pots. \$5.00 per 100.

White Beauty, 2½-in. pots, \$10.00 per 100, \$2.00 per dozen.

Stock ready Dec. 15th and orders filled in rotation Address

S. S. SKIDELSKY,

523 Pine Street, PHILADELPHIA

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches;

Otaksa, Red Branched, Thos. Hogg,

PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Letters to our representative, MR. J. AUSTIN SHAW, may be sent until further notice, to 271 Broadway, New York City.

Jackson & Perkins Co., Newark, New York

Latania Palm Plants

Pots.	Plants to pot	Leaves	Per doz.
6-in.	1 20 to 22-in. high	6 and 7	\$ 6.00
6-in.	2 20 to 22 "	10	9.00
6-in.	3 20 to 22 "	12 to 14	12.00
7-in.	1 2 ft. ht. & diam.	7 to 8	12.00
7-in.	2 2 " "	10 to 12	15.00
7-in.	3 2 " "	12 to 16	18.00
8-in.	1 2½ " "	8 to 9	18.00
8-in.	2 2½ " "	15	20.00
8-in.	3 2½ " "	18 to 20	24.00

Ficus Elastica, 6-in. pots, 2½ ft. high, 16 to 20 leaves, \$9.00 per doz., \$65.00 per 100.

Pandanus Veitchii and Croton Plants, prices on application.

J. WM. COLFLESH, 53d & Woodlawn, W. Phila, Pa.

Please mention the American Florist.

NOW IS THE TIME

TO LAY IN YOUR SUPPLY OF FINE.....

Boston Ferns

For your holiday trade. Four and five-inch are nice sizes to buy. We have them in all sizes. Write us for prices.

GEO. A. KUHL

Grower of Roses, Carnations, etc. PEKIN, ILL.

Root Your Own Carnation Cuttings.

Not having room, we offer the following nice unrooted cuttings, or pips, until further notice:

	Per 100	Per 1000
Morning Glory, shell pink	\$2.50	\$30.00
G. H. Crane, scarlet	1.50	10.00
Peru, white	2.00	15.00
Genevieve Lord, light pink	1.50	10.00
Gold Nugget, yellow	1.50	10.00
Mrs. Bradt, variegated	1.50	10.00
America, scarlet	1.25	9.00
Mary Wood, white	1.25	9.00
White Cloud	1.25	9.00
Gen. Maceo	1.50	10.00
Mrs. Bartlett (Dorner), scarlet	2.00	15.00
Mrs. F. Joost, pink	.50	4.00

CASH OR C. O. D.

ADDRESS A. MITTING, Morris, Ill.

GERANIUM AMERICA

A Queen Among Geraniums.

"Plants not one foot high often have a dozen trusses at one time. One of the brightest, cheeriest varieties in the whole Geranium family."—Eben E. Rexford, in Vick's Magazine, May, 1900.

Strong Plants, \$8 per 100, 25 at 100 rate. Ready now.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the American Florist when writing.

We are booking orders for Rooted Cuttings of

CARNATIONS,

All the best varieties. Write us.

GEO. HANCOCK & SON, Grand Haven, Mich.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Chicago.

On Monday evening, November 19, the Chicago florists rolled three very good games against the Laurels, of Anson's League, but the best they could do was to tie one game. Following is the record:

Player	1st	2d	3d	T'l
Geo. Stollery.....	159	156	178	493
Fred. Stollery.....	159	157	152	468
P. J. Hauswirth.....	158	189	143	490
John Degan.....	169	175	155	499
Chas. Balluff.....	180	204	183	567
Total.....	825	881	811	2517
Laurels.....	825	886	832	2543

The Vaughan's Greenhouse Bowling Club is the latest in the field. Regular meetings will be held at the La Grange bowling alleys Monday evenings. Geo. C. Kittle, Western Springs, Ill., is secretary.

At West Hoboken.

The following is the record made by the North Hudson Florists' Club at West Hoboken, N. J., on November 7:

Player	1st	2d	3d	4th	Av
G. Brown.....	157	166	153	135	154
L. Hanson.....	140	166	179	114	150
M. Hanson.....	124	157	142	156	145
J. Birnie.....	126	116	150	131	131
Chas. Dietz.....	161	130	104	123	130
H. Baumann.....	112	137	149	97	124
C. Menne.....	136	115	115	127	123
O. Grundmann.....	120	116	103	169	112

The feature of last Wednesday's bowling was John Birnie's rapid crescendo. With the same percentage of increase in his score it would not have taken him long to reach the proud position of champion of the world. If John keeps on we must raise his salary. And here are the scores:

Players	1st	2d	3d	4th
Menne.....	106	132	127	129
M. Hanson.....	145	136	215	193
Kogge.....	124	137	124	120
Hillebrecht.....	114	119	169	
L. Hanson.....	130	116	147	152
Grundmann.....	96	113	117	
Tschupp.....	69	75	83	116
Baumann.....	104	117	125	127
Birnie.....		90	104	174

At St. Louis.

The bowling club met at the accustomed place and there was a good attendance, with several new faces. The club will howl every Monday evening at Fourth street, between Chestnut and Market streets. The scores were as follows:

Player	1st	2d	3d	4th	Av
C. H. Kuehn.....	219	168	178	147	178
J. J. Benke.....	155	161	166	131	151
John Young.....		118	182	142	147
F. C. Weber.....		156	152	111	140
Wm. Adels.....	123	148	105	161	134
C. C. Sanders.....	141	122	122	121	127
C. Kunz.....	143	119	101	129	123
R. J. Mohr.....		76	113	95	
K. O. Miller.....		52	135	77	88
F. Winters.....		63			63

M.

At New York.

The present alleys are "boys' play" for Theo. Lang and Willie Siebrecht. Alex. Burns and Frank Traendly would be happier and less argumentative if they could keep up alongside these cyclone rollers, and once in a while Larry Hafner gives them a cold chill. Otherwise the bowling club is happy and prosperous, with an eye fixed on Buffalo. Following are last Monday's score:

Player	1st	2d	3d
Burns.....	148	181	154
Shaw.....	114	109	131
Hafner.....	190	153	152
Siebrecht.....	152	176	162
Taylor.....	105	105	99
Lang.....	200	203	161
Traendly.....	153	138	155
Baer.....	142	126	119

With Philadelphia Gunners.

On the invitation of the Keystone Shooting League the regular monthly inanimate target tourney of the Florists' Gun Club was held on their grounds, at Holmesburg Junction, Tuesday, November 13. For several months there has been considerable agitation among the Keystone members with the view of having the Florists abandon their grounds at Wissinoming and join the Keystone League in a body. Some of the Florists do not wish to make such a move, as it would mean the disorganization of the most popular inanimate target club in the state. Their only reason for joining the Keystone League would be because their shooting-house is small and uncomfortable, especially in cold and stormy weather.

The Florists' monthly shoot calls for

twenty-five targets, unknown angles, and twenty-five at known angles, also a fifty target contest at unknown angles, for the club championship. Owing to the fact that the expert traps were not in place the club event at known and unknown angles was dispensed with. The principal event was for the club championship, which was won by John Burton, who scored 42. George Anderson finished a close second with 41. The summary follows:

Burton.....	42	Ball.....	31
Anderson.....	41	Sheeler.....	31
Bell.....	38	Dorp.....	30
Cartledge.....	37	George.....	30
Redifer.....	37	Massey.....	29
Hamil.....	36	McKarahe.....	28
Haywood.....	35	Harris.....	26
Sanford.....	33	Webster.....	25
Smith.....	32	Clarke.....	25

At Utica.

We missed our genial president, Peter Crowe, last Monday evening, but he was excusable, as he had the misfortune to have a boiler give out and was hustling to get in another before cold weather. Following is the score:

Player	1st	2d	3d	4th	Av
Baker.....	175	149	152	134	152
Rowlands.....	139	142	127	140	137
Day.....	171	127	117	129	136
Spencer.....	136	126	128	104	123
Tomey.....	145	91	117		117
H. Mathews.....	99	125	198		110
Wilcox.....	118	102	104	120	109
Murphy.....	85	118	119		108
Summers.....	119	107	100		105
Hildebrand.....	121	105	99	90	103
McLean.....	93	84	102	78	89

QUIS.



SILVER BIRCH BARK WARE.

PRICES PER DOZ.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4-in. \$1.80; 5-in. \$2.40; 6-in. \$3.00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 6x14-in. per doz. \$11; 5½x11-in. \$9; 5x8-in. \$7. References: Geo. Witthold Co., E. Wienboer, C. A. Samuelson, Chicago.

J. A. LYNN, 1442 Wrightwood Ave., CHICAGO.

TIME IS MONEY.

TO SAVE TIME AND MAKE MONEY,

Buy your Florists' Supplies of

M. RICE & CO.,

The Acknowledged Leaders.

"New" Adjustable Pot-Cover, "New" Reversible Pedestal,
 Plant Baskets, Stands, Prepared Cycas Leaves, Immortelles,
 Cape Flowers, Moss Wreaths, Our "Famous" Wheat Sheaves,
 Cords and Tassels, etc., etc.

IN FACT, HEADQUARTERS FOR THE NEEDS OF THE FLORIST.

M. RICE & CO., Importers and Manufacturers.

Catalogue for the Asking.

918 Filbert St., PHILADELPHIA, PA.

Wittbold's Offer of Choice Decorative Plants.



INSURE the safe arrival of plants customers should give route by which shipments are to be made and at the same time notify the agent at destination to place box in a warm room until consignee can be notified of its arrival. Although boxes in which plants are shipped are lined, they will not stand exposure in freezing weather and should be well wrapped in blankets if taken out in unheated wagon. The following quotations are extra good value:

Kentias==Latantias

Varieties	Size Pot	Height Inches	No. Leaves	Per Each	Per Doz.	Per 100	Per 1000
Kentia Belmoreana	2 1/4	8 to 9	3 to 4	\$ 1.50	\$12.00	\$100.00	
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25 3.00	20.00	180.00	
Kentia Belmoreana	4	14 to 16	5 to 7	.40 4.00	30.00	300.00	
Kentia Belmoreana	5	16 to 20	5 to 6	.75 7.20	60.00	600.00	
Kentia " strong	5	18 to 24	5 to 7	1.00 12.00	90.00	900.00	
Kentia Belmoreana	6	20 to 22	6 to 7	1.25 15.00	125.00		
Kentia " strong	6	26 to 28	6 to 7	1.50 18.00	180.00		
Kentia Belmoreana	7	36 to 40	6 to 7	2.25 27.00	200.00		
Kentia Forsteriana	2 1/4	8 to 9	3 to 4	1.50 12.00	100.00		
Kentia Forsteriana	3	10 to 12	4 to 5	2.00 15.00	150.00		
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25 3.00	20.00	180.00	
Kentia Forsteriana	5	20 to 24	5 to 6	.75 7.20	60.00	600.00	
Kentia " strong	5	22 to 26	5 to 6	1.00 12.00	90.00		
Kentia Forsteriana	6	28 to 30	5 to 6	1.25 15.00	125.00		
Kentia " strong	6	30 to 34	6 to 7	1.50 18.00	180.00		
Kentia Forsteriana	8	44 to 50	6	3.25 39.00	300.00		
Latania Borbonica	2 1/4	8 to 9	3 to 4	.60 5.00	40.00		
Latania Borbonica	3	12 to 15	5 to 6	1.00 8.00	75.00		
Latania Borbonica	3 1/2	12 to 15	5 to 6	.15 1.50	12.00	100.00	
Latania Borbonica	4	15 to 18	5 to 7	.25 3.00	20.00	175.00	
Latania Borbonica	5	18 to 22	6 to 7	.50 5.00	35.00	300.00	
Latania Borbonica	6	20 to 24	6 to 8	.60 6.00	50.00		
Areca Lutescens	2 1/4	5 to 6	3 plants in pot	1.00 8.00	8.00		
Areca Lutescens	3 1/2	12 to 14	3	2.00 15.00	15.00		
Areca Lutescens	4	15 to 18	3	.25 3.00	25.00		

..Asparagus..

Asparagus	Size Pot	Doz.	Per 100
Asparagus Plumosus Nanus	4-inch	\$ 1.50	\$12.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	6-inch	5.00	
Asparagus Sprengerii	8-inch	10.00	

The several sizes of Asparagus Sprengerii are especially strong and large value.

Miscellaneous.

Plant	Size Pot	Height	Leaves	Each	Doz.	Per 100
Araucaria Excelsa	4-inch	nice plants			\$.50	
Araucaria Excelsa	4 1/2-inch	nice plants			.75	
Araucaria Excelsa	5-inch	nice plants			1.00	
Ficus Elastica	6	22 to 23	12 to 14	\$.75	\$ 7.20	\$60.00
Ficus Elastica	7	24 to 28	14 to 16		10.00	75.00
Pandanus Urtis	2 1/4	6 to 8	10 to 12		1.00	8.00
Pandanus Urtis	3	8 to 10	12 to 15		2.00	15.00
Pandanus Veitchii	7	strong		2.25	27.00	
Pandanus Veitchii	8	strong		3.00	36.00	
Dracena Terminalis	3 1/2				2.00	
Dracena Terminalis	4				4.00	
Dracena Terminalis	5				6.00	
Cocos Weddeliana	3			.25	2.00	15.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50		
Phoenix Reclinata	3		4 to 6		1.50	10.00
Phoenix Canariensis	3		4 to 6		1.50	10.00
Aspidistra Lurida	4				3.00	
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00	
Corypha Gebanga	3	12	5 to 6		3.00	
Sansevieria Java Var.	2-inch	strong plants			dozen	.60
Sansevieria Java Var.	3-inch	strong plants			"	1.25
Sansevieria Java Var.	4-inch	strong plants			"	2.00
Peperomia Argyrea (Saundersii)					"	2.00
Peperomia Alata					"	2.00
Maranta Kerchovians	3 1/2-inch				"	2.00
Zingiber Officinale, Ginger Plant	4-inch				"	2.00
Zingiber Officinale	5-inch				"	3.00
Cureuligo Recurvata	4-inch				"	2.00
Cureuligo Recurvata	5-inch				"	4.00
Cyperus Alternifolius					"	1.50

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Serrulata	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtomium Falcatum	3-inch	1.00	8.00
Cyrtomium Falcatum	4-inch	1.50	10.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Bostoniensis	6-inch	6.00	
Nephrolepis Cordata Compacta	5-inch	2.00	15.00
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

NEPHROLEPIS WITTBOLDII, strong plants, ready for 3 and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place, CHICAGO, ILL.

Jardinere Ferns,

ELEGANT STOCK,
\$3.00 a Hundred - - \$25.00 a Thousand
Roses for the South,

Varieties most adapted for southern planting. Just the thing you want. Stock A1. Write for prices.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

Beautiful Ferns

DAVALLIOIDES FURCANS, BOSTONIENSIS and WASHINGTONIENSIS, from 8-in. pots, with two to four feet long fronds, at \$1.00 each; \$10 per dozen. For other choice and rare plants, see my adv., page 568 of this paper, or write for a copy.

N. STUDER, ANACOSTIA, D. C.

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St. Chicago

PANSIES

THE JENNINGS STRAIN.

Highest standard plants, finest mixed, 60 cts. per 100 by mail; \$4.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies, Lock Box 254, SOUTHPORT, CONN.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL. (N. Halsted St.)

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Field-Grown VINGA VAR. VINES

Per 100
First size, from 4 to 6 long vines to plant....\$4.00
Large size, " 7 to 10 " " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

NEXT CENTURY'S BUSINESS

can be started now by advertising in this journal. Don't delay in commencing next year's business. The best orders are placed early with advertisers in

TRY THIS PLAN.

THE AMERICAN FLORIST

Detroit.

CLUB PLANS SERIES OF PRACTICAL TRADE TALKS BY COMPETENT AUTHORITIES.

The Detroit Florists' Club has arranged for a series of essays and discussions at its meetings during the winter. The following is the programme in full:

- November 21.— "Is the Holding of Chrysanthemum Shows a Benefit to the Trade in General?" Breitmeyer, Stock, Holznaegle and Bemb.
- "Is the Growing of Exhibition Blooms Profitable to the Grower, or to the Retailer?" Carey, Klagge and Breitmeyer.
- December 5.— "What Line of Credit Should be given the Retailer by the Grower, and by the Retailer to his Customers?" Beard, Taylor, Sullivan and Flammer.
- December 19.— "Paper on House and Church Decoration. Writer to embody Estimates, etc." B. Schroeter.
- January 2.— "What has the Florists' Club done in the Past," and "What can be done in the Future for the Members?" Scribner, Flowerday, Briscoe and Dilger.
- January 16.— "Best methods of Handling Cut Flowers by the Retailer for Display, Adaptability, etc." Sullivan and Breitmeyer.
- February 6.— "Method of Handling Cut Flowers by the Grower." Taylor, Carey and Klagge.
- February 20.— "The Relations of Employer and Employee on the Employee's Standpoint." Knope, Kolbe, Reynolds and W. B. Brown.
- March 6.— "Is it Better to Grow Specials than Mixed Stock?" Dunn, Meisel, Beard and Watson.
- March 20.— "How the Retailer should Conduct his Business as told by the Grower." Holznaegle, Rackham and Taylor.
- "How the Grower should Conduct his Business as told by the Retailer." Sullivan, Taepke and Scribner.
- April 3.— "All About Easter."
- April 17.— "How I Built my Greenhouses." F. H. Beard.
- May 1.— "Talks About Orchids." Taplin and Fruck.
- May 15.— "New Carnations; and Does it Pay to Force Bulbs, and How Much?" P. Breitmeyer.
- June 5.— "Succession of Plants to keep the Greenhouse Benches Full." Pickworth, Pautka, Damerow and Plumb.

RHINELANDER, Wis.—Fred. Sorenson has retired from the florist business.

Choicest Stock, LOWEST PRICES.

- VERBENAS.** 20th Century Collection now ready The finest set of New Mammoth Verbenas in America. 25 grand sorts, strong 2-inch pot plants, \$2.00 per 100; strong rooted cuttings, 60c per 100; \$5.00 per 1000.
- COLEUS,** our champion collection, embracing the newest sorts and only those of decided merit, strong 2½-inch, \$1.50 per 100, (special).
- GERANIUMS,** strong 2-inch, mixed colors, \$1.50 per 100. Strong R. C. of Bruanti and Heteranthe, best scarlet bedders and all colors mixed, \$1.25 per 100, \$10.00 per 1000, (special). Mme. Sallerol, strong 2½-inch, \$1.50 per 100; 2-inch, \$1.25 per 100. Rose Geraniums, strong R. C., \$1.00 per 100, (special).
- NEW AGERATUMS,** Louise Bonnat, latest novelty in white, and Princess Pauline, latest blue, strong 2½-inch, \$1.50 per 100; strong R. C., 60c per 100, (special).
- ALTERNANTHERAS,** bright red, variegated and yellow, 50c per 100, \$4.00 per 1000, (special for ten days).
- NEW SALVIAS,** St. Louis and Splendens, strong 2½-inch, \$1.50 per 100; strong R. C., 75c per 100, (special).
- MARGUERITES,** New California Giant White and New Golden, strong 2½-inch, \$2.00 per 100; strong R. C., \$1.00 per 100.
- ASPARAGUS SPRENGERII,** strong 2½-in., ready for 3-inch, \$2.00 per 100, (special.)
- ROSES** strong 2½-inch Brides and Maids, \$2.00 per 100, (special).
- NEW DOUBLE FRINGED PETUNIAS.** The set we are to send out this season is a record breaker. Strong R. C. ready December 10th. Place your orders early for this collection.

CASH WITH ORDER.

South Side Floral Co., Springfield, Ill.

WHERE TO BUY HOLLY

Place your order with PULLEN. Place it now for the very best grade of bright green foliage, well berried, fresh from the swamps.

HOLLY WREATHS. Only first-class materials used—fresh green leaves plentifully wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

NURSERY STOCK. All varieties of fruit—Peach, Pear, Apple, Plum, Cherry, Apricot, Quince—every one warranted true to name. Have an extra fine block of Japanese Plum.

PLANTS. Can furnish anything you wish in plants. **GOODS ARE THE BEST. PRICES ARE LOW.**

Write for Particulars. **W. W. PULLEN, Nurseryman and Fruit Grower, MILFORD, Del.**

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A BUNYARD, - 38 WEST 28TH STREET, NEW YORK.

Laurel Wreathing

For Thanksgiving trade, in quantity, from first hands. Satisfaction guaranteed. \$3 per 100 yards; 25 yards in bundle. Cash must accompany order.

MRS. S. POPE & SON, Barnesboro, Glo. Co., N. J.

HOLLY, G. E. BROWN, Bridgeville, Del.

PACKER AND DEALER.

Orders now booked for dark green, well-berried Holly. Holly Wreaths and Laurel in small and car lots.

Stock Plants

PRIZE.... **WINNING Chrysanthemums**

The very best to date.

New Geraniums, best Bedding and Pot varieties. List of varieties and prices on application.

NATHAN SMITH & SON, Adrian, Mich.

Chrysanthemums

Stock plants MRS. ROBINSON, BONNAFFON, MODESTO and MRS. PERRIN, \$5.00 per 100.

DAVIS BROS., : Morrison, Ill.

Rooted Cuttings....

AGERATUMS

COPE'S PET, LADY ISABEL, 50c per 100.

CASH WITH ORDER.

FORT DODGE GREENHOUSE CO., H. E. Mitting, Mgr. FORT DODGE, IOWA.

500,000 VERBENAS.

60 finest named varieties, including our NEW MAMMOTH WHITE, "MRS. MCKINLEY." The finest white verbenas grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; \$5.00 per 1000. Plants, \$2.50 per 100; \$20 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

VINCA MAJOR VARIEGATA, strong field-grown clumps, 8 to 12 vines, 2 to 4 feet long, \$4.00 per 100. CASH.

H. DANN & SON, Westfield, N. Y.

Selected Wild Smilax

50 lbs. net weight, \$2.00 per case; 30 lbs net weight, \$1.50 per case.

Magnolia Foliage, very fine in decorations, same price as Wild Smilax.

Leucothoe Sprays, \$3.00 per 1000. Fresh cut Fern Leaves, \$1.00 per 1000. Write for prices on All Holly.

Cash with order from unknown correspondents

EVERGREEN FLORAL CO., Evergreen, A. d.

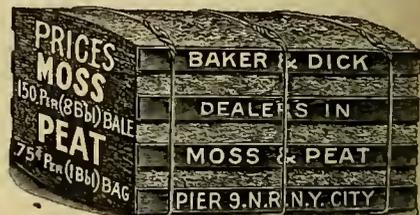
Please mention the American Florist when writing.

8,000,000 Hardy Cut Ferns

Now at 75c per 1000. Fancy and Dagger, Christmas Trees by the carload or in small lots. Spagnum Moss, 50c per bbl. Bouquet Green, \$5 per 100 Laurel Roping, 4c per yard. Cash with all orders. Orders by mail or dispatch promptly attended to.

THOMAS COLLINS,

Hinsdale, - - - - - Mass.



Please mention the American Florist when writing.

Holly! Holly!

Choicest Delaware Holly from the woods and swamps. Price the lowest. Also Wreaths and Laurel Roping. **SOUTHERN FRUIT CO., Georgetown, Del.**

HOLLY AND HOLLY WREATHS....

We are now booking orders for Thanksgiving and Christmas and can supply All Choice Delaware Holly at lowest cash prices. Orders placed early will be shipped promptly. **STROUDSBURG PAPER CO.....Milton, Del** Please mention the American Florist when writing.

FIVE REASONS Why You Should Place Your Orders for . . . AZALEAS

With Us at Once

BECAUSE You can still take advantage of the mild weather, and have the plants come through safely by freight.

BECAUSE We are the largest buyers of Azaleas in the world, and make personal inspection of the stocks before they are shipped to us, and buy for spot cash, which enables us to secure the lowest prices, and you the benefit in quality of the plants.

BECAUSE Our importations are all repacked at our own nursery. Plants that have suffered in transit, and which are not well set with buds being discarded, you receive nothing but first-class stock, which is certain to give satisfaction.

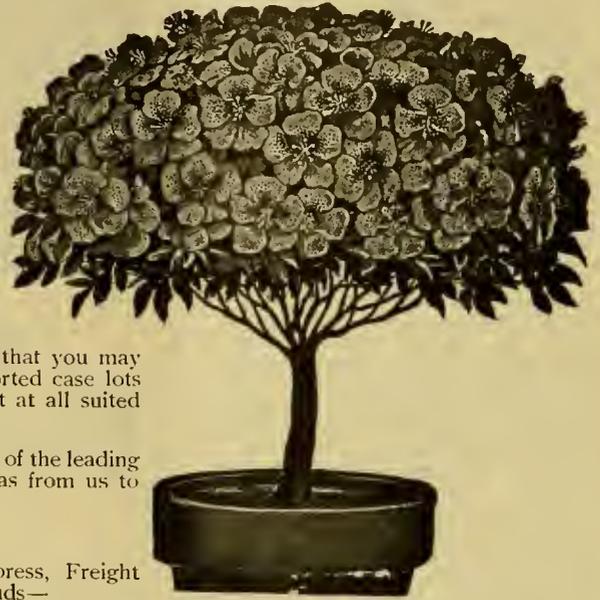
BECAUSE We can give you any special assortment of varieties that you may wish. This is a great advantage over the usual assorted case lots sent over from Belgium, which invariably contain many varieties not at all suited to the American market.

BECAUSE We wish to convince you, as we have convinced many of the leading florists of the United States, that you can buy Azaleas from us to better advantage than if you make your own importations.

...PRICES...

Include duty, packing and delivery in good condition to any Express, Freight or Steamship Line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter.....	per doz., \$ 4.50; per 100, \$ 35.00
12 to 14 " " " "	6.00 " 45.00
14 to 16 " " " "	7.50 " 55.00
16 to 18 " " " "	12.00 " 90.00
18 to 20 " " " "	25.00 " 200.00
20 to 24 " " " "	36.00 " 300.00



SPECIMEN AZALEA

REMEMBER we are Headquarters for Hardy Perennials. Our list is the most complete in this country, offering all the good, new and old varieties. Your customers are interested in this class of plants and if you have not secured a supply we shall be pleased to quote special prices on large quantities.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

GRAND OFFER, FINE PLANTS, NONE BETTER.

ARECA LUTESCENS.

Size pot.	Height.	Each.	Doz.
3-inch.....	12 inch	.20	\$2.00
4-inch.....	18 3 in pot.	.30	3 50
5-inch.....	20 to 24	.60	
6-inch.....	24 to 30	1.00	
8-inch.....	36	2.50 to 3.00	

KENTIA BELMOREANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	12 inch	\$.20	\$ 2.00	\$12.00
4-inch	5 to 6	15	.50	5.50	
5-inch	6 to 7	18	.75	8.50	
6-inch	8 to 9	20	1.00	12.00	
6-inch	8 to 10	24	Fine bushy plants, \$2.00 ea.		
6-inch	7 to 8	30	2.50 ea.		
6-inch	7 to 8	36 to 40	3.00 ea.		
7-inch	7 to 8	44 to 48	4.50 ea.		

KENTIA FORSTERIANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	9 to 10	\$.30	\$ 3.00	\$25.00
4-inch	4	15 to 18	.40	4.00	
6-inch	5	24	1.00	10.50	
6-inch	5	36	1.50	18.00	
6-inch	5 to 6	40	2.75	30.00	

LATANIA BORBONICA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	5 to 6	12 inch	\$.25	\$ 1.50	\$12.00
4-inch	5 to 7	15 to 18	.35	3.00	20.00
6-inch	6 to 8	24 to 30	1.00	12.00	
6-inch	6 to 8	30	1.50	18.00	
6-inch	7 to 8	30	2.00	bushy	

COCOS WEDDELIANA.

Size pot.	Height.	Each.	Doz.	100
4-inch.....	12 to 14	\$.25	\$2.50	\$20.00

PANDANUS VEITCHII.

Size pot.	Each.	Doz.
5-inch.....	\$.75	\$ 9.00
6-inch.....	1.00	12.00

BOSTON FERNS.

Size pot.	Each.	Doz.	100
3-inch.....	\$.20	\$ 2.00	\$15.00
4-inch.....	.35	4.00	
5-inch.....	.40	4.50	
6-inch pot or pans.....	.75	9.00	
7-inch ".....	1.00	12.00	
8-inch ".....	1.50	18.00	
9-inch ".....	2.00	24.00	

FICUS ELASTICA.

Size pot.	Height.	Each.	Doz.
3-inch.....	24 to 30	\$.50	\$6.00
6-inch.....	24 to 30	.75	9.00
8-inch.....	48	1.50 to 2.00	

REX BECONIAS.

Size pot.	Each.	Doz.	100
3-inch.....	\$.10	\$1.20	\$10.00
4-inch.....	.15	1.75	12.00

ASPARACUS SPRENCERII.

Size pot.	Each.	Doz.	100
3-inch.....	\$.60	\$ 5.00	
6-inch.....	\$.35	4.00	25.00

DRACAENA INDIVISA.

5-inch.....	\$.35	\$ 4.00	\$25.00
Dracaena Bruantii.....	1.50	18.00	
Dracaena Massangeana.....	2.00	24.00	
Dracaena Lindenii.....	1.50	18.00	
Dracaena Terminalis.....	.50	6.00	
Small Ferns, Adiantum Cuneatum, 3-in. pot	\$6.00		
Mixed Ferns, 3-in. pots, \$6.00 per hundred.			
Cyprus Aternifolius, 3 in. pots, \$5.00 per hundred.			
Hydrangea Otaksa, 6-in. pots, \$10.00 per hundred.			
Extra fine, for Easter forcing.			
Jerusalem Cherry, nicely berried, 6-in. pots, bushy, 35c each.			

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

VEGETABLE PLANTS

CABBAGE—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

SMILAX PLANTS.

Strong, bushy plants from 2 and 2½-in. pots. Must sell to make room. \$5 a 1000; 75c a 100, cash. Write for sample and price on large lots.

R. KILBOURN, CLINTON, N. Y.
Please mention the American Florist when writing.

Cyclamen

For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors, a splendid stock of plants well set with buds from 3-inch pots, \$7.00 per 100; \$65.00 per 1000. From 4-inch pots, extra fine, in bud and bloom, \$1.50 per dozen; \$12.00 per 100.

If you are in the market for CYCLAMEN SEED, let me offer you the finest strain grown, at special price, 75c per 100; \$5.00 per 1000, either separate or equally mixed. Experienced shippers employed.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Takes the place of Araucaria Excelsa; sell everywhere and everybody is pleased with it; it is a money maker. Strong st. ck. from 2-in. pots, \$3.00 per 100; or send \$1.00 for a sample of 20, and you will soon want more.
E. I. RAWLINGS, Quakertown, Pa.

Asparagus Sprengerii, 2½-inch.....	\$2.50	per 100
3 ".....	4.00	per 100
Asparagus Plumosus, 2½-inch.....	5.00	per 100
3 ".....	6.00	per 100
Small Ferns for dishes, 4 vars, 2½-in.	3.00	per 100
Carex Variegata, 2½-inch.....	4.00	per 100
Boston Ferns, 8-inch pans.....	\$15 and \$18	per doz.
" " 2½-inch.....	5.00	per 100
" " 3-inch.....	8.00	per 100
Nephrolepis Cordata Compacta, 6-inch	25.00	per 100
Geraniums—S. A. Nutt, Heteranthe, La Pilot, rooted cuttings, \$18.00 per 1000.	CASH, PLEASE.	

CARL HACENBERGER, West Mantor, O.

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$1.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,
199 Grant Avenue, JERSEY CITY, N. J.

Buffalo.

FLORISTS STILL ASKED TO DO WORK GRATIS FOR CHARITY.—PLANS FOR THE NEXT CONVENTION.—VARIOUS NOTES.

Although the florists have all signed an agreement to do no work for nothing for various charitable and other purposes, they are still called on for such contributions and recently were approached for a charity which appealed to them so strongly that they agreed to do the work for cost, but the offer was declined. It developed that one gentleman had volunteered to collect enough money to pay for eatables but no one would do as much for the flowers, even at bare cost.

There have been very heavy snows in the vicinity of Buffalo although here the fall was only enough to cover the ground. At Orchard Park Jerry Brookins lost three houses, crushed by the weight of the snow, and many other growers lost in less degree. Mr. Brookins lost one house of Bonnaffon and Golden Wedding chrysanthemums from which he had not cut a flower. His loss will probably foot up \$3,000.

Cool weather has caused a reduction in the supplies of roses, and Brides and Bridesmaids are not only poor but scarce. Chrysanthemums are plentiful and of good quality; the sale of them is fair. Violets are not in great demand as yet.

At the last meeting of the club a plan of convention work was outlined. President Kasting will shortly announce his committees. The next meeting will be held at the residence of the president, upon his invitation.

J. E. Dalgleish, of Small & Sons, Washington, D. C., was a recent visitor.

Wm. Scott has been to Elmira to judge their chrysanthemum show.

E. J. Nolan, formerly at Scott's, is now with C. D. Zimmerman. W. A.

FREMONT, NEB.—C. H. Green gave a chrysanthemum and flower show November 16 and 17 at the W. C. T. U. Temple for the benefit of that organization.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.

Asparagus Sprangeri—Strong 3 1/2-in., \$6.00 per 100.
New Rose Snowflake—The Daisy Rose, \$10 per 100.
New Lacs Fern—Fronds last a month, \$6.00 per 100.
New Russelia Multiflora—2 1/2-inch, \$4.00 per 100.

50 New Plants not to be Had Elsewhere.
Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$20.
Cannas, Dahlias, and all summer blooming bulbs.
 Electro and Cuts for Florists and Seedsmen.
A. BLANC, PHILADELPHIA, PA.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
 Orchid Growers and Importers.

ASPARAGUS
 Sprengerii and Plumosus Nanus

Extra strong stock from 2 1/2-in. pots, \$5 per 100, \$40 per 1000. (Ready for 3-inch.)

JACKSON & PERKINS CO., Newark, New York.

Edward B. Jackson,
 WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.
STAMFORD, - OONN.
 Please mention the American Florist when writing.



AZALEA INDICA

Just received a large shipment, and they turned out to be finer than ever before. The varieties are: Mme Van der Cruyssen, B. A. Alba, Simon Mardner, Veræneana, Empress of India, Emperor of Brazil, Prof. Walters, Niobe, Deutsche Perle, etc.

	Doz.	100	1000
8-10 inches diameter.....	\$3.50	\$27.50	\$250.00
9-11 " " " " " " " "	4.00	30.00	285.00
10-12 " " " " " " " "	4.50	35.00	325.00
12-14 " " " " " " " "	6.00	42.50	400.00
14-16 " " " " " " " "	7.00	55.00	525.00
16-18 " " " " " " " "	12.00	90.00	

Large plants, \$1.25, \$1.50, \$2.00, \$3.00 each.
Araucaria Excelsa 3-4 tiers, doz., \$9; 100, \$65.
 4-5 tiers, doz., \$12; 100, \$90.
 These are extra fine plants, well furnished.

Hydrangea Otaksa Strong plants \$15.00, \$20.00, \$25.00 per 100.

Kentia Belmoreana and Forsteriana \$12, \$15, \$18, \$24 per doz. Extra fine stock.

BOBBINK & ATKINS, Rutherford, N. J.

Ball's Palms, &c.

CHOICE HARDY STOCK, EXTRA STRONG.

Areca Lutescens, several plants, 4-inch, @ 25c; 6 in. @ 50c and 75c; 8-in. @ \$1.50; 10-in. @ \$4.00 and \$5.00. Large specimens, 14-in. and 16-in. @ \$17.50 to \$35.00.

Latania Borbonica, 4-in. @ 25c; 6-in. @ 50c and 75c. Made up, 3 plants together, large and showy, 6-in. @ 75c; 8-in. @ \$1.

Kentia Forsteriana, 3-in. @ 20c and 25c; 4-in. @ 40c and 50c.

Kentia Belmoreana, 3 in. @ 20c and 25c; 4-in. @ 40c and 50c; 5-in. @ 75c; 6-in. @ \$1.00 and \$1.25; 8-in. @ \$2.00.

Livistona Rotundifolia, strong, 4-in. @ 40c; 5-in. @ 75c.

Pandanus Veitchii, 6-in. @ \$1.00; 8 in. @ \$2.00.

Ficus Elastica, Araucaria Excelsa, Draecena Terminalis, etc., etc.

CHAS. D. BALL,

HOLMESBURG, PHILA., PA.

Price Lists*

Gloire de Lorraine Begonia.

Elegant bushy plants, covered with buds and flowers. Just the stock for your counter sales.

	Each.	Per Doz.	Per 100
2 1/2-inch pots, bushy.....	.25	\$2.50	\$20.00
3-inch pots, bushy.....	.35	4 00	30.00

	Each.	Per Doz.	Per 100
4-inch pots, bushy.....	.50	\$ 5.00	\$40.00
6-inch pans, very fine.....	1.00	12.00	

LILACS.

Pot-grown, for forcing, strong plants, 7-inch pots, 18 to 24 inches high, well branched and full of buds, in two sorts, CHARLES X and MARIE LE GRAY, each, 75 cents; dozen, \$7.50.

HYDRANGEA.

OTAKSA and THOS. HOGG, extra strong, field-grown plants with 5 to 7 branches, per dozen, \$2.00; per 100, \$15.00.

Vaughan's Seed Store,

Greenhouses, Western Springs, Ill.

84-86 Randolph St., CHICAGO.

MARECHAL NIEL

Field-grown, grafted, two years, 5-6 foot canes, \$25 per hundred.

ALSO Liberty, Beauty, Maid, Kaiserin, AND OTHERS. SUPERB STOCK, EXTRA STRONG.

ROSEDALE NURSERIES,

BRENHAM, TEXAS.

SOME PLANTS YOU WANT.

	Per 100.
20,000 Pansy Plants to grow for bloom, 20 levs., \$1.00	
Coleus, 10 varieties named.....	2 1/4-inch, 1.50
20,000 Alternantheras, bushy.....	2 1/4 " 1.50
Salvia Dwarf Clara Bedman.....	2 1/4 " 1.50
Smilax.....	2 1/4 " 1.50
Begonias, flowering, mixed only.....	2 1/4 " 1.50
3,000 Sedum Variegatum.....	2 1/4 " 1.50
5,000 Cigar Plant, fine.....	2 1/4 " 1.50
California Moss, basket plant.....	2 1/4 " 1.50
Asparagus Plumosus Nanus.....	3 " 5.00
Boston Fern, true.....	3 " 5.00

5 Plants at 100 rates.

THE MORRIS FLORAL CO.,
 MORRIS, ILL.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/4-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early From

Money Order Office, **EDWIN LONSDALE,**
 Sta. H. Philadelphia. Wyndmoor, Pa.
 (Near Phila.)

N B We have not changed our location, but the P O authorities have changed our P. O. facilities.

Geranium Novelties

For 1900.

The Finest Collection in America.



A Set of Selected DOUBLE BEDDERS,
SINGLE BEDDERS,
FANCY DOUBLES and
MAMMOTH FANCY SINGLES,

A Striking Set of IVY-LEAVED VARIETIES.
A full Line of the Introductions of 1899 in all
the above Sections.

A full Line of Selected STANDARD BEDDERS
A fine Collection of Fancy PELARGONIUMS.

If you wish to be with the Leaders in Bedding Plants, order your Stock from

THE COTTAGE GARDENS, QUEENS, L. I.

C. W. WARD, Manager.

Begonia Gloire de Lorraine.

THE LARGEST STOCK IN THE COUNTRY,
IN PERFECT CONDITION.



SPECIMEN PLANTS

Ready at Thanksgiving and Christmas.



In 8 and 6 inch Pans, and 6, 5 and 4 inch Pots.

Grown at moderate temperature, well hardened
off, perfect in shape, in splendid condition, covered
with bloom.

WRITE FOR PRICES.



A Fine Stock of the New Orchid Flowered
Ivy-Leaved Pelargonium LEOPARD.



VERBENA KING.

Express prepaid on all
Rooted Cuttings.

Ready Dec. 5.

Verbenas, 40 best mammoth
vars. 60c per 100;
\$5.00 per 1000.

Alternanthera, red and
yellow, 60c per 100; \$5
per 1000.

Ageratum, 4 best vars.,
60c-75c per 100; \$5.00-
\$6.00 per 1000.

Heliotropes, 10 best vars.
\$1 per 100; \$8 per 1000.

Daisies, 2 best vars., \$1 00 per 100; \$8.00 per 1000
Send for our new list of other rooted cuttings
and plants; it will save you money. Write for
prices on larger lots.

C. HUMFELD, Clay Center, Kes.

3 - Great Glories - 3

BEGONIA GLOIRE DE LORRAINE, 2 1/4-inch
pots, \$15.00 per 100.

BEGONIA GLOIRE DE LORRAINE Nana Com-
pacta, 2 1/4-inch pots, \$15.00 per 100.

BEGONIA CALEDONIA, "The White Lorraine,"
3 1/4-inch pots, \$5 00 each.

This stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Pelargoniums.

Rooted cuttings, good varieties, \$2 per
100. Will have plenty Verbenas, Ager-
atums, Salvias, Heliotrope and other
things to offer later. Cash with order.

S. D. BRANT, Clay Center, Kan.

AGERATUM

"Stella Gurney."

As necessary to your bedding stock as coleus or
geraniums. Dwarf in growth, true blue and
always in bloom. Strong pot plants at

75 cts. per Doz.; \$5.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

FINE Bays



Pyramids and Standards.

Specimen Rhododendrons for Forcing,

Adiantum Farleyense, cut or
in pots:

Azaleas, Ficuses, Acacias,

Araucarias, Boston Ferns,

Small Ferns,

Fine cut Fronds of Adiantum tenerum,

Lorraines.

Edgar, WAVERLEY, MASS.

Please mention the American Florist when writing.

SPECIALTIES IN BEST ...VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

Stock 'Mums For Sale—If you want a good
collection; if you want strong,
heathy plants; if you want fancy prize winning
stock, write to me for varieties and prices. I have
taken 13 premiums this season in Chicago, Indian-
apolis and St. Louis—half firsts and half seconds—
on white, yellow, pink, bronze and any other
color. Anything else you want I have got it if
anyone has. Address at once
CUNNAR TEILMANN, Marion, Ind.

CALADIUMS Fancy leaved, 40 named sorts.

Dry bulbs, 1 1/4 to 2 1/4-in. Per 100 Per 1000
Dry bulbs, 1 to 1 1/4-in. \$10.00 \$90.00
8 00 70.00

ORANGES, Best sorts, grafted on Citrus
trifoliata, beautiful plants, bushy, 15 to
18-in. \$30.00

PHENIX CANARIENSIS & TENUIS,
Very sticky,
3-4 characterized leaves, 15-18-in. 15.00
4-5 " " 20-24 " 25.00
5-6 " " 24-30 " 40.00

PHENIX RECLINATA, 3-4 characterized
leaves, 15-18-in., very sticky 25.00

LATANIA, 4-5 characterized leaves, 18-20-
in. 25.00

BIOTA AUREA NANA, Best dwarf Biota,
12-15-in. 12.00

Not less than 50 at above rates.
Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.

GERANIUMS

ROOTED CUTTINGS. 38 VARIETIES.

Double and Single in separate colors. As Record,
Harrison, S. A. Nutt, Beaute Poitevine, Double
Grant, La Favorite, Mme. Bucher, Pres. Du Bois,
Single Grant, Queen of the West, and others.

Rooted Cuttings, by mail, \$1.25 per 100; by
express, \$10.00 per 1000.

Transplanted Plants, by mail, \$2.00 per 100; by
express, \$15.00 per 1000. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Please mention the American Florist when writing.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA.

St. Joseph, Mo.

The chrysanthemums and cold weather are now with us. Up to November 9 we had no killing frosts, and cannas, moonvines, etc., were in full bloom, but they are a thing of beauty no more. Society trade with the florists has been very light this season, but a number of large funerals have helped even up the sales. The supply of chrysanthemums is fully equal to the demand but violets are scarce, as are Beauties. Other roses are more plentiful, some very good while others have more mildew than foliage. Carnations are coming in slowly, about equal to the demand.

Mr. Richards is looking forward to some good wedding decorations.

J. N. Kidd is opening a branch store for up-town trade.

Stuppy looks real cozy in his new quarters. X. Y. Z.

DES MOINES, IA.—The Des Moines Plant and Seed Company has opened a down town store.

BROCKVILLE, ONT.—J. Hay & Song gave a flower show, November 15 to 17, at their greenhouses. They issued neatly printed invitations, announcing, among other exhibits, vases of Mrs. Lawson and Liberty. They had good crowds.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS, 46 Marion St., NEW YORK.



PALM LEAVES

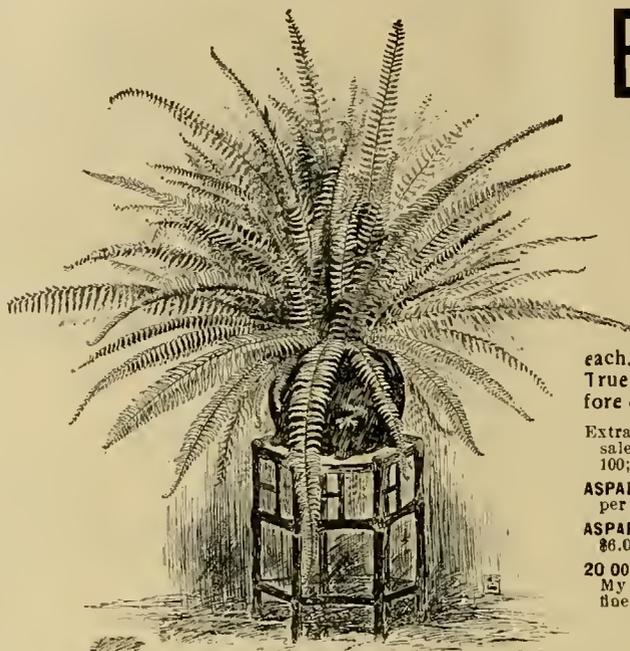
For Prepared Palm purposes.

ALL VARIETIES. ALL SIZES.

MAKE YOUR OWN PREPARED PALMS

We can supply all the materials.

Florida Natural Products Co., Jacksonville, Fla. & Indianapolis, Ind.



BOSTON FERN...

A Specialty.

20,000 at \$20 and \$25 per 100. Extra fine plants at 75c and \$1.00 each. Small plants \$5 per 100. True stock. Order now, before cold weather.

Extra well berried SOLANUM (Jerusalem Cherry), 5-in. at \$20.00 per 100; \$3.00 per dozen.

ASPARAGUS P. NANUS, 3-in. \$8.00 per 100.

ASPARAGUS SPRENGERII, 3-inch. \$6.00 per 100.

20 000 PALMS—Kentias, Lalanias. My own growing from seed, very fine. Write for prices.

L. H. FOSTER, 45 King St., Dorchester, Mass.

HEACOCK'S PREMIUM PALMS.

ARECA LUTESCENS.

3 plants, 6-inch pot, 24 to 28 inches.....\$12.00 per dozen; \$100.00 per 100
3 " " 8 " 36-inch, fine.....\$3.00 each

COCOS WEDDELIANA.

1 plant, 2 1/4-inch pot, 8 to 10 inches high.....\$15.00 per 100
1 " 3 " 10 to 12 "20.00 per 100
1 " 4 " 18 inches high.....\$.50 each
3 " 5 " 18 "1.00 "

KENTIA BELMOREANA.

4-inch pot, 5 to 6 leaves, 15 inches high.....\$ 4.50 per dozen; \$ 35.00 per 100
6 " " 6 " 24 "15.00 " 125.00 "

KENTIA FORSTERIANA.

4-inch pot, 4 to 5 leaves, 15 inches high.....\$4.50 per dozen; \$35.00 per 100
6 " " 5 " 24 to 28 inches high.....\$1.00 each; \$12.00 per dozen
6 " " 5 to 6 " 30 "1.25 " 15.00 "
8 " " 6 " 36 to 40 "3.00 " 36.00 "
8 " " 6 " 48 to 50 "4.00 " 48.00 "

JOSEPH HEACOCK, Wynote, Pa.

LUCAS PAINT

THE BEST FOR PRESERVING & BEAUTIFYING NO WATER NO BENZINE BUT PURE OIL AND PERMANENT PIGMENT



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all polished copper, \$1.00. Cash with Order. Weighs, boxed, about 5 pounds. Buyer pays express. STEVENS & CO., 107 Chambers St., N. Y. City.



Invalid Appliance Co., MANUFACTURERS OF COLUMBIA PLANT TUBS

"The kind that never fall apart." If your seedsman doesn't handle them, order of us direct. FACTORY AND OFFICE: 150-150 VEDDER ST., CHICAGO. TELEPHONE NORTH 833.

THE NICKEL PLATE ROAD

will sell tickets within distances of 150 miles, November 28th and 29th, at rate of a fare and a third for the round trip, account of Thanksgiving day. Return limit November 30th. This road has three through daily trains to Ft. Wayne, Cleveland, Erie, Buffalo, New York and Boston, carrying vestibuled sleeping cars and affording excellent dining car service, individual club meals being served, ranging in price, from 35 cents to \$1.00. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for reservation of sleeping car accommodations. Chicago Passenger Station Van Buren St. and Pacific Ave., on the elevated Loop. City Ticket Office 111 Adams St. 39.



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE QUAKER CITY MACHINE WORKS RICHMOND, IND.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address JOHN G. ESLER, Sec'y F. H. A., SADDLE RIVER, N. J

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to..... THE AMERICAN FLORIST CO.

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class. Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO., YOUNGSTOWN, O.

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

Thos. W. Weatherd's Sons, 46 Marion St, NEW YORK.

Die Bindekunst

Einzig Special Zeitschrift der Welt für BLUMENBINDEREI.

Probenummern umsonst. Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag, ERFURT, DEUTSCHLAND.

BEST AND CHEAPEST
ALL-ROUND INSECTICIDE on the Market.



ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER AND TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

RUSTIC WORK FOR ALL PURPOSES MADE TO ORDER...

In stock, the most extensive variety in the country. of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO., 19 Fulton Street, NEW YORK CITY.

A good adv. in a good paper will bring good returns.

Nikoteen Aphis Punk It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required - No heating of irons - No trouble - Cannot injure the most sensitive blooms - Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabcura Dip Co. St. Louis - Chicago.



LIQUID PLANT FOOD

Grows hardier stock; grows improved stock. Stock ships better; also ready earlier. Brings better customers and more profits.

EASTERN CHEMICAL COMPANY, 620 Atlantic Ave., Boston.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.



GEO. KELLER & SON,

MANUFACTURERS OF

Flower Pots.

Before buying write for prices. 381-383 Herndon Street near Wrightwood Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

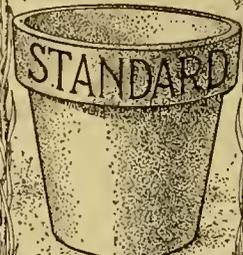
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, DETROIT, MICH., Rep. 490 Howard St.

Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY. Write for price list.
G. HENNEGKE GO., MILWAUKEE, WIS.

Seen by New Firms: AMERICAN FLORIST ADVTs.

WHILLDIN POTTERY CO.



STANDARD

PHILADELPHIA - PA.

BRANCH WAREHOUSES: } Jersey City, N. J.
} Long Island City, N. Y.
Please mention the American Florist when writing.

ESTAB. 1765

A. H. HEWES & CO

NO. CAMBRIDGE MAS L.I. CITY N.Y.

CATALOGUE FREE

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20
1500 2 1/2 " " " 6.25	60 8 " " " 8.00
1500 3 " " " 6.00	48 9 " " " 4.90
1000 3 1/2 " " " 5.00	48 10 " " " 3.80
800 3 3/4 " " " 5.80	24 11 " " " 3.80
500 4 " " " 4.50	24 12 " " " 4.80
320 5 " " " 4.51	12 14 " " " 4.80
144 6 " " " 3.16	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY, OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents, 51 DEY STREET, NEW YORK CITY

FLOWER POTS ALL KINDS.

STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWAHN'S POTTERY MFG CO., P. O. Box 78, Minneapolis, Minn.

Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.
W. H. ERNEST, 29th and M Streets N. E. WASHINGTON, D

New Orleans.

MEETING OF THE LOCAL SOCIETY.—CHRYSANTHEMUMS ARE SHOWN.—OLMSTED BRINGS PLANS FOR AUDUBON PARK.

Although we have had at different intervals, some very nice chrysanthemum shows, the florists of New Orleans did not find it advisable to have one this fall. A few of them brought some very nice flowers to our last club meeting, the best being raised by President Paul Abele. After a discussion on the merits of the various sorts, everybody seemed to agree that as a white chrysanthemum coming in at the right time, November 1, none is better than Mrs. Robinson. After hearing the report of the committee which had in charge the collection of plants to be sent to the Galveston sufferers it was decided to also send a donation in cash and a check of \$25 will be sent in the name of the New Orleans Horticultural Society.

John C. Olmsted, of Brookline, Mass., is in the city looking to the final plans for the improvement of Audubon Park. Mr. Olmsted brought with him the plans which he has prepared for the firm of Shepley, Ruston & Collidge, of Boston, for the new public shelter which is to be located on the St. Charles avenue side of the park. Mr. Olmsted also brought the planting plans for the park. Should they be approved by the association bids will be advertised for at once. M. M. L.

ST. JOSEPH, Mo.—J. N. Kidd has opened a branch store at 512 Francis street.

TERRE HAUTE, IND.—The M. A. Hunt Floral Co. sold out its retail store to F. Wunder & Sons November 17, and will in future confine its operations to wholesale growing.

Plant·Pots — AND — Pedestals.

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese PLANT POTS or JARDINIERES, selected by our buyers at the places of production in the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to \$150 each.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

Wholesale and Retail.

Jones, McDuffee & Stratton Co.

CHINA, GLASS AND LAMP MERCHANTS.

120 Franklin St., BOSTON, MASS.

JEROME JONES, Pres. S. P. STRATTON, Treas.

Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

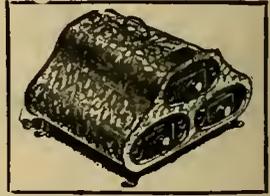
No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.

Lehman Bros., Manufacturers,
10 Bood St., NEW YORK.

JAMES W. ERRINGER,
Gen. West. Sales Agent,
297 Wabash Ave., CHICAGO.



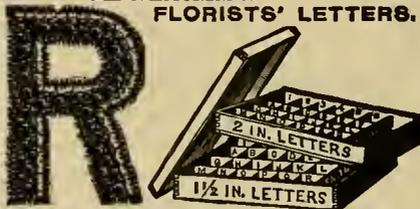
Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC. TO N. STEFFENS. AND STEFFENS BROS.
MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

60, 62, 64 and 66 N. 4th St., PHILADELPHIA, PA.

HEADQUARTERS FOR
COCOA FIBRE, SPHAGNUM and GREEN MOSS, SHEEP MANURE, GREEN MOSS, BONE all grades, RUSTIC WORK, all kinds, IMPORTED SOOT, CLAY'S FERTILIZER.
DUNNE & CO., 54 West New York, 30th St.
HORTICULTURAL SUPPLIES.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.
404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you up on..... **SILKALINES.**

84 Kingston St., BOSTON, MASS.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25.
Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brass and nickled, with three clasps for 5 to 6-in. pots, each, \$1.75.
Kift's patent rubber capped Flower Tubae, 1/4-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
1725 Chestnut St. Philadelphia, Penn.

The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until the burr heap is reached. It does the work much better than a hand rake and three times as fast. Easy to operate. Given certificate of merit at N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.

FINLEY LAWN RAKE CO., - Joliet, Ill.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for \$2.50. Without spraying valve, \$2.00.

The Hose Connection Co., Kingston, R. I.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.
HOT-HOUSE GLASS A SPECIALTY.

Deutsche Gärtners Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Moller's Deutsche Gärtners Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt.

Steam and Hot Water HEATING

Perfectly installed by

H. W. GIBBONS, 136 Liberty St. New York.
Expert Advice and Plans Furnished.
CATALOGUES 4 CENTS.

Holds Glass Firmly FULL SIZE NO. 2

See the Point  The Van Ruyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.

HENRY A. DREER,
114 Chestnut St., Philadelphia, Pa.

THE SCOLLAY BOILER

"INVINCIBLE"

FOR GREENHOUSE HEATING.

Steam or Hot Water.

SEND STAMP FOR CATALOGUE.

JOHN A. SCOLLAY,
74-76 Myrtle Ave., BROOKLYN, N. Y.

INDEPENDENT OF ALL TRUSTS.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. **THE REED GLASS & PAINT CO.,** 456 W. Broadway, NEW YORK.

Circulation

which
Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

THE CONVENTION WINNER



The FURMAN BOILER

(NEW MODEL.)

Awarded the Certificate of Merit

— AT THE —

NEW YORK S. A. F. CONVENTION.

SUPERIORITY FOR

GREENHOUSE HEATING.

We make a specialty of Greenhouse Heating and invite your investigation of our system. Special Florists' Catalogue sent free upon request.

Heat your houses evenly and with economy. USE FURMAN BOILERS.

ADDRESS **THE HERENDEN MFG. CO.,**
20 Vine St., GENEVA, N. Y.

BRANCHES { 120 High St., BOETON.
39 Cortlandt St., NEW YORK.
BLOOMINGTON, ILL.
Reimer & Radmer, Agents,
411 State St., MILWAUKEE.



EASY

It's easy to use because the principle is right. A boy can operate it. It's easy to put up because of its extreme simplicity. It's easy to buy because the price is reasonable.

THE CHAMPION VENTILATING APPARATUS

Catalogue is free. A postal with your name and address secures it. Address

COOLIDGE BROS., Florists,
So. Sudbury, Mass.

A FLIMSY BOILER

is a poor investment.

THE WEATHERED

will last a lifetime and you can depend upon it.

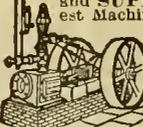
Testimonials by the hundred on application to

Thos. W. Weathered's Sons,

46 Marion St., NEW YORK.

REBUILT MACHINERY

and SUPPLIES at Bargain Prices. Largest Machinery Depot on earth. We buy buildings and plants; among others we bought the World's Fair, the Omaha Exposition, the Chicago Post Office, and other structures. We rebuild machinery of all kinds, and sell with binding guarantees. Boilers from \$25 up; Engines from \$35 up; Steam Pumps from \$15 up, complete stock of General Supplies, such as BELTING, SHAFING, HANGERS, PULLEYS, IRON PIPE, IRON ROOFING, HARDWARE, VALVES & FITTINGS, PLUMBING MATERIAL, etc. Will send free, our 250-page Catalog No. 57. Constantly buying entire stocks at Sheriffs' and Receivers' sales. Chicago House Wrecking Co., W. 35th & Iron Sts., Chicago, Ill.




Boilers

OF HIGH GRADE.

For GREENHOUSES.

See our Catalogue.

Steam and Hot Water. **Giblin & Co.,** Utica, N. Y.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

CYPRESS
IS MUCH MORE DURABLE THAN PINE.

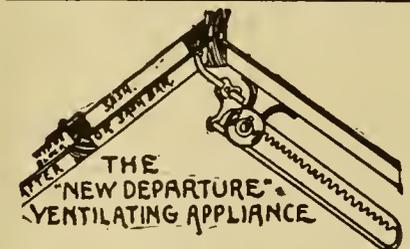
CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.

GREENHOUSE AND OTHER BUILDING MATERIAL.

Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES." Send for our Special Greenhouse Circular.

THE A. T. STEARNS Lumber Co.,
Neposens, BOSTON, MASS.

Please mention the American Florist when writing.



You can not get a GOOD THING for nothing. But the price of this apparatus is next to nothing. Send for price and description to

J. D. CARMODY, Evansville, Ind.

HOTBED, GREENHOUSE, VENTILATOR SASH

GULF CYPRESS BARS, GREENHOUSE MATERIAL, Manufactured by **S. JACOBS & SONS,** Flushing Ave., near Metropolitan Ave., Brooklyn, N. Y.

GLASS AT WHOLESALE. Catalogue and estimates furnished.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, DECEMBER 1, 1900.

No. 652.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natlck, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 32 PAGES WITH COVER.

CONTENTS.

Seasonable notes on orchids.....	593
A huge Lillium auratum (illus.).....	594
Pompon chrysanthemums (illus.).....	594
Paris.....	594
London.....	596
Pottawottomi indians gathering green in Wisconsin (illus.).....	596
New York.....	596
Boston.....	597
Chicago.....	598
Philadelphia.....	598
Detroit.....	599
Los Angeles.....	599
The ethics of renaming sports.....	600
Greenhouse building.....	600
Electric light in greenhouses.....	600
The mixing of lime and manure.....	600
American Carnation Society.....	600
Chrysanthemum Society of America.....	600
Cincinnati.....	601
The seed trade.....	606
The nursery trade.....	608
Albany, N. Y.....	608
Bay City, Mich.....	608
Our pastimes—At New York.....	610
—At Flatbush.....	610
—At St. Louis.....	610
—With Chicago gunners.....	610
—At West Hoboken.....	610
St. Louis.....	614
South Bend, Ind.....	616
New Haven, Conn.....	616
Toronto.....	618

Seasonable Notes on Orchids.

Odontoglossum crispum and its numerous sub-varieties, *Pescatorei*, *Uro-Skinneri*, *pulchellum majus* and others have made marked progress during the past few weeks. The past summer, with its intense heat, was especially trying on this class of orchids. The months of June, July, August and September are always telling on what we may term alpine orchids, and the high temperatures usually recorded during those four months make the successful culture of *odontoglossums*, *masdevallias* and other cold orchids very difficult.

Our *odontoglossum* house is a lean-to facing due north. In spite of shading, abundance of moisture and almost closed ventilators the temperature on excessively warm days last summer would rise to 85° or 90°, and with full ventilation on would not fall below 70° at night; this for a class of plants which in their native habitat occasionally experienced light snowfalls and frosts is very weakening.

Now that cooler weather prevails, the plants, which were kept on the dry side during the heated period, are afforded more moisture to the roots. All shading has been dispensed with for several weeks, and a night temperature of 50° to 52° maintained; when fire heat is used, plenty of top air is kept on. *Odontoglossums* will not tolerate coddling or forcing any more than *camellias* will.

Thirty years ago *odontoglossums*, because they "come from a warm country" were given stove treatment, with, of course, disastrous results. Even twenty years ago we saw many of them ruined by heat, but their cultural requirements now being more fully understood they are not killed by the wholesale as in those days. The demand for this class of plants, however, seems ever to be on the increase, judging by the immense importations received and auctioned at the various London salesrooms at this season of the year.

The finest batch of *Odontoglossum crispum* I ever saw were hung, or stood under a tree in fairly thick shade at an establishment in the west of Scotland. Four months of this treatment, drenching rains included, made the plants the very picture of health. Unfortunately our high temperatures make this treatment impossible here. Possibly in the years to come, with the continued advance of horticulture, we may expect some of the retired Klondykers and other moneyed people on the Pacific slope to take up their culture. With their colder

nights and absence of abnormally high day temperatures we may yet hear of these cold orchids being better forcers in the State of Washington or British Columbia than they ever were in the east.

Cœlogyne cristata and its varieties are among the most useful of florists' orchids and being of comparatively easy culture may well form part of the stock in trade of any retail florist, for even if he cannot use the flowers in design or other work, he can usually find a market for them in the large cities. *Cœlogyne*s seem to thrive equally well in pots, pans and baskets (but do not succeed so well on blocks) in a compost of rough, fibrous peat, or fern fibre and sphagnum moss, providing ample drainage in the form of oyster shells, potsherds or charcoal. Some cultivators place them outdoors in the summer months with satisfactory results. We grow them very successfully in a house with *cymbidiums*, *Cypripedium insigne* in variety and *Miltonia vexillaria*, but the plants will thrive well in almost any ordinary greenhouse.

Flower spikes are now showing prominently from the bases of the new bulbs and water, from this time on, should be applied more sparingly, just enough to keep the bulbs from shriveling. Care must also be exercised not to wet the sheaths of the spike too much or the buds may rot. While *cœlogyne*s will stand a high or low temperature, and still retain apparent vigor, they are impatient of forcing, and those who handle a few and think "they would be nice for Christmas" had better not try the rushing process too much, as it is liable to end in disaster.

While *C. cristata* is the most widely grown variety, its white form is now comparatively cheap and grows more freely than *C. cristata*. A large pan or basket of *cœlogyne*s bearing hundreds of flowers is a beautiful picture, and the plant is well adapted for house furnishing. No other orchid makes a better show in a large, low jardiniere than *Cœlogyne cristata*, and by a little judicious manipulation, where a batch of these is grown, plants may be had in flower for several months.

In addition to *C. cristata* and its varieties there are quite a number of other species, mainly found in the East Indies and Malay Archipelago, including *C. Dayana*, *C. Massangana*, *C. Lowii*, *C. ocellata maxima*, *C. Sanderiana*, *C. Fostermanii* and others, some of which are pretty and interesting, but as a rule they are more interesting to botanists than they are useful to florists. Those

florists who can find room for a few orchids should certainly include *Cœlygne cristata*. It is of easy culture, increases rapidly, is inexpensive and with even ordinary treatment will soon pay for itself.

Dendrobium Wardianum and *D. nobile* are two of the most widely grown and popular of the whole family of dendrobies. The flowering nodes on these are now showing signs of swelling, and the leaves, if they have not yet fallen from *D. Wardianum*, will soon do so. We give these a dry, airy house with a night temperature of 55° at present. A graper from which the fruit has been cut would answer admirably. For some time to come water will be given sparingly, just sufficient to keep the pseudo bulbs from shriveling. It is interesting, day by day, to watch the expansion of the nodes. Until it is possible to see the flower buds the plants are better in a comparatively cool, airy and dry atmosphere, after which time they can be removed to a warmer house to expand.

Of the many sub-varieties of *D. nobile* some of the best we grow are *Amesia* with a very dark disk, and very pale tips to the sepals, petals and tip of the lip; *Nobilium* probably the finest variety grown; *Wallichianum rubrum*, *Cooksoni*, *pulchellum*, *majus*, *elegans*, *virginalis*, *Sanderiana* and others. *Dendrobium nobile* is one of the oldest orchids in cultivation having been introduced from China in 1836, but it remains one of the most popular.

While the bulk of the genus *dendrobium* are East Indian plants, *D. nobile* will succeed in almost any warm or cool house, and some of the finest specimens I ever saw were grown in a house with azaleas, acacias and other hard wooded plants. It will even succeed tolerably well as a house plant and a year or two ago I saw a nicely flowered plant which a lady had grown in her house for several years and always succeeded in flowering well. There is no reason why this, and one or two other easily grown orchids, such as *Cypripedium insigne* in variety, *Oncidium flexuosum*, *Lycaste Skinnerii*, and other easily handled sorts should not be more generally cultivated as house plants.

Of course the general impression is that orchids are costly and difficult to grow and flower, and plants for the few and not the many. I believe, however, that a few years will see more of them grown as house plants, and that florists will be able to sell certain varieties of these in bloom, just as they can sell hydrangeas, cyclamens, primulas or azaleas to-day. The first cost may be a trifle more but there are an increasing number of people who are becoming interested in orchids, and little incentive is needed to start them as cultivators on a small scale. The man who has a small greenhouse wants a few and some are handling them with success as window plants.

Dendrobium Phalaenopsis and *D. Phalaenopsis Schroederianum* are among the most beautiful and useful of all orchids, their splendid, graceful sprays of flowers, whether on the plant or cut, keep fresh a long time. The flowers vary so much in color that in a batch hardly any two are exactly alike. While the type has pale mauve petals and somewhat paler sepals, some flowers are very much deeper in color, while there are some pure white forms, such as *D. Phalaenopsis Schroederianum album*, and *D. Phalaenopsis hololeuca*. While in bloom the cattleya house is a very suitable place in which to hang them, the ventilation being better,

and the air drier than in the warmest house. As soon as the flowers are all faded, which is generally by the end of the present month, the plants should be stood together in a sunny position in a dry house to ripen up the pseudo bulbs, water being administered sparingly to prevent shriveling of the bulbs.

The fact that this orchid flowers naturally from September to November, during a considerable portion of which period flowers are scarce, makes it especially valuable. Many fine batches of this splendid orchid have been ruined by the dreaded *dendrobium beetle*, and the greatest care is necessary in examining all new importations for this destructive pest. While *Dendrobium Phalaenopsis* will grow and flower fairly well in a



LILIUM AURATUM WITH 202 BLOOMS.

house where the temperature falls occasionally to 50° it succeeds best in an East Indian temperature, and grows well in small pans or baskets hung close to the roof, in a compost of fern fiber and sphagnum moss.

Cypripedium Leeannum, now flowering, is one of the most beautiful of the family. This excellent variety was raised in the fine collection of Sir Trevor Lawrence, of Burford Lodge, Dorking, England, by crossing *C. insigne* with *C. Spicerianum* and has maintained the best characteristics of both parents. The variety *C. Leeannum superbum* is much superior to the type. Other fine forms are *C. Leeannum Masereelianum* (*C. insigne Chantinii* × *Spicerianum*), and *C. Leeannum pulcherrimum*. Several fair spikes this season are twin flowered. A new seedling raised here by the late W. Robinson, which recently flowered and is named *C. Leeannum pallidum*, was obtained by crossing *C. insigne Sanderæ* with *C. Spicerianum*. This plant was included in a group of seedlings exhibited before the Massachusetts Horticultural Society on November 3. The tip, as the name denotes, is much paler than in the other *Leeannums*. W. N. CRAIG.

LEOMINSTER, MASS.—Joseph Fuller has purchased the large greenhouse, 40x150, recently erected by Mr. Tatro, Central street.

A Huge Liliium Auratum.

In the accompanying illustration we have an example of the unusual proportions to which *Lilium auratum* attains occasionally. We do not recall a specimen so floriferous as this one, which was grown by Charles Dunham, gardener to N. E. Valley, Dunedin, New Zealand. The plant is shown in the open border where it was grown. The stem as it appears here bears 202 blooms, but a branch which broke away from the main head carried 140 flowers, a total of 342 on one stem.

Pompon Chrysanthemums.

We present herewith a reproduction of a photograph of the set of six new pompon chrysanthemums which John N. May is exhibiting and which will be offered to the trade during the coming season.

No. 1 in the illustration is *Lula*, a very good white of globular form.

No. 2 is *Gallia*, a bold, handsome flower, deep pink in color, said to be a clean, healthy grower.

No. 3 is *Quinola*, deep orange yellow, a bold, handsome flower and one of the best of its class. It has been exhibited as No. 80.

No. 4 is *Miss Ada Williams*, blush shaded white, slightly laced with violet; it is of good size and round form.

No. 5 is *Klondike*, the most brilliant yellow of the whole family. It is of only medium size but is very fine in every way.

No. 6 is *Aileen*, a deep lilac pink, of compact form and medium size. It is free from rust.

Paris.

ANNUAL FALL EXHIBITION OF THE FRENCH ECLIPSES ALL PREVIOUS RECORDS.—MORE ENTRIES THAN EVER BEFORE.—VILMORIN THE PRINCIPAL EXHIBITOR.—LISTS OF THE PRINCIPAL VARIETIES SHOWN.—ENGLISH SOCIETY WELL REPRESENTED.—JAPANESE SHOW SPECIMEN PLANTS WHICH ARE THE ADMIRATION OF THE AMATEURS.

The entries for our recent autumn show were much larger than at any other chrysanthemum exhibition ever held in Paris, and all the space of the Horticultural Palaces was required to accommodate the exhibits. Vilmorin began to grow chrysanthemums in 1893 and therefore entered the arena only of late years, but has made such progress that his firm was the largest contributor to this exhibition. They had several large beds of differently grown pot plants. The beds made up of standard grown specimens were composed of the following varieties: *Parachute*, *Transvaal*, *Princess Alice de Monaco*, *Telletier Claude*, *Miss Alice Montigny*, *President Lemaire*, *Miss Th. Mazier*, *President Felix Sahut*, *Souvenir de Ch. Roissard*, *Miss Nellie Pockett*, *Mme. Vve. Claverin*, *Charles Davis*, *Perfection rose*, *Banquise*, *Pride of Madiord*, *Roxane*, *Impertinent*, *R. H. Pearson*, *Mrs. C. Harman Payne*, *Mrs. Louis Remy*, *Reginald Godfrey*, *Orqueil Belatrix*, *Dr. Roche*, *Braise*, *Pride of Stokell*, *Chenon de Leche*, *Soleil de Minuit*, *Henry Weeks*, *Capella*, *Vivian Morel*, *Mrs. A. Barrest*, *Delavier*, *Cythere*, *Countess of Beaulaincourt*, etc. As an underground or carpet Vilmorin planted the dwarf yellow chrysanthemum, *Gerbe D'Or*, which was very effective. The beds of bush-formed plants comprised, besides many of the above, the following sorts: *Alycane*, *Altair*, *Ami Gauthier*, *Ami Rene*, *Edouard Andre*, *Armada*, *Marie Calvat*, *Marie Charmet*, *George W. Childs*, *Coppelia*,

Gustave Defrance, Mrs. V. Delavier, Demay-Taillandier, Duke of Wellington, Feerie, Princess Galitzine, Gloire Automnale, Eugenie Grandet, Ralph Hatton, Miss Hestin, La France, Le Takir, Pierre Legrand, Luzerta, Megrez, Mermaid, Montbrillant, Orion, Mrs. Melidoff, Plumage, President Nonin, Rene Puyt, Rayonnant, Rosamonde, Mrs. Eugenie Sibourg, Souvenir de ma Socur, Paul Terret, Emily Towers, J. R. Upton, Villard, Mrs. Von Andre, Mrs. Catherine d'Orves, Beauty of Truro, Frederic Bauer, Jules Chretien and Petit Paul. Vilmorin's new sorts, Alcyone, Bellatrix and Princess Galitzine, received a special first prize.

Nonin had a fine bed of pot-grown plants, conspicuous among which was Countess of Beanlaincourt, Bouquet des Alps, Myrto, Wm. Seward, Wm. Tricker, Yellow Mogul, Vulcan, Baronne de Vinols, Miss G. Sardou, Orqueil, Duchess of Orleans, Salome, Liger-Ligneau, President Lemaire, Volcan, Mrs. G. Debrie, Mrs. George Mazuyer, Princess Alice of Monaco, Emile Descine and Mrs. Guilmant Loffroy.

Lemaire showed well grown specimens of Mrs. Ed. Roger, Wm. Seward, President Lemaire, Francois Pilon, Perle fine, Soleil d'Octobre, Volcan, Mrs. A. Fray, Edouard Andre, Countess of Paillot, Souvenir de Charles Boissard, Globe de Feu, Rayonnant, Duchess of Orleans, Braise.

Oberthier, of Rennes, had an effective group composed of Jaune Poitevine, President Felix Sahut, Charles Davis, Mrs. George Bruant, Yellow Mrs. Carnot, Mrs. Edmond Roger, Queen of England, President Lemaire, Viviant-Morel, Van den Heede, Mrs. Louis Remy, Mrs. Gustave Henry, Mrs. Jossier, La Gracieuse, Tatiana, Gambetta, Wm. Tricker, Phebus, Soleil d'Octobre, Mrs. T. A. Compton, Mrs. C. Harman Payne, Souvenir de Charles Boissard, Amiral Avellan, Marie Calvat and Perle fine.

Patrolin, of Bourges, also had a creditable lot of standard grown specimens of Calvat's Australian Gold, Wm. Tricker, Marie Calvat, Gabriel Syveton, President Lemaire, Duchess of Montebello, Reveil, Mrs. W. J. R. Budd, Princess Alice of Monaco, Ernest Hello, Solfatara and President Felix Sahut.

The collections of single cut blooms were all of excellent quality and in grand condition. It would be difficult to say which was the most remarkable. Calvat, the famous French grower, had a lot of blooms of Attila, Felix Allard, Bacchus, Barnave, Berlioz, Mrs. Charles Borrel, Brumaire, Brunehilde, Calvat's Sun, Croix du Sud, Mrs. Charles Diedrich, Etoile du Nord, Falguiere, Fructidor, J. B. Galand, Hebert, La Framée, Jungran, Le Nain Jaune, Lona, Mrs. Loubet, Regina Nansen, Roi Soleil, Salambo, Mrs. Stepman, Art Nouveau, Waldeck Rousseau, Brumaire, Pompador, Thais, Mazali Roxane, Voie Lactee and Vranie, which proved a feature. The blooms were shown well above the ground, the latter being covered with dried moss. Calvat's new sorts, Waldeck-Rousseau, Mrs. Loubet, Brunehilde and Croix du Sud, received a special first prize.

The blooms staged by the National Chrysanthemum Society of England were very much admired. They included the following sorts: Mrs. Coombs, Miss Maud Douglas, President Nonin, Mermaid, Admiral, W. Towers, White Popham, Mrs. J. Bryant, Soleil d'Octobre, Miss Nellie Pockett, Mrs. Barkley, Snow-drift, Miss Marie Hoste, Hairy Wonder, Australian Gold, Australie, Lady Crawshaw, Mrs. J. W. Barks, Miss Alice



SOME POMPON CHRYSANTHEMUMS.

Byron, Lily Mountford, Phœbus, Mrs. G. Bruant, Mr. W. Reid, Molyneux, Hooper Pearson, G. Gibson, Morden Park and Mrs. E. Roger. Some of the blooms were shown in boxes and others were exhibited among green ferns interspersed with a few palms to relieve the flatness.

W. Wells & Co., Earlswood, England, had a grand display of chrysanthemums, Mrs. J. Bryant, Mrs. A. Cordonnier-Wibaux, Miss Lucy Cheeseman, W. R. Church, Mrs. Coombs, General French, Miss Maud Douglas, Mrs. Tripp, Lord Ludlow, Charles Longley, Mrs. J. L. McKellar, Mermaid, White Popham, Silver Queen, Millicent Richardson, Lord Roberts, Louis Remy, C. I. Salter, Mathew Smith, J. R. Upton, Mme. Von Andre, W. Towers, Triboulet, Lady Hanham, Amateur, J. Lechapelais, Alette and Ernest Bettsworth. Their flowers were staged in bamboo holders well above the soil, the latter being covered with dried ferns and leaves.

Cordonnier was well to the fore for the quality and size of his blooms, some of which measured eight inches across. His collection included: Australie, Dr. Felix Allard, Aphrodite, Brunehilde, Chenon de Leche, Mrs. Coombs, Croix du Sud, Frederic Daupias, Charles Davis, Miss Maud Douglas, Dragon, Maurice Donnay, Duchess of Orleans, Duke of Wellington, Duke of York, Blanche Douillet, Etoile de Lyon, Mrs. Gerand,

Giralda, Mrs. Emile Girat, H. J. Jones, Jubilee, Beaute Grenobloise, Lady Hanham, Mrs. Gustave Henry, Lionel Humphrey, Mrs. Charles Keyser, Le Nain Jaune, Master Tucker, Miss Therese, Mazier, Mrs. Mease, Melusine, Viviant-Morel, Nansen, Oceana, Orion, Paul Oudot, Mrs. C. Harman Payne, Petite Genevieve, Francois Pilon, President Nonin, Mrs. Paolo Radacli, Regina, Mrs. Louis Remy, Roi Soleil and Royal Sovereign. Cordonnier's blooms were simply stuck in the soil, on which he spread some branches of Asparagus Sprengerii.

Other prominent exhibits were those of Charmet, with Surpasse Amiral, Gaston Morin, Jules Chretien, Ami Charmet, Miss Clemence Kleber, Duchess of Orleans, Yellow Mrs. Carnot, Tzar Nicolas, Marie Calvat, H. Payne, Le Grand Dragon, and of Molin, of Lyons, Leroux, Leveque and Shermitte.

The Japanese, who are said "to beat the world," did not exhibit their plants in the Horticultural palace in competition with the other growers, but they availed themselves of the festival given in honor of the forty-eighth birthday of the Mikado to show us, at their pavilion of the Trocadero, five immense plants. Mr. Foukouba, who grew the plants in the glass houses of the City of Paris, at Boulogne, claims that he has raised plants at Tokio which measured eighteen feet across and carried 800 flowers. The cuttings which

he had brought over from Japan suffered too much on the route to be used. He therefore had to procure some Parisian grown plants. Is it to that circumstance that his plants only measured from six to eight feet and bore only 200 flowers? It is true enough that the five plants were splendid specimens, trained with marvelous skill, and were well worth the admiration bestowed on them by all the amateurs. But I could not refrain from thinking that I have seen in America plants which must have borne at least the same number of flowers and would have been a good match to those of the Japs.

PARISIAN.

London.

ANNUAL EXHIBITION OF THE NATIONAL CHRYSANTHEMUM SOCIETY.—SHOW SURPASSES PREVIOUS RECORDS IN EVERY PARTICULAR.—BEGONIAS FEATURED AT THE MONTHLY MEETING OF THE ROYAL SOCIETY.—CHRYSANTHEMUMS MORE POPULAR THAN EVER.—MISCELLANEOUS NOTES.

The exhibition of the National Chrysanthemum Society held at the Aquarium, November 6 to 8, proved a great attraction and never have we seen a better display. There was a falling off of the large specimen plants in numbers, but those shown were very good. A great feature of the show was the class for twelve Japanese varieties shown in vases, five blooms of each variety. The blooms were of exceptional quality and, being cut with long stems and foliage, made a much finer display than those on boards.

may be congratulated on his success. Norman Davis secured the second gold medal given by the French society and also first prize for a group. There were five competitors in this class and all showed well, the groups being arranged more effectively than formerly. The premier bloom in the show was adjudged to be Mrs. Barkley, shown by Mr. Mease. The non-competitive groups were again numerous and gold medals were awarded to Cannell & Sons, T. Rochford, W. J. Godfrey, Cutbush & Sons, H. J. Jones, R. C. Pullen and Geo. Bunyard & Co., the last named being for a splendid exhibit of fruit. Mention may be made of some attractive floral designs shown by R. Jameson, of Dublin. The secretary and committee should feel well satisfied with the results of their labors for it was a splendid show and the attendance was above the average.

One of the most prominent features at the Royal Horticultural Society's meeting on November 6, was a group of the beautiful hybrid, Begonia Mrs. J. Heal, shown by the raisers, Veitch & Sons. I have seen it exhibited on previous occasions, but never in such splendid condition. The plants were a mass of rich, crimson flowers standing up well above the foliage. B. Socotrana is one of the parents of this variety, and it should prove as useful as other varieties which this distinct species has given us. Some marvelously well flowered plants of Begonia Mrs. Leopold de Rothschild were seen. Though not so bright in color, it is certainly more vigorous and has larger flowers than its parent. Carnation Mrs.

them in by wagon-loads, not packed in boxes but just loaded up like bundles of greens. On one occasion three of these large wagons were sent together to Covent Garden. Good specimen blooms are always scarce until after the principal exhibitions are over, and this year has been no exception.

Of miscellaneous exhibits at the Aquarium one of the most interesting was from Thos. Rochford, who showed azaleas, lily of the valley, *Lilium longiflorum*, etc., in splendid condition. Cutbush & Sons also had many spring flowering plants in their large exhibit, which also included a good selection of seasonable plants. Among carnations was Mrs. Lawson.

Neerines seem destined to come to the front. Several growers have exhibited very fine seedling varieties during the season. Among those shown by Mr. Elmes, on November 6, one was selected for an award.

Begonia Caledonia has been shown in several collections but we must hope to see it better another season, for, though a distinct novelty, the plants shown have hardly been up to what we might expect.

H.

New York.

MARKET CONDITIONS DISAPPOINTING.—NO ACTIVITY EARLY IN THE WEEK AND EVERY PROSPECT OF HEAVY SUPPLIES ON THE EVE OF THANKSGIVING.—CARNATION GROWERS DISCUSSING MEANS OF DEFENSE AGAINST STEM ROT.—MEETING OF THE CLUB.—COMMITTEE TO CONSIDER EXHIBITION MATTERS.—MATTERS OF MINOR INTEREST.

Growers, wholesalers and retailers, all have been wishing for some clear, cold seasonable weather that would put backbone and ambition into plants and customers alike but up to present writing nothing of the kind has hove in sight and the prospects of a real good Thanksgiving trade suffer in consequence. Predictions are of no value at this time. All that can safely be said is that the early part of the week sees a sufficient if not abundant supply of most flowers in the market with a very light demand and indications that the day preceding the holiday will see a big increase in receipts on account of the material being held back by many of the growers, a condition which is likely to hinder any material advance in values. Roses are pretty good at present, American Beauty especially having improved greatly in quality within a few days, but prices are below the average for the time of year. Carnations also rule at slightly lower figures, on an average, than at a corresponding date in recent years and are overabundant for the needs of the market, which has had chrysanthemums to fall back upon for any and all purposes, although it is also true that of white carnations more might be sold if obtainable. Growers of carnations are worrying more, however, over the prevalence of stem rot than over the question of supply or price, as they do not regard the carnation season as really started until after Thanksgiving and the chrysanthemums have both passed into history and they do not anticipate a surplus of cut at any time this winter because of the large number of plants the stem-rot has destroyed. Chrysanthemums, although showing evidences of fatigue, are yet displaying remarkable tenacity and it looks as though it would be some time yet before they would finally vacate. Violets are



POTTAWOTTOMI INDIANS GATHERING GREEN IN WISCONSIN FOR BARNARD OF OHIO.

The first prize went to a comparatively new exhibitor whose display consisted of the following varieties: Calvat 1899, E. Molinex, Mrs. Mease, Mrs. Louis Remy, Mrs. Barkley, J. Lewis Chœbns, Pride of Madford, Le Grand Dragon, Mons. Chenon de Leche, Australie and Nellie Pockett. This exhibit also secured the gold medal of the French society, which was offered for the best exhibit in the show, and F. S. Vallis, the exhibitor,

Thomas W. Lawson was well shown by Low & Co., and obtained an award of merit.

Wherever we look it is chrysanthemums. Never have they been more popular or so numerous as this season. Owing to the absence of frost, they have been very gay out of doors and the quantities put on the markets have been excessive. One grower who plants largely in the open ground has been sending



POTTAWOTTOMI INDIANS GATHERING GREEN IN WISCONSIN FOR BARNARD OF CHICAGO.

something of an enigma just now; their status will be determined before long. The recent appreciation in price seems to have lacked the elements of permanency and the stock for some days has dragged badly. Orchids are decidedly scarce, except cypripediums.

The New York Florists' Club held a special meeting on Monday evening of this week, attended by about twenty-five members, to consider the matter of the proposed exhibition for next fall. There is an earnest desire manifest among the members to accomplish something that will be notable in this line, but in New York it is a difficult problem and, done as it should be in the metropolis, entails a heavy financial responsibility that can not be assumed without careful deliberation. The discussion of the various projects resulted in the appointment of a committee consisting of W. F. Sheridan, C. W. Ward, J. N. May, J. W. Withers and C. B. Weathered to consult with the Madison Square Garden managers as to possible terms for a first-class exhibition to be held in the latter part of October, and report results at the December meeting of the club. This is a thoroughly good committee and can be depended on to recommend wisely.

A. H. Langjahr and his new delivery wagon find all the business they can attend to in Brooklyn this fall. Brooklyn uses a big quantity of flowers and pays a good price for them.

H. A. Bunyard has taken the vacant store at 46 West Twenty-eighth street for the month of December, as a holiday greens depot.

The display of chrysanthemums at the park in Newark fills the three houses each 20x100, erected last spring

Visitors: Ed. McMulkin, Boston; J. B. Keller's sons, Rochester, N. Y.; John Reck and daughter, Bridgeport, Conn., and A. H. Lange, Worcester, Mass.

MANCHESTER, MASS.—The North Shore Horticultural Society held its second annual banquet at Horticultural Hall on the evening of November 21. About 100 members and friends were present.

Boston.

TRADE HOLDS OFF UNTIL THE DAY BEFORE THANKSGIVING.—RUSH COMES AT LAST MOMENT AND PRICES DOUBLE IN A NIGHT.—SHORTAGE OF ROSES GREATLY TO THE ADVANTAGE OF CHRYSANTHEMUMS.—WHITE FLOWERS IN DEMAND.—VARIOUS ITEMS OF TRADE INTEREST.

The clerk of the weather condescended to favor us with ideal Thanksgiving weather, but not until the day before the holiday, and up to that time flower-dealing in this neighborhood was anything but a pastime, nobody seeming to have any settled ideas as to what the outcome was to be. But "all's well that ends well," and it is gratifying to have to report that Thanksgiving trade was fully up to the record and all reasonable people are well satisfied. Roses proved to be far short of the demand that materialized early on Wednesday and at prices hitherto prevailing many times the available stock could have been disposed of. But when buyers came to realize that values had doubled "in a night" their enthusiasm was quickly cooled and they turned contentedly to the chrysanthemum which was good-naturedly standing around in countless numbers waiting for just this contingency to develop. So Bonnaffons and other good every-day sorts were taken up with surprising alacrity and acres of greenhouses which only yesterday were aglow with pink, yellow and white are now clean-shorn and ready for the lilies that are all ready to move in. Carnations have sold well, considering the presence of the chrysanthemums, and violets have been sufficiently short in supply to warrant the advanced price asked, which, while below ordinary New York quotations, is yet about as high as this market will stand. A noticeable fact this year is the good demand for white flowers. Past experience has been that anything but white could be sold at Thanksgiving, but this year this preference seems to have been forgotten and good white carnations or chrysanthemums sold as readily as the colored sorts. Not much seems to be doing in the flowering plant line, a

few Gloire de Lorraine begonias being about the only blooming things in evidence, but ferns and ficuses have been brought in in quantity and appear to have found plenty of buyers.

Mrs. Oakes Ames, R. M. Grey, gardener, made a remarkable exhibit of cypripediums in bloom at Horticultural Hall on Saturday, November 24. In the collection were the following yellow varieties of *C. insigne*: Aureum, Wm. Mille Dow, Sanderæ, Lutwythianum, citrinum, Dorothy, Laura Kimball and Balliæ. Also *C. insigne* Harefield Hall var. Baron Schroder, Amesianum, Gilmoreanum, Gravesiæ (argus × niveum) and a *Lecanum* natural hybrid.

Ingram & Lynes have built up by industry and perseverance a remunerative business at Reading. Chrysanthemums have been a main crop with them this fall and 6,500 longiflorums are in readiness to take the place of the chrysanthemums. There is a fine house of G. H. Crane carnations. Thos. Capers' seedling carnation, Conquest, is a favorite with Mr. Ingram, which means that it is a good one.

The November meeting of the Horticultural Club was held at the Quincy House on the evening of November 22. The guests were J. Woodward Manning, B. C. Marble, of Manchester; J. F. Lord, Alex. Montgomery, S. J. Reuter, of Westerly, R. I.; J. B. Shea and J. O. Christensen.

That otherwise peerless carnation, Olympia, has been hitherto regarded as rather deficient in stem but the fault is evidently not an insurmountable one judging from the specimens shown by Patten & Co. at the recent exhibition, which were as "erect as a willow."

A silver medal was awarded by the Massachusetts Horticultural Society to Mrs. Oakes Ames for *Cypripedium insigne* Harefield Hall var. Baron Schroder and certificate of merit for *C. insigne* Dorothy and *C. Gravesiæ*.

Wm. Sim places the pink incurved F. B. Hayes chrysanthemum among the leaders as a commercial variety. He has brought in a big crop of them this fall and they have sold well all through.

H. N. Eaton has had the market practically to himself on *Harrisii* lilies, of which he has been cutting heavily. The demand at this time is not very great and Mr. Eaton just about fills it.

Norris F. Comley has a promising yellow chrysanthemum, a cross between Golden Wedding and Modesto, which shows strongly the good features of each. It is named Alice F. Comley.

The premiums appropriated for the exhibitions of the Massachusetts Horticultural Society for the year 1901 aggregate \$8,275.

E. N. Pierce & Sons brought in 250 dozen fine chrysanthemum flowers on the day before Thanksgiving.

Visitors: Walter Mott, Philadelphia, S. J. Reuter, Westerly, R. I.; W. Ingram, Manchester, N. H.; Alfred Dimmock, of Sander & Co., St. Albans, England.

PIQUA, O.—H. P. Smith has opened a cut flower stand at Pierce's drug store, Mrs. Smith being in charge.

PECATONICA, ILL.—Rufus Winchester has nearly completed his new greenhouse and is getting his place into fine shape for winter.

DANVILLE, ILL.—W. A. Duke, whose greenhouses are at Tilton, two miles east of town, has a neat store at 317 North Vermilion street and is doing a good business.

Chicago.

THANKSGIVING TRADE NOT UP TO EXPECTATIONS.—ADEQUATE SUPPLIES IN NEARLY ALL LINES.—BEAUTIES AND HIGH GRADE COLORED CARNATIONS THE ONLY SHORTAGES.—SOME OF THE REASONS FOR THE CHANGED CONDITIONS IN THIS MARKET.—MANGEL TO HAVE A NEW STORE ON THE SOUTH SIDE.—NOTES OF INTEREST HERE AND THERE.

This Thanksgiving has been as unsatisfactory to the wholesalers and growers as were the six weeks preceding. There were no extraordinary supplies of anything except chrysanthemums, but where a shortage of roses had been anticipated, none developed, except on Beauties, and of carnations there were far too many whites and hardly the usual holiday shortage in the colored sorts. There were enough violets so that \$1.50 per hundred was about as high as the best stock reached and the inferior qualities, of which there were a considerable proportion, were difficult to move at half the money. Of chrysanthemums there were more than this market has ever seen in a single week. They came in great cases which packed the commission men's places of business to the doors. There was not near counter room for a display of the vast supplies and a characteristic feature was that in nearly every wholesale house there were more yellows than all other colors combined. In many cases there were more Major Bonnaffons than all other varieties combined. The result of this may well be imagined. Extra yellows could be bought at \$1.50 per dozen, stock that would have been worth much more had there been an adequate supply of the other colors, for the demand seemed all for the colors which were not to be had in quantity. Local trade seemed rather lighter than at previous Thanksgivings, but shipping orders were just as numerous as ever. The marked feature, however, was that few orders attained the oldtime proportions. The order that called for more than \$50 worth of stock was decidedly the exception. Most of them called for from \$5 to \$15 worth. It is worthy of note that on Monday many more flowers could have been sold than were received, but that as the days passed supplies increased until there was a surplus of almost everything save extra Brides and Bridesmaids, Beauties and fancy carnations. On Wednesday and Thursday there was little doing.

This has been such an unusual season that speculation as to the cause of the unsatisfactory conditions is more or less a waste of time, but there are several influences that are worth serious consideration. Repeated attention has been called to the fact that where a few years ago a country florist had only a small conservatory and was a retailer pure and simple, he now has two or three greenhouses and grows so much stock that in times of slack business he has a surplus to consign to the market where once he sought his entire supplies. Then, too, there are many growers throughout the country who have gone on building until they are able to consign to the city market an increased amount of stock and at the same time have supplies to send direct to several of those retailers nearest to them who were once among the best patrons of the city wholesalers. At the same time, a dozen growers whose entire output is sold in Chicago markets can be mentioned whose aggregate increase in glass during the past summer covers more than half a million square

feet of ground. It would be idle speculation to undertake to tell the total increase of glass among the hundreds of growers whose product finds its outlet here. These changing conditions are doubtless at the bottom of the unsatisfactory business situation and they demand the attention of every man whose livelihood depends upon the profits taken from the flower business.

John Mangel is figuring on a new store on Lake avenue which is to outclass everything of the kind in town. It is to be built for him just south of his present location at the corner of Lake avenue and Forty-seventh street on a lot 90x130 owned by Montgomery Ward. The architect has planned a one-story and basement conservatory with a dome forty feet high, the interior arrangement to be such that the structure can be used for receptions and other social affairs. It is understood that Mr. Mangel is taking a twenty-year lease upon the property. He does not contemplate discontinuing his store at the corner of State and Washington streets, where business is very good with him just now.

The chrysanthemum display at Washington Park has been unusually fine for the past few weeks. Of the many excellent pot plants displayed those of W. H. Lincoln have been particularly attractive. Similar plants ought to find a ready sale if grown for market. Work has already begun upon the rose garden to be planted opposite the conservatory in Washington Park.

Among the best chrysanthemums coming in have been those from Geo. Baer, of Toledo, Ohio. Mr. Baer is one of the most extensive growers in his state and had 25,000 blooms this season. They were all very good but were late. None of his sorts were better than Major Bonnaffon.

Begonia Gloire de Lorraine has been in evidence in the retailers' windows this week and has attracted a great deal of favorable notice. The growers who have stocks of this plant for Christmas will not fail to reap a satisfactory compensation for their efforts.

The demand for green is greater than the supply, which was cut off short by bad weather. The wholesale handlers of this commodity are very cautious in taking orders and prices are likely to reach the highest point recorded in some years.

The Mrs. Lawson carnation is now coming in good with nearly all the growers. It has fully demonstrated its commercial value and there will be a big demand for the cuttings next spring.

The Chicago Carnation Company, say a number of the daily papers, has been incorporated, the incorporators being Spencer F. Adams, Rowland S. Ludington and Duncan M. Moore.

P. M. Broadbeck disbudded his roses during the season of glut and had a splendid crop on for Thanksgiving but says that he is afraid he will miss it for Christmas.

Peter Reinberg and Henry Wietor have returned from a ten days' shooting trip into Arkansas. Mr. Reinberg goes Monday to Marion, Ill., on a similar errand.

Flint Kennicott, president of the Kennicott Bros. Co., has been laid up with rheumatism for a week but is now able to be about with a limp in his gait.

Vaughan's Seed Store received three carloads of bouquet green the past week, a large consignment considering the season's scarcity.

Adolph H. Poehlmann now has his wholesale store completely fitted up and it is one of the pleasantest places in town.

S. Angel will open a new retail store at 2358 Indiana avenue December 1.

Mrs. C. W. Pike has been down from Racine this week.

Philadelphia.

BUSINESS MOVES ALONG VERY WELL.—THANKSGIVING DEMAND VERY BRISK.—THE PREVAILING PRICES.—WAGON BUILDERS BUSY.—SOME GOOD DECORATIONS.—LIBERTY FINE AND IN BRISK DEMAND—VARIOUS ITEMS.

Business is moving along very well for the season. There have been a number of weddings, and debutant's teas. These latter are using up considerable choice stock, nothing being too good for them. Good flowers, that is first grades, are in demand all the time at fair prices; in fact there is not enough of this class of stock. Prices are about the same as last week: Beauties \$2 to \$5 per dozen; teas \$5 to \$8. Bridesmaids are not a good color, running too pale. A few Morgans in the Pennock stock look well. It would seem as if there should be more of this rose grown, as it certainly makes a good showing. Carnations seem to sell fairly well, as the prices hold at from \$1.50 to \$3. Violets are scarce at from 50 cents to \$1 for the singles and 75 cents to \$1.50 for the doubles. Romans and narcissi are in at from \$3 to \$4. Mignonette is scarce; there should be more of it about as it is in good demand at profitable prices. Chrysanthemums are selling well. Prices range from \$10 to \$25 per hundred, the latter price being for R. Craig & Son's Mrs. Chadwick, which is certainly a fine variety. Charles Meehan, of Germantown, has a house of yellow and white Mrs. Jerome Jones which will be in great demand this week.

The wagon builders are being kept busy with florists' work these days. Joseph Heacock is about to put a fine van on the street, mainly for the business of delivering palms, his trade having increased so as to render the extra conveyance necessary. Herman Reissert will soon have a fine new wagon, one of the right-up-to-date kind. Pennock Brothers are having a handsome wagon built, which will be on the street before long. Rumor says it is to be a dandy and quite in keeping with their handsomely appointed store. Woodroffe & Bernheimer, the Ludlow street commission men, are also in line with a handsome rig. They have recently made a large addition to their storage or cold room capacity, made necessary by their increasing business. Every wholesale florist in town now has, I believe, a delivery wagon, several of them being as handsome and well appointed as those of the retail trade.

President McKinley was entertained by the Union League, our crack republican organization last Saturday evening. The house was very well decorated and the dinner tables were lavishly dressed with flowers. Pink carnations were mostly used in recognition of the fact that this flower had been adopted by the G. O. P. as its floral emblem. Graham had the house work while Battles arranged the tables.

There was not a little comment by rose growers over the fact that although a premium was offered at the recent exhibition for the new rose, Liberty, there was not a single entry received by the secretary. This was seized upon by

the men who did not plant any stock and used to condemn the variety. At this time, however, some very fine blooms are coming in from several growers and it is selling very well and bids fair to become very popular with flower buyers.

K.

Detroit.

CHRYSANTHEMUM SEASON AT ITS HEIGHT. — PRICES NOT AS HIGH AS IN PREVIOUS YEARS — LARGE SALES DUE TO EFFORTS OF THE RETAILERS. — THE CLUB ENJOYS AN AFTERNOON AT MOUNT CLEMENS. — MANY INTERESTING THINGS NOTED AMONG THE GROWERS.

The chrysanthemum season has reached its zenith and large numbers of the blooms are being used, but prices are not as high as the same quality of stock bought last year. There is no evidence of this flower increasing in favor with the public and it is largely due to the efforts of the florists to push their sale and use them in as many ways as possible that so many of them are sold. It is also noticeable that pot plants of chrysanthemums are not so much sought for as in former years. Carnations are in good demand and very fine ones are being cut but the quantity is not equal to the call. Roses, except Beauties, move slower and the quality is only fair. The warm weather of October followed by rainy and cloudy weather the past ten days has been very disastrous for rose growers.

Last week an outing was enjoyed by thirty members of the club. Leaving the city at one o'clock on the Rapid Railway we journeyed to Mt. Clemens, the home of celebrated growers of violets, roses and carnations. The first stop was made at Breitmeyers'. This well-known place of over 100,000 feet of glass is largely devoted to roses. One house of Meteors was especially fine and the houses of Beauties, Bridesmaids and Brides that are at present off crop are making splendid growth which will crop nicely by the holidays. One table of Liberty that is being tried does not show the satisfactory results which we read of elsewhere and Mr. Breitmeyer is greatly disappointed.

Four houses are devoted to violets, some of them showing the effect of the warm fall weather, but on the whole they are healthy and full of promise for the coming season. Here the bottomless pot is much in evidence, as it is at Mr. Klagge's place adjoining. The utility of the device is apparent in the present condition of the plants. With its use no flowers are lost by damping off, as by the usual method of growing. In chrysanthemums Rough Rider shows up conspicuously and was pronounced an elegant sort. Immense blocks of white and yellow Mrs. Jerome Jones, Mrs. S. T. Murdock, Yanoma, Niveus, Ermenilda, Maud Dean and Bonnafion were showing evidence of careful and skillful growing. Four houses of Beauties planted in solid beds will be dried off after Thanksgiving and rested and frozen through the winter and again started for spring and summer flowering. One house of Perle and one of Kaiserin will be similarly treated except as to the freezing feature.

We next visited Robert Klagge's, where no one remembers of having ever seen a poor crop of anything. His violets, while not as grand as last year, are very fine and he has no fear of their future, though they are at present off crop. About eight hundred cyclamens are remarkably fine plants and he is justly proud of them. One house is devoted to

smilax and *Asparagus Sprengeri*. Those who think Daybreak a back number should see his two houses of them, planted inside the last of July and now coming into heavy crop. It is hard to conceive it possible for any variety to be stronger and healthier.

A short distance from Mr. Klagge's are the three new houses of F. Gutschow & Son, just completed and planted with carnations. Each of the houses is 20x112, with 16x16 glass, heated with steam. Their plants were put in late but are looking well. John Carey's was the next place visited. His specialty is Meteor roses and he has them fine. One house is devoted to chrysanthemums and two to carnations, all looking well. His Brides and Bridesmaids are just right for a Christmas crop.

We next visited James Taylor. He is often called the violet king because of his continued success with them, and this year is no exception, though he, too, complains of off crop at present but promises much in the near future. His carnations, too, are hard to beat and some fine blooms will come from his place soon. From here we went to the Monroe Hotel for supper and spent the remainder of the evening in bowling, returning to the city about midnight.

J. F. S.

Los Angeles.

SOUTHERN CALIFORNIA EXPERIENCES THE BENEFITS OF HEAVY RAIN AFTER DROUGHT. — RETAIL FLORISTS PREPARED FOR A BUSY WINTER. — DOINGS, PERSONAL AND OTHERWISE, OF GROWERS, RETAILERS AND OTHERS.

Within the past fortnight California has been enjoying the luxury of the heaviest rainfall she has experienced for more than ten years and the heaviest on record for November. It is a great state that can glory in from six to fifteen inches of rain, vivifying all vegetation in the southern part, and as many feet of snow covering the mountains in the northern section. Conservative estimates are that this rain is worth \$20,000,000 to the fruit and vegetable interests and as the world looks to this state for large supplies of seeds and bulbs the trade generally will be gratified to learn that the crops for the coming season promise to be abundant. Of course some damage has been done but it is trivial compared to the beneficial results. The greatest loss of which we have learned occurred to the celery crop on the peat lands in Orange county. The latest estimate of loss is 600 carloads, equal to one-third of the entire crop. Over 400 acres of celery, fully grown, ready for marketing, has been washed out and carried by the flood into the Pacific ocean. The rain destroyed all the open flowers on the carnations, perhaps 100,000 blooms being lost to the growers, but they are well satisfied, knowing the next few weeks will produce much more and finer blooms than if there had been no rain.

The flower stores are all ready for a busy season and have been made as attractive as possible. Capt. F. Edward Gray has refitted the Ingleside Floral Company's store and decorated it in olive green and gold. O. C. Saakes has repapered and painted the Central Park Floral Company's establishment, which is the oldest in this part of the state. Morris Goldenson has opened a new store at 207 South Spring street, in the Hollenbeck Hotel building. Everything therein is new except the proprietor, who has been in the business here for the past

ten years, and in that time has established a nice trade. The Redondo Floral Company starts the season with a new manager for the store. John Schlaloss, who was in charge for two years, resigned to accept a position in Phoenix, Arizona. A Mr. Borden is now in charge and has one of the finest stores in the city. The Diamond Hill Nursery is making a fine display in their store at 327 South Spring street and should succeed in doing a good business in this location.

Hot weather in early November made a very short season for chrysanthemums. They bloomed earlier than usual and, as a rule, fault was found with their keeping qualities. We think it safe to say there was no money in chrysanthemums this year, either for the grower or retailer. So far the violet crop is poor, flowers small, and stems short. Paper White narcissi are already on the market in limited quantity.

At one of the fashionable women's clubs some of our professional women florists recently gave instructive addresses as follows: Mrs. J. E. McNeil, on the cultivation of ferns and begonias; Mrs. Randall Hutchinson, on the cultivation of annuals; Mrs. R. T. Whittlesey, on carnations in California; Mrs. R. W. Poindexter, on cacti, and Mrs. T. B. Shepherd, of Ventura, an exhaustive essay on begonias.

E. J. Vawter has about four acres planted solidly to carnations which are the finest plants we have seen this year. These are mainly local varieties although he is experimenting with the leading eastern sorts, hoping to find some that will succeed with the open air culture given here. Mr. Vawter has sold the entire crop of blooms to July, 1901, to Capt. F. Edward Gray.

Speaking about carnations, the varieties that succeed here are very few and it is interesting to know that Ethel Crocker is among the number. Some very fine blooms are now being sold in this city, grown by Mrs. Watson on Boyle Heights. The Japanese gardens in Santa Monica are also sending in a very good dark pink sort that is greatly admired.

Anton Kravchik, of the Los Angeles Floral Store, was obliged to remove from his Spring street location to make room for a half-million dollar hotel building. He secured a desirable storeroom at 417 South Broadway.

Miss Harriet Goodwin, at 440 South Broadway, is enjoying a profitable business in the location she selected last spring, where she always has some of the choicest flowers to be found in the city.

John Reeves is usually too busy to call on his many friends, but now he is nursing two fractured ribs, the result of a fall from his bicycle, and can take time to look around.

An excavation for a new building dropped a portion of the floor in the Elite Floral Company's store on West Fourth street. The loss will not exceed \$100.

E. R. Meserve, the Broadway florist and nurseryman, was married on November 4.

D. R. W.

GREAT BARRINGTON, MASS.—Theodore Dellert has leased the Raifstanger greenhouses.

PORTLAND, ME.—E. J. Harmon is on a gunning expedition in the eastern part of the state.

LINCOLN, NEB.—C. H. Frey reports that trade has been fair for some time and that there is stock enough for what promises to be a big season.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—8 times, 5 per cent; 13 times,
10 per cent, 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

In the window glass industry the trust
now has 1699 pots and the independent
factories 816 pots.

HOLLY of early cutting shows up none
too good; the weather has not been cold
enough for handling in best order.

TO PRODUCE abundance of Boston fern
runners, the fronds of the parent plants
should be tied up so as to permit the
light to reach the soil.

MOSSED ficuses should not be potted
after removal from the parent, but placed
on a bench of light propagating soil until
the roots start out well.

In the English and French chrysanthe-
mum exhibitions Soleil d'Octobre, or
October Sunshine, has been conspicuous
for its excellence with all growers.

To Secretary Wilson, of the Depart-
ment of Agriculture, we beg to tender
thanks for copy of his annual report for
the fiscal year ended June 30, 1900.

A NOTEWORTHY French chrysanthe-
mum is Calvat's Sun, a seedling origin-
ating with Ernest Calvat. It is remark-
able for its size and its pure golden yellow
color.

THE scarcity of bouquet green becomes
more apparent, wholesale rates of eight
and ten cents per pound being asked and
paid in Chicago, Minneapolis, St. Paul
and other cities.

THE increased circulation and adver-
tising patronage which has come to the
AMERICAN FLORIST makes it imperative
that contributors and advertisers mail
their "copy" early. Matter must be in
our hands on the Thursday before date
of issue to insure insertion.

The Ethics of Renaming Sports.

ED AM. FLORIST:—In reply to the query
of Jerome Jones I wish to say that the
late Henry A. Gane gave us one of the
most beautiful flowers known to admirers
of chrysanthemums and, as he originated
it, he, of course, had a right to name it
Mrs. Jerome Jones, but the yellow and
bronze sports of the variety are the
property of the parties with whom they
first showed the variations. The owners
having the legal right to propagate, dis-
seminate or destroy, it follows that they
have a perfect right to give them any
name they may see fit to select as long
as they do not conflict with the rights of
those who may have prior rights. Had
these people named their sports Yellow
Mrs. Jerome Jones, or Bronze Mrs. Jerome
Jones, then on complaint of Mrs. Jerome
Jones, or the aggrieved party, if they

could prove that innocent persons were
liable to get the wrong flower for the
genuine and original Mrs. Jerome Jones,
they might have a case to carry up to
the C. S. of A. I do not think a sport
should carry the name of the original
flower. Every flower should have a dis-
tinctive name, and the more agreeable
and charming the name the better busi-
ness judgment the introducer shows.
Hugh Graham named his beautiful yellow
sport Pennsylvania. This is far more
acceptable than would be Yellow Phila-
delphia. Mr. Graham had a beautiful
sport of W. H. Chadwick this season, a
clear, bright yellow which I hope he will
be able to perpetuate, as it is a decided
acquisition and far superior to Rawson's
straw-colored sport named Eclipse. By
the way, Mr. Jones will agree, I think,
that Eclipse is a better name for a chrysan-
themum than would be "Straw-colored
Chadwick."
RUFUS W. SMITH.

Greenhouse Building.

Essex, Mass.—Capt. L. G. Burnham,
conservatory 18x80.

South Framingham, Mass.—C. H. B.
Chapin & Co., one house.

Jewett City, Conn.—A. A. Young, Jr.,
carnation house 40x116.

Lexington, Ky.—D. B. Honaker, large
rose house.

Electric Light in Greenhouses.

ED. AM. FLORIST:—It may interest
your readers to know that William K.
Harris, of Philadelphia, with his usual
up-to-date progressiveness has had the
electric light strung through his green-
houses and when lighted up these dark
afternoons the effect is very fine. He cordi-
ally invites brother florists and the
trade to inspect the innovation. He
expects to be able to fill rush orders dur-
ing the holidays with more than usual
promptitude.
J. M. W.

The Mixing of Lime and Manure.

I have noted with much surprise the
recommendation that lime and wood
ashes be mixed with bone meal and
manure and composted, in the last num-
ber of the AMERICAN FLORIST. Nitrogen
is, as the writer states, the element most
needed by the plants. It is also the most
costly. Nitrogen exists in both manure
and bone as ammonia. Lime sets
ammonia free to pass off in the air and
be lost unless the compost is covered
with some substance which will absorb
it. Wood ashes contain a large propor-
tion of lime. The addition, then, of either
lime or ashes will result in the loss of a
valuable portion of both the manure and
of the bone, especially when, as in this
case, the heap is to be spread out thin
and frequently turned over. The process
which will ensue during a week or ten
days will hardly be nitrification to any
extent. The composting of manure and
bone without the lime is good practice,
but should generally be carried much
longer than a week or ten days.

Lime and wood ashes are valuable for
many soils, and the addition of lime is
essential in some cases. Both lime and
wood ashes, however, should be mixed
with the soil, whenever possible, in suffi-
cient quantities to carry through the
season, and be allowed to become thor-
oughly incorporated with it before
adding the manure. When it is neces-
sary to apply either or both of these
substances to the benches after planting,
they should be worked and washed into

the soil thoroughly, after which the bone
and manure mulch can be applied with-
out much danger of loss. We have used
in place of wood ashes a small quantity
of sulphate of potash together with a
liberal application of lime, and secured
equally good results. Many soils con-
tain sufficient potash for the needs of the
plants. On such soils wood ashes would
only be of value by reason of the lime
they contain, which could be supplied
much cheaper by applications of air-
slaked lime.
W. N. RUDD.

American Carnation Society.

The following carnations have been
registered at the office of the secretary of
the society:

By Fred Dorner & Son's Co., Lafayette,
Ind., Lorna, pure white, a great improve-
ment on White Cloud in that it has
longer and stronger stems, larger and
better formed flowers, is an earlier
bloomer and has a much more satisfactory
growth. The habit is all that can be
desired.

By Elmer J. Weaver, Bird-in-Hand, Pa.,
Midnight Sun, a bright crimson much
brighter and livelier in color than Maceo,
also much larger in size. Stems long and
strong, a free and early bloomer with
good habit and a good calyx.

By Elmer J. Weaver, Bird-in-Hand, Pa.,
Lancaster Pink, a good, rich color, very
large flower with good calyx and long,
strong stems. An early and continuously
free bloomer; in growth strong and
healthy.

Any carnation enthusiast who wishes
to award any special premiums for the
exhibition to be held in Baltimore,
February 21 and 22, should forward full
information of the same at once to the
secretary, Albert M. Herr, Lancaster,
Pa., so as to get them into the premium
list which goes to press early in December.

In connection with the exhibition there
will be held a general lecture on carnation
diseases by Prof. Wood, of Washing-
ton, and a general discussion on the
subject of stem-rot, also a paper on
hybridization by Peter Fisher, of Ellis,
Mass., and other subjects of importance
to carnation growers.

All who are interested in carnations
should attend the meeting and matters
of interest for the question box can be
sent to the secretary at once so that
suitable men may be selected to prepare
answers.
ALBERT M. HERR, Sec'y.

Chrysanthemum Society of American.

Following are the reports of the com-
mittees judging seedlings and sports:

CHICAGO, November 10.—Nathan Smith
& Son, Adrian, Mich., exhibited Mrs.
Elmer D. Smith, yellow, which scored 93
points commercial scale.

CHICAGO, November 17.—E. G. Hill
Co., Richmond, Ind., exhibited Mary
Hill, pink, which scored 78 points com-
mercial scale.

Malcolm Lamont, crimson, by same
exhibitor, scored 81 points commercial
scale.

PHILADELPHIA, November 24.—John N.
May, Summit, N. J., exhibited Chestnut
Hill, a yellow, Japanese, incurved
variety, which scored 85 points com-
mercial and exhibition scales. Last year
this variety scored 90 points commercial
scale, 88 points exhibition scale at Phila-
delphia.

NEW YORK, November 24.—Chestnut
Hill, exhibited by John N. May, scored
81 points commercial scale.

BOSTON, November 24.—John N. May exhibited Chestnut Hill, which scored 88 points commercial scale, and Zampa, a brownish crimson, salmon reverse, scoring 78 points exhibition scale.

CINCINNATI, November 24.—Chestnut Hill, shown by John N. May, scored 86 points commercial scale.

The following letter which has been received from Monsieur Ph. Rivoire, Secretaire General Societe Francaise des Chrysanthemistes, under date of Lyon, France, November 10, 1900, will be of interest, we believe:

MONSIEUR EDWIN LONSDALE, Secretaire,
de la Chrysanthemum Society of America,
Wyndmoor, Pa., U. S. A.

I have the honor to inform you that the variety which has taken the prize of \$25 which the Chrysanthemum Society of America has been good enough to offer to our society to be competed for under its auspices, is a variety called Mademoiselle Marie Liger exhibited by Monsieur Liger-Livreau, horticulteur, Orleans.

The award of the prize was made by the vote of the members of the Floral Committee, which was the committee on awards to examine novelties at the Exposition of Paris. There were other varieties competing, among them may be mentioned "Caivat's Sun" and "Sada-Yaoco."

I renew in the name of our Society our thanks for the generous gift from the Chrysanthemum Society of America, and beg you to receive the assurance of our best regards.

Le Secretaire general,
PH. RIVOIRE,
T. S. V. P.

P. S.—I hear, at the moment of closing this letter, from Monsieur Dubreuil, that he has received from your treasurer, Monsieur John Newman May, the amount contributed. It will be forwarded forthwith to Monsieur Liger. I must add that the variety which has taken the prize is not so extraordinary as we could have wished, but we have chosen the best among the many varieties exhibited. It is a Japanese incurved, with tubular florets of a very pretty rose color.

EDWIN LONSDALE, Sec'y.
Wyndmoor, Pa.

Cincinnati.

A VISIT TO THE WITTERSTAETTER ESTABLISHMENT SHOWS MANY THINGS OF EXCEPTIONAL QUALITY AND INTEREST.—SEEDLINGS AND NOVELTIES.—VARIOUS MATTERS OF INTEREST.

A visit to Richard Witterstaetter shows his place to be in even better shape than usual. Two houses of Boston ferns will certainly be good stock for the holidays. Another house of chrysanthemums, such varieties as Goldmine, Mrs. Jerome Jones, Major Bonnation and W. H. Chadwick were just right for Thanksgiving. There are two houses of Enquirer carnations. Last season there was some talk about the splitting of the calyx of this carnation but thus far this season it seems to be free from this fault. There is also a house of Mrs. Lawson, Genevieve Lord, Ethel Crocker and Estelle, all fine plants. There is a house of Adonis, of which those who attend the annual meeting and show of the carnation society, at Baltimore, in February, can in a measure form their own opinions. The seedling house contains many noteworthy things, but the two which will soon be heard from are a splendid red and a white seedling designated as No. 720 A. Visitors to the Witterstaetter place should insist upon seeing the carnation houses before "Dick" takes them down to the cut flower cellar, for the atmosphere down there is very exhilarating, and when they come from the cellar they might not be able to see the carnations.

Undoubtedly the majority of florists have read about the closing of the German National Bank of Newport, owing to the sudden departure of a clerk with about \$200,000 of the bank's funds. John Freis, Julius Schuman, D. Rusconi and the Pfeiffers were among the florists who are depositors in this bank. There

is a movement on foot to reorganize with a new set of directors who will try to pay dollar for dollar. In the meantime these florists have about \$10,000 tied up.

At the annual banquet of the Commercial Club at the Queen City Club, Thursday evening, November 22, the guest of honor was Mr. Wu Ting Fang, the Chinese minister. The spacious banquet hall of this swell club was very tastefully decorated by Sunderbruch.

The next exhibition and meeting of the Cincinnati Florists' Society will take place at the club rooms on Saturday, December 8. It will be an exhibition of carnations and roses.

Frank Ball, J. A. Peterson and R. F. Brooks were among a class of forty who were initiated into the order of the Mystic Shrine at the Scottish Rite Cathedral last Saturday.

Trade has been very satisfactory of late, with ample supplies of all flowers except American Beauties.

Ask Ben. George what the boys brought him when they returned from that hunting trip.

WATERTOWN, N. Y.—W. H. Skeels suffered the loss of two greenhouses and contents crushed by the weight of snow in the recent blizzard.

SPRINGFIELD, O.—The eight florists who have stands in the public market have petitioned the City Council to set aside the northwest room in the market for the exclusive use of the florists. Their prayer will probably be granted.

FORT PLAIN, N. Y.—Amenzo Brown; who has carried on an extensive gardening business here for many years, committed suicide on November 20 by hanging himself from a beam in the loft of his barn. Dependancy over sickness in his family was the cause.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2920 South Park Ave., Chicago.

SITUATION WANTED—By first-class rose grower; age 26. Best references. Address T E, care American Florist.

SITUATION WANTED—As assistant in greenhouse in or near Chicago. State wages with board and room. Address WORK, care American Florist.

SITUATION WANTED—By a scholar and industrious florist; 15 years' experience; on private or commercial place. Address P, care Am. Florist.

SITUATION WANTED—By first-class manager and propagator; capable to take full charge and handle men. Best of references. Address V, care American Florist.

SITUATION WANTED—As foreman; understand roses, carnations and mums and general bedding stock. Can furnish best of references. Address H R B, care American Florist.

SITUATION WANTED—By a first-class grower of roses, carnations and general bedding plants, as foreman; age 30; 16 years' experience. Address GROVER 113, care American Florist.

SITUATION WANTED—By a No. 1 grower of roses and carnations and other general stock. Good references. Address W C KONZELMAN, Box 3, Knightstown, Ind.

SITUATION WANTED—As second gardener or assistant in commercial place, by industrious man; 16 years' experience. Good references. Address V S, care W. J. Stewart, 67 Bromfield St., Boston.

SITUATION WANTED—By a practical grower; thoroughly competent in every branch of the trade. Steady and sober. Best of references. Age 28. Address CHICAGO, care American Florist.

SITUATION WANTED—By florist, German; first-class hand in making up; 3 years in England. Highest references. Moderate salary to be paid with. Address C O, 6 Arcturian Road, London, W. England.

SITUATION WANTED—By a practical grower; 15 years' experience in commercial and private places; capable of taking full charge. If you don't want a reliable man don't answer. Write preferred. Address C G, care American Florist.

SITUATION WANTED—As foreman by first-class grower of roses, carnations, chrysanthemums, etc. Have been in charge of rose houses several years with one of the largest growers in the east. Best of references. State wages. N S, care Am Florist.

SITUATION WANTED—A thoroughly practical man in all departments of greenhouse work in order to engagement as foreman of a modern establishment; best of references. Write, giving salary and all other particulars, to S S, care American Florist, Chicago.

SITUATION WANTED—On improvable private place only, by gardener well educated in all branches of horticulture; 27 years' experience; will give up his position for larger scope only; free any time after December 31, 1900. References none better. Address HEADGARDENER Santa Barbara, Cal.

WANTED TO RENT—5,000 to 10,000 feet of glass in good condition. Address W B, care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRoe Gardens, Memphis, Tenn.

WANTED—An experienced florist and landscape gardener. Must be able to accept bids and references as to competency in growing, designing etc. Address SPT. KANSAS STATE INSANE ASYLUM Topeka, Kan.

WANTED—Good, reasonable grower. For the past five years in business for himself would like to rent established business, with privilege of buying. Prefer place doing retail business. Houses must be in good repair, located in good sized town—west preferred. Best of references. Address S M J, care American Florist.

FOR SALE—Return bend cold water, heating capacity 3,000 square feet of glass built to order one year ago, and guaranteed to be in first-class condition. GEO. STAFFLINGER, Springfield, N. Y.

FOR RENT—Greenhouses and office, one 125x20; one 55x23; 14 city lots, 25x100; two-story dwelling house for two families. Open to main entrance to St. Michael's cemetery. Eats finished 1888. Address W. H. SCHEURER, 532 Flu-hing Ave., Astoria, L. I., N. Y.

PARTNER WANTED

With \$5000 to buy an interest and take the management of either the greenhouses or seed department of the largest seed and floral business in the South. For a bright, active man who is well up in the business this is a rare opportunity to get an interest in a well established business. Salary \$100 per month. Do not answer unless you mean business. For particulars apply to PARTNER, care American Florist, Chicago.

FOR SALE.

Two second-hand tubular boilers, 60 H. P. each, complete with fronts and all fixtures. Inquire of FRAZER & JONES CO., Syracuse, N. Y.

FOR SALE. Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 60 carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in on place. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE. GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,
233 Mercer St. NEW YORK.

Wholesale Store, Minneapolis, Minn.,

Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. **BRANT & NOE.**
Minneapolis, Minn.

FIRST QUALITY LEUCOTHOE SPRAYS,
delivered by express for \$3.00 per thousand.
—CASH WITH ORDER.—

R. A. LEE, EVERGREEN, ALA.

Wholesale Flower Markets

CINCINNATI, Nov. 29.

Roses, Beauty	15.00@25.00
" Bride	3.00@ 5.00
" Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 6.00
" Perle	3.00@ 4.00
Carnations	1.00@ 4.00
Chrysanthemums	8.00@15.00
Violets	.50@ .75
Lily of the valley	4.00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.15
Asparagus	50.00
Galax leaves	.15
Roman hyacinths	3.00
Narcissus	3.00@ 4.00

St. Louis, Nov. 29.

Roses, Bride, Bridesmaid	3.00@ 6.00
" Beauty, 12 to 20 inch stems	10.00@20.00
" " long	25.00@40.00
" Perle	3.00@ 5.00
" Meteor	3.00@ 6.00
" Kaiserin	3.00@ 6.00
Carnations, common	1.50
" choice	2.00@ 3.00
Lily of the valley	4.00@ 5.00
Smilax	12.50@15.00
Adiantum	1.25
Galax	.15
Chrysanthemums	5.00@10.00
" fancy	15.00@25.00
Violets	.60@ 1.00

MILWAUKEE, Nov. 29.

Roses, Beauty, long, per doz	3.00@ 4.00
" " med	1.50@ 2.00
" " short	.50@ .75
" Bride, Bridesmaid	4.00@ 8.00
" Meteor	4.00@ 8.00
" Golden Gate	4.00@ 8.00
" Perle	3.00@ 6.00
Carnations, ordinary	2.00
" fancy	3.00@ 4.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Mums, fancy, per doz	2.00@ 3.00
" ordinary	1.00@ 1.50
Violets	1.00@ 1.50
Stevia	1.50@ 2.00

PITTSBURG, Nov. 29.

Roses, Beauty, fancy	25.00@35.00
" " extra	15.00@20.00
" " No. 1	8.00@10.00
" " culls	4.00@ 6.00
" Bride, Bridesmaid	3.00@10.00
" Meteor	3.00@ 8.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
" Liberty	3.00@ 6.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Violets	.50@ 1.50
Paper White narcissus	4.00
Romans	4.00
Lily of the valley	2.00@ 4.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@75.00
" Sprengerii	.20@ .75
Galax green and bronze per 1000	\$1.25
Dagger ferns, per 1000	2.00
Chrysanthemums, fancy	10.00@20.00
" ordinary	4.00@ 8.00

DENVER, Nov. 29.

Roses, Beauty, select	12.50@25.00
" " ordinary	4.00@ 7.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 5.00
" Perle, Wootton	3.00@ 4.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.00@ 2.50
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	.75
" double	.75
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Veros, per 1000	2.00
Chrysanthemums, long, per doz	1.75@2.50
" short	6.00@10.00

WIETOR BROS.

51 Wabash Ave., CHICAGO.
WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY.

30-36-in. stem	per doz., \$4.00 to \$5.00
24 "	" " 2.50 to 3.00
20 "	" " 2.00
15 "	" " 1.50
12 "	" " 1.25
8 "	" " .75

METEOR	per 100, \$6.00 to \$7.00
BRIDESMAID	" " 6.00 to 7.00
BRIDE	" " 6.00 to 7.00
PERLE	" " 4.00 to 5.00
CARNATIONS	" " 1.50 to 2.50

Quotations subject to change without notice. All other stock at lowest market prices.

Carnation Blooms.

65,000 PLANTS UNDER GLASS.

Why not buy your Carnation Blooms direct from grower and get good fresh stock. We have them in large quantities of all the leading commercial varieties, including G. H. Crane, White Cloud, Flora Hill, Mrs. Bradt, Eldorado, Madam Chapman, Maceo, Daybreak, McGowan and others. Also have 20,000 Violet Plants and picking large quantities daily. Write me your wants and get prices before you buy.

Address **CHAS. CHADWICK, Grand Rapids, Mich.** Lock Box 11.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

HOLTON & HUNKEL CO.,
-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Street,

ALL FLOWERS IN SEASON. **PITTSBURG, PA.**

ONE DOLLAR FIFTY PER 1000 FOR BRONZE GALAX LEAVES

Delivered NOW FREE, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for Ten Cents.

AMERICAN ROSE CO., Washington, D. C.

Stop Walking the Floor. You won't be disappointed if you place your orders for

SOUTHERN WILD SMILAX

With CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace." N. B. We also sell some Holly.

WEILAND-AND-RISCH

We are large Growers and Shippers of CUT FLOWERS ALL THE NEW VARIETIES. YOUR BUSINESS SOLICITED. 59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

Frank M. Ellis,
WHOLESALE FLORIST,

1402 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

There is no probability of a surplus of good stock in any line, but we invite you to

Call on Us for All Your Needs,

For we can assure you of absolutely fair treatment and a supply of any grade of any stock which can be had anywhere in Chicago. Everything billed at market rates at hour of shipment. * * * * *

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street, CHICAGO, ILL.
Long Distance Phone 1977 Central.

PRICE LIST.

BEAUTIES

Extra long stem.....	per dozen,	\$5.00
Stems, 30 inches.....	"	4.00
" 24 ".....	"	3.50
" 20 ".....	"	2.50
" 15 ".....	"	2.00
" 12 ".....	"	1.50
Short stems.....	"	.75-1.60
Brides and Maids.....	per 100,	5.00-6.00
Meteors and Kaiserin.....	"	5.00-6.00
Perles.....	"	4.00-5.00
Roses, good seconds.....	"	3.00
Carnations, standard sorts.....	"	1.50-2.00
Fancy sorts.....	"	3.00-4.00
Callas.....	per dozen,	1.50
Romans.....	per 100,	3.00-4.00
Paper White.....	"	3.00-4.00
Valley.....	"	4.00-5.00
Violets.....	"	1.50
Mignonette.....	per doz.	.35-.50
Asparagus.....	per string,	.50
Galax, 1000, \$1; 10,000 for \$7.50; per 100,	"	.15
Ferns, per 1000, \$1.50.....	"	.20
Leucothoe sprays.....	"	.75
Adiantum.....	"	.75-1.00
Smilax.....	per dozen,	1.25-1.50
Wild Smilax, parlor brand.....	per case,	3.25
" " medium.....	"	4.25
" " large.....	"	5.50

We still have some fine

CHRYSANTHEMUMS.

Send orders for them and other stock.

WILD SMILAX, FANCY FERNS, Our Specialties.

J. B. DEAMUD, 51 & 53 Wabash Ave., CHICAGO.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of *Cut Flowers*

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders

.....If your.....

Business Methods

are right you can make a profit
on an advertisement here.

Wholesale Flower Markets

CHICAGO, NOV. 30.

Roses, Beauty, extra long stems	5.00
" " 36 inch "	4.00
" " 30 " "	3.50
" " 24 " "	3.00
" " 18 " "	2.00
" " 15 " "	1.50
" " 12 " "	1.25
" " short "	.75@1.00
" " Bride, Bridesmaid.....	4.00@ 6.00
" " Meteor.....	4.00@ 6.00
" " Perle.....	3.00@ 5.00
" " Golden Gate.....	5.00@ 8.00
" " Kaiserin.....	4.00@ 6.00
Carnations.....	1.50
" " fancy.....	2.00@ 3.00
Chrysanthemums.....	5.00@25.00
Violets.....	1.00@ 2.00
Lily of the valley.....	.50@ 5.00
Adiantum.....	.50@ 1.00
Common ferns..... per 1,000	1.50
Smilax..... per dozen	1.50@ 2.00
Asparagus... per dozen	6.00@ 8.00

A. H. POEHLMANN,

Wholesale Grower of *Cut Flowers*

All telegraph and telephone orders
given prompt attention.

55 Wabash Avenue, CHICAGO.

Do not hide your light under a bushel.
Tell the people what you have for sale.

J. A. BUDLONG,

WHOLESALE GROWER OF

Cut Flowers

ROSES AND CARNATIONS

A SPECIALTY.

37-39 Randolph St., CHICAGO, ILL.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention
paid to shipping orders.

76 and 78 Wabash Avenue,

Phone Main 3208.

CHICAGO.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.
 Sole Agents for FREYSTEDETS' Immortelle Letters and Emblems. Block Letters, \$2 per 100. Script Letters, \$4 per 100.
 Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES. Acknowledged by all florists the best in use. Special prices for doz. lots.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade
 With Highest Grade
**ROSES, GARNATIONS,
 CHRYSANTHEMUMS,
 VIOLETS** and all flowers the
 Boston market affords.

PRICES RIGHT AND PACKING PROPERLY DONE.

N. F. McCARTHY & CO.,
 Tel. 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing

Geo. A. Sutherland, Boston Flowers.
WHOLESALE DEPOT FOR
All Florists' Supplies,
 67 BROMFIELD ST.,
 BOSTON, MASS.
 Price lists mailed.

JNO. H. DUNLOP,
CHOICE Cut Flowers
 All orders receive most careful attention.
 TORONTO, ONT., CANADA.
 Six pr 234 Am Florist Socy, New York City.

H.G. BERNING
Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.
 Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

The Cincinnati
Cut Flower Co.,
 416 Walnut St., CINCINNATI, O. **WHOLESALE FLORISTS.**
 Consignments Solicited.
 Special Attention Given to Shipping Orders

Try The New Flower Commission House.
WATERBURY & CO.,
 48 West 30th Street, New York City.
 CORRESPONDENCE WITH GROWERS SOLICITED.

Wholesale Flower Markets

PHILADELPHIA, Nov. 28.

Roses, Tea.....	2.00@ 4.00
" " extra.....	6.00@10.00
" Beauty, extra.....	20.00@30.00
" " firsts.....	8.00@15.00
Carnations.....	1.00@ 1.50
" fancy.....	2.00
Lily of the valley.....	3.00@ 5.00
Chrysanthemums.....	5.00@20.00
Violets, single.....	.25@ .75
" double.....	.50@ 1.00
Asparagus.....	35.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00

BUFFALO, Nov. 29.

Roses, Beauty.....	10.00@30.00
" " Bride, Bridesmaid, Meteor.....	3.00@ 7.00
" " Kaiserin.....	6.00@ 7.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Asparagus.....	50.00@75.00
Chrysanthemums.....	10.00@20.00
Violets.....	.40@ 1.00

Boston, Nov. 27.

Roses, Beauty, extra.....	25.00@50.00
" " medium.....	12.00@20.00
" " culls.....	5.00@ 8.00
" " Bride, Bridesmaid, Meteor.....	6.00@ 8.00
" " extra.....	12.00@ 20.00
" " Kaiserin, Carnot.....	8.00@12.00
Carnations.....	2.00@ 3.00
" " extra.....	3.00@ 4.00
Paper White narcissus.....	2.00 @ 3.00
Lily of the valley.....	2.00@ 4.00
Chrysanthemums.....	4.00@20.00
Violets.....	.75@ 1.50
Adiantum.....	.75@ 1.00
Smilax.....	8.00@12.00
Asparagus.....	50.00
" Sprengerii, .20@ .25 per bunch	

Woodroffe & Bernheimer,
Wholesale Florists
 1604 LUDLOW STREET,
 PHILADELPHIA
 Phone 1-42-69-A.
 Consignments Solicited.
 Please mention the American Florist when writing.

LEO. NIESSEN,
Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 PHILADELPHIA, PA.
 LONG DISTANCE PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-28 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
Wholesale Florist,
 17 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

...GEO. M. KELLOGG...
 Largest Grower of... in the West. **Cut Flower**
 Give us an order and we will please you.
 Our Greenhouses at PLEASANT HILL, MO
 Our Store, 906 Grand Ave., KANSAS CITY, MO.
 LONG DISTANCE PHONE AT EITHER PLACE

JOHN B. FERGUSON,
Wholesale Florist,
 NO. 6 DIAMOND MARKET SQUARE,
 PITTSBURG, PA.
 Consignments of Roses, Carnations and Violets Solicited.
 Please mention the American Florist when writing.

GIVE US A TRIAL WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Com mission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

GROWERS are BEGINNING to APPRECIATE
 The advantage of a DIRECT OUTLET for their flowers in the vast residential district of Greater New York. There are over 150 flower stores in my home territory. Try us. Good returns the year round.
A. H. LANGJAHR, 19 Boerum Place, Brooklyn, N. Y.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.

Telephone No. 1998 Madison Square.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.

Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Telephone 2200
Madison Square.

57 W. 28th. St., NEW YORK CITY.

....LIBERTY, BEAUTY AND OTHER CHOICE STOCK....

BEST IN THE COUNTRY.

JOHN YOUNG

Has the best BEAUTIES, CARNATIONS, VIO-
LETS AND VALLEY in New York.

TRY A SHIPMENT OR TWO.

All Choice Flowers daily.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets Carnations.

GROWERS and BUYERS make a note of this. It
will be to your advantage.

WM. H. GUNTHER,

... 30 West 29th Street.

New Telephone No. 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange, **NEW YORK.**
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. **NEW YORK CITY.**

TELEPHONE 733-18th.

Choiceest Stock Shipped on a Commission.

Rose, Violet and Carnation Growers,
Consign to

M. A. HART,

44 W. 29th St., **NEW YORK CITY.**

Choice Carnations.

Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Nov 27.

Roses, Beauty, select.....	29.00@40.00
" " medium.....	8.00@15.00
" " culls.....	3.00@ 5.00
" Bridesmaid, Bride, Meteor	4.00@ 6.00
" " select.....	8.00@12.00
Carnations.....	1.00@ 2.00
" fancy.....	3.00@ 5.00
Lily of the valley.....	3.00@ 5.00
Cattleyas.....	40.00@50.00
Dendrobium formosum.....	20.00@25.00
Chrysanthemums.....	4.00@ 8.00
" selected blooms.....	12.00@20.00
" finest.....	35.00@40.00
Smilax.....	10.00@12.00
Asparagus.....	25.00@40.00
" Sprengerii, per doz. bun.	.75@1.00
Adiantum.....	.50@ .75
Violets.....	1.00@ 1.75
" special.....	2.00@ 2.50
Paper White narcissus.....	2.00@ 3.00
Gardenias.....	10.00@12.00
Cypripediums.....	8.00@10.00

**Headquarters of the Hustler
CHAS. MILLANG,
WHOLESALE**

Commission Florist

50 West 29th St., NEW YORK.
Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.

GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,
52 W. 29th Street. NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th. **NEW YORK.**

CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

**GEORGE SALTFORD,
Violets**

.... Wholesale....
Commission Dealer in

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.

.... Wholesale Florists

111 West 30th Street, **NEW YORK.**

BIG FRAGRANT VIOLETS. Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,

Wholesale Commission Florist
and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street. NEW YORK.
Telephone 133 Madison Square.
Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates

M. A. HART,

44 W. 29th St., NEW YORK CITY.

You Can Make Money
By Dealing With

J. K. ALLEN,

The Busiest Wholesaler
in New York.

Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq.

106 West 28th Street.

Season Open

EDW. C. HORAN,

*Special in
Roses:*

Violets

'Mums

Gardenias

47 WEST 28TH ST.,

Tel. 421
Madison Square,

....NEW YORK.

CUT FLOWERS AT WHOLESALE.

Liberty, Pres. Carnot,
Kaiserin, Meteor,
Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

GERMAN mangel wurzel seed has gone down in price of late.

L. W. WHEELER, of Vaughan's Seed Store, New York, is making a southern trip.

ALASKA peas, in strong demand from canners, are reported worth \$4.50 to \$5 per bushel.

IRA M. HARRIES, of the Goodwin-Harries Co., has returned to his home in a Chicago suburb after a season in the Sturgeon Bay seed district.

The high price for lycopodium has so weakened the consciences of some shippers that they have violated their contracts and sold out to higher bidders who have apparently been willing to bid up for the stock, even when knowing that it was already sold under contract.

VISITED CHICAGO: H. C. Agnew, of Agnew, and F.A. Hunter, of the Cox Seed Co., San Francisco, Cal.; D. Carmichael, representing J. M. McCullough's Sons, Cincinnati, O.; Mr. Cole, representing the Livingston Seed Co., Columbus, O.; Mr. Betscher, of Betscher Bros., Canal Dover, O.

TOPEKA, KANS.—George Skinner has received a carload of glass with which to glaze his new vegetable houses.

MONMOUTH, ILL.—Thomas Hewitt has been giving a chrysanthemum show at his greenhouses this week and had many visitors.

FORT DODGE, IA —P. L. Larson has been giving a chrysanthemum show at his greenhouses, displaying nearly 100 varieties.

1901 Specialties . . .

Asters Daybreak, Purity and Branching Comet...

Cabbage Novelty..

20th Century Earlier than the Wakefield, as solid as Danish Ballhead.

Write for prices and description. Half-tone cuts for catalogue purposes.

JAMES VICKS' SONS, ROCHESTER, N. Y.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Ont, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Sable, Alfalfa, Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

GALAX LEAVES!

J. L. BANNER & CO., Montezuma, N. C.

CHRYSANTHEMUM Col. D. Appleton

This variety, which we introduced last spring, has proved to be a prize-winner in every respect, and is undoubtedly the finest yellow chrysanthemum grown today, either for commercial purposes or for exhibition. If you failed to secure a stock of it last spring, let us hook your order at once, while you think of it, for a stock of this for next year. This is not a variety that can only be grown by experts, but it is one of the healthiest growers and the most easily grown of all the varieties. It is a wonderfully healthy grower, with the most perfect foliage, and can be grown to perfection under ordinary culture; it is as easily grown as any variety that we know of. It has a magnificent flower of large size, and meets all the requirements of a commercial and exhibition sort. Let us hook your order at once for spring delivery. We can furnish fine plants of the true stock. Plants ready February 1, 1901. Price \$8.00 per 100.

LILY OF THE VALLEY has now arrived, and we have filled all orders in hand and have a small surplus. Advices from Europe are to the effect that the crop runs very much shorter than expected and that prices have advanced, and it is doubtful if all orders will be filled in full. If you have not already secured your supplies we would advise you to place your order without delay.

We offer extra quality three-year-old German pips, first-class quality—\$22.50 per case 2500 pips; in smaller quantities, \$10.00 per thousand. Our Pierson's Premier is a fine selected Valley for those who want a superior article at a moderate price. This is a grade that will sell largely. \$27.50 per case, 2500 pips; in smaller quantities, \$12.50 per thousand. Pierson's Perfection, an extra selected grade for those who desire the very finest Valley obtainable, and a grade that should be used for very early forcing. No better Valley can be supplied than this grade. It will produce the largest spikes, with the greatest number of balls, and will give the very largest percentage of first-class flowers; can be forced earlier than any other quality. \$32.50 per case 2500 pips; in smaller quantities, \$15.00 per thousand. We are also in receipt of our importations of

SPIRAEA. Stock is in fine shape. We have a small surplus, and offer it as long as unsold at the following prices:

- Extra fine, strong clumps especially grown for forcing.
- JAPONICA.....\$8.00 per case 250 clumps; less quantities, \$4.00 per 100.
- COMPACTA MULTIFLORA..... 9.00 per case 250 clumps; less quantities, 4.50 per 100.
- ASTILBOIDES FLORIBUNDA.... 9.00 per case 250 clumps; less quantities, 4.50 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Please mention the American Florist when writing.

Bulb Prices that will interest you.

- Lilium Auratum, 7 to 9, at \$4.00 per 100.
- Lilium Rubrum, 7 to 9, at 4.00 per 100.
- Lilium Album, 7 to 9, at 5.00 per 100.

Superfine Single Mixed TULIPS, per 100, 75c; per 1000, \$6.50. Freesia Refracta Alba, 40c per 100, \$3.00 per 1000. Chinese Sacred Lilies, per basket (30 bulbs), \$1.25; per mat (120 bulbs), \$1.75. Ixias, mixed, 10c per dozen; 40c per 100; \$3 per 1000. Narcissus Double Von Sion (double nosed bulbs), extra, \$1.60 per 100; \$15.50 per 1000. Write for Prices on SWEET PEAS for forcing.

JOHNSON & STOKES, Seedsmen, - 217-219 Market Street, PHILADELPHIA, PA.

BULBS! BULBS! BULBS! White Romans, 12-15, at \$1.60 per 100. Double Nosed Von Sion (large) \$2.00 per 100. Paper Whites, large size, @ \$1.00 per 100. Harrisii, 5-7, at \$5.00 per 100; 7-9 at \$10.00. Lilium Longiflorum, large flowering, 7-9, at \$7.00 per 100. Special prices on Dutch Hyacinths and Tulips.

THE VAIL SEED CO., Indianapolis, Ind.

FRESH FERN SPORES.
WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.
EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

FOR THE HOLIDAYS NOW READY

Japanese Fern Balls.... TRUE LONG-LEAVED VARIETY.

You will find a ready sale for them. PER DOZ. \$4.00; PER 100 \$30.

VAUGHAN'S SEED STORE, CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

LILIUM AURATUM.

Sizes 8-9 and 9-11 on hand. Price on application.....

SUZUKI & IIDA, 11 Barclay St., New York.

WHERE are you going to buy your Holly? Our stock is ready for shipment. Sample 10 pound box, \$1. Send for it. It's strictly fine. Caldwell The Woodsman Co., Evergreen, Ala. P. S. We also sell some Wild Smilax.

Tell them where you saw the ad.

ESTABLISHED 1802

THORBURN'S SEEDS

SURPLUS AT REDUCED PRICES:

- LILIUM LONGIFLORUM, JAPAN. 1000
- 6 to 8-inches.....\$24.00
- 7 to 9 " "..... 34.00
- White Italian Hyacinths, largest size..... 8.00
- Spiraea Japonica clumps..... 28.00
- " " compacta multiflora..... 40.00

J. M. THORBURN & CO. (Late of 15 John Street) 36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

McKellar & Wintererson

Wholesale Dealers in Everything for Florists.

CUT FLOWER PRICES.

Week ending Saturday, December 8.

Roses, Am. Beauties, select, per doz.,	\$4.00 to \$5.00
" " " medium, " "	2.00 to 3.00
" " " short, " "	1.00 to 1.50
" " " " " " "	4.00 to 6.00
" " " " " " "	4.00 to 7.00
" " " " " " "	3.00 to 4.00
" " " " " " "	3.00 to 5.00
" " " " " " "	3.00 to 4.00
" " " " " " "	2.00 to 3.00
" " " " " " "	1.50 to 2.00
" " " " " " "	1.00 to 1.50
" " " " " " "	20.00 to 25.00
" " " " " " "	10.00 to 15.00
" " " " " " "	6.00 to 8.00
" " " " " " "	6.00
" " " " " " "	1.50 to 2.50
" " " " " " "	5.00 to 25.00
" " " " " " "	5.00 to 25.00
" " " " " " "	1.00 to 2.00
" " " " " " "	.50 to 1.00
" " " " " " "	4.00 to 5.00
" " " " " " "	1.50
" " " " " " "	2.00 to 3.00
" " " " " " "	3.00 to 5.00
" " " " " " "	.60 to 1.00
" " " " " " "	3.00
" " " " " " "	3.00 to 4.00

DECORATIVE STOCK.

Ferns, Adiantum, per 100,	\$.50 to \$1.00
" " " " " " "	.20
" " " " " " "	1.50
Ivy Leaves, fancy, per 100,	50c
" " " " " " "	4.00
Galax Leaves, fancy, per 100,	15c
" " " " " " "	1.25
Leucothoe Sprays, per 100,	75c
" " " " " " "	6.00
Smilax, extra select, per doz.,	2.00 to 3.00
" " " " " " "	12.50 to 15.00
Asparagus Plumosus, select strings,	per doz., 6.00 to 8.00
Asparagus Plumosus, sprays, per bunch,	50c to .75
" " " " " " "	.25c to .75
Wild Smilax, No. 1 contains 15 lbs.,	per case, 2.00
" " " " " " "	2.50
" " " " " " "	3.00
" " " " " " "	4.00
" " " " " " "	5.00
" " " " " " "	6.00

Prices subject to change without notice.

Poinsettias for Christmas.

Extra select, longest stems, largest	flowers, per doz., \$4.00 to \$5.00
Extra select, fancy stock, " "	3.00 to 3.50
Good grade, " " " " " "	2.00 to 2.50
Ordinary and smaller flowers, " "	1.00 to 1.50
Extra select, fancy stock, " "	per 100, 25.00

Order now and secure finest stock at right prices. You cannot afford to be without Poinsettias for Christmas trade.

"We originate."
"Others Imitate"

IMITATION is the most sincere flattery.

Florists' Auctioneers.

XMAS GOODS--ALL KINDS.

We are booking orders on all the following goods for immediate and later delivery. We guarantee our prices as low as any reputable house:

Select Delaware Holly, per case,	\$ 4.50
" " " " " " "	5 cases, 20.00
Bouquet Green, scarce. Write or telegraph	for prices.
Bouquet Green Wreathing, per 100 yds.,	\$4 to 5 00
" " " " " " "	Holly Wreaths, Green Wreaths, Mistletoe, Wild Smilax, Xmas Trees, Needle Pines.
Cape Flowers, white, per lb.,	\$1 00
" " " " " " "	all colors, " " " " " " " "
" " " " " " "	1.50
Immortelles, yellow, per doz. bunches,	2.25
" " " " " " "	all other colors, " " " " " " "
" " " " " " "	2.50

Place orders early with us and receive the best stock in the market.

SUPPLIES, ETC., ETC.

Sphagnum, burlap bales, each, \$1; 6 for	... \$ 5.00
" " " " " " "	wire pressed, " " " " " " "
" " " " " " "	75c; 6 for ... 4.00
Tobacco Stems, fresh, 200 lbs. for,	1.50
Preserved Cycas Leaves, assorted, 24 inches	and up, per 100, 15.00
Cape Flowers, white, per lb.,	1.00
" " " " " " "	colored, " " " " " " "
" " " " " " "	1.50
Tissue Paper, manilla, per ream,	.50
" " " " " " "	white, " " " " " " "
" " " " " " "	1.00
Wax " " " " " " "	manilla, " " " " " " "
" " " " " " "	white, " " " " " " "
" " " " " " "	2.00
Doves, first quality, each, \$1.00; per doz.,	10.00
" " " " " " "	second " " " " " " "
" " " " " " "	.85; " " " " " " "
" " " " " " "	9.00
Rubber Aprons, each, \$1.50; per doz.,	15.00

Full stock of all Supplies, including Ribbons, Tin Foil, Toothpicks, Baskets, Wheat Sheaves, Bouquet Pins, Immortelles, Flower Vases, Jardinieres, Artificial Palms, etc.

SEND FOR COMPLETE CATALOGUE.

FLORISTS' RIBBONS

FOR CHRISTMAS TRADE.

Some of the colors we supply are: American Beauty, Bridesmaid, Meteor, Holly-Berry, Lavender, White, Cream, Purple, Green, Yellow, Orange, Lilac, Pink, Violet, Black, and all the different shades of leading colors. Send us your order now. You cannot duplicate this quality of Ribbons for less than 20% higher prices.

No. 2	No. 5	No. 7	No. 9	No. 12	No. 16	No. 22	No. 30	No. 40	No. 60
25c	45c	60c	75c	90c	\$1.10	\$1.30	\$1.65	\$1.75	\$2.00

The prices quoted are for ten-yard bolts.

McKELLAR & WINTERSON,

45-49-49 Wabash Ave.

CHICAGO, ILL.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, FLORISTS
To Her Majesty,
ROYAL EXOTIC NURSERY,

TELEGRAMS, Onslow Crescent, South Kensington,
FLOREULO, LONDON. LONDON, ENGLAND.

GERANIUM AMERICA

A Queen Among Geraniums.

Color: From purest white to deepest rose.
Dwarfness: "Just right."

Floriferousness: Astonishing.

Strong Plants, \$8 per 100, 25 at 100 rates. Ready now.
HENRY EICHHOLZ, Waynesboro, Pa.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.



AZALEA INDIGA

Just received a large shipment, and they turned out to be finer than ever before. The varieties are: Mme Van der Cruysen, B. A. Alba, Simon Mardner, Veraneana, Empress of India, Emperor of Brazil, Prof. Waters, Niobe, Deutsche Perle, etc.

8-10 inches diameter, Doz.,	100	1000
9-11 " " " " " " "	3.50	\$27.50 \$250.00
10-12 " " " " " " "	4.00	30.00 285.00
12-14 " " " " " " "	4.50	35.00 325.00
14-16 " " " " " " "	6.00	42.50 400.00
16-18 " " " " " " "	7.00	55.00 525.00
" " " " " " "	12.00	90.00

Large plants, \$1.25, \$1.50, \$2.00, \$3.00 each.

Araucaria Excelsa 3-4 tiers, doz., \$9; 100, \$85.
4-5 tiers, doz., \$12; 100, \$90.
These are extra fine plants, well furnished.

Hydrangea Otaksa Strong plants \$15.00, \$20.00,
\$25.00 per 100.

Kentia Belmoreana and Forsteriana
\$12, \$15, \$18, \$24 per doz. Extra fine stock.

BOBBINK & ATKINS. Rutherford, N. J.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Crimson Rambler Roses

with fibrous roots, just the kind for forcing.

\$12.00 per 100. Large size, \$15.00.

The CONARD & JONES COMPANY,
West Grove, Pa.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSEYMEN.
THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE California orchardists are lauding Luther Burbank's new Climax plum to the skies.

IRVING ROUSE says that in the Rochester district there is a decided shortage in two-year Kieffer, Bartlett and other standard sorts of pears, apples and cherries.

Geo. C. ROEDING, of the Fancher Creek Nursery, Fresno, Cal., is meeting with encouraging success in his experiments in fig growing. He has 4,200 trees from ten to fourteen years old.

THE Russian mulberry is coming into high favor for fence posts, and Donaldson & Gibson, of Warsaw, Ky., recently shipped 150,000 young trees to Shenandoah, Ia., to be planted and grown into posts.

Albany, N. Y.

CHRYSANTHEMUM DISPLAY AT WASHINGTON PARK—STATE OF TRADE.—DRUMMERS COMING.—VISITORS.

The bureau of parks of the department of public works closed, November 26, the chrysanthemum exhibition which for the previous two weeks had been held in the lake house, Washington Park. It is a fact to be regretted that the attendance was not so great as it might have been, the inclement weather being a large factor in the cause. The display was quite creditable. There were 450 plants comprising some 255 varieties on exhibition. Most of the plants were of the standard varieties which have been known to the trade for the past two or three years.

Business so far this season has been very good. Next week the social season will begin with one or two balls for the debutantes. This with the approach of the holidays and the convening of the legislature in the first week in January will keep the trade ball rolling merrily for the next six weeks. The recent election brought a number of new members into both branches of the legislature and the custom is for the friends of a new member to place on his desk at the opening of the legislature some handsome floral pieces.

The demand this season has been confined largely to chrysanthemums, the favorites being Golden Wedding and Chadwick, which are very popular with the public. Next to chrysanthemums rank violets and roses, the demand for the latter being confined in a measure to American Beauty.

The drummers for the large supply houses in New York, Philadelphia and Chicago have sent out advance notices to the trade here that they will be on hand to book orders for Christmas green and supplies within a few days.

E. Holly and R. W. Allen, who are extensive growers at Hudson, were in town Saturday and visited several of the local florists.

Bay City, Mich.

VISIT TO GROWERS WHOSE ESTABLISHMENT IS A RECENT DEVELOPMENT.—MODERN HOUSES AND UP TO DATE STOCK.

The Boehringer Brothers are growing growers. Their recent growth consists of two magnificent houses, one 25x100 for carnations, the other 12x100, for violets. There is certainly nothing slow

about the Boehringers. Having embarked in the flower business about seven years ago, they have built up a plant, consisting of ten modern, well equipped houses, and comprising about 22,000 feet of glass. Among the various improvements about their place, the one most noteworthy is the introduction of the tiled benches and solid beds. As compared with the rickety benches, requiring annual repairs and overhauling, which are still in vogue, though happily fast disappearing, the brick walled beds and tiled benches are a great improvement.

The Boehringer Brothers have about thirty seedling carnations, scarlet predominating. Among these I noticed four, which are decidedly promising, and two crimson which may rank among the best of their color. There are also a few

white ones and several striped or "fancies," that will require at least one more season to determine their merits. On the whole their seedlings look well and are quite interesting.

Their general stock is all that can be desired, chrysanthemums being plentiful and selling well. With ten well stocked houses, a brisk business and a bright outlook, the Boehringer Brothers have no cause for complaint.

WABASH, IND.—J. E. Cochran, of Elwood, has purchased the D. W. Fowler greenhouse.

GALENA, ILL.—Benjamin F. Vandervate attracted a great many people to the Schmohl building November 8 to 10 by a free chrysanthemum show.

.. THE ..
KENNICOTT
BROS. CO.

THE indications are that there will be no surplus of good roses or high grade carnations in the next few days. We bill all stock at market rates regardless of prices quoted but offer the following as our judgment of what prices will be.

	Per 100.
Beauties, long.....	\$30.00 to \$40.00
" medium.....	18.00 to 25.00
" short.....	8.00 to 12.50
Brides, Maids.....	4.00 to 6.00
Meteors.....	4.00 to 6.00
Perles.....	3.00 to 5.00
Roses, our selection.....	3.00
Carnations.....	1.25 to 1.50
" named vars.....	2.50 to 4.00
Violets.....	1.25 to 1.75
Valley and Romans.....	4.00 to 5.00
Narcissus.....	3.00 to 4.00
Stevia.....	1.50 to 2.00
Yellow Daisy.....	.75 to 1.00
Adiantum.....	.75 to 1.00
Chrysanthemums,	
Fancy, per doz.....	2.00 to 3.00
Medium, ".....	1.25 to 1.75
Common Ferns, selected, per 1000,	2.00
Smilax.....per doz., \$1.25 to	1.50
Asparagus.....	6.00
Leucothoe Sprays, per 100, 75c to	1.00
Galax, Green.....per 1000,	1.50
Mahonia Leaves.....per 100,	1.00

KENNICOTT BROS. CO.,
42 and 44 E. Randolph St.,
CHICAGO.

A WORD TO THE GROWERS OF
CARNATIONS.

We have sold the cut of IRENE, a pink carnation, and consider it one of the best commercial sorts we have ever handled. WE ARE NOW BOOKING ORDERS FOR CUTTINGS. Place your orders NOW.
\$1.50 per doz, \$10 per 100, \$75 per 1000.

CUT FLOWERS.

ROSES CARNATIONS AND CHRYSANTHEMUMS, regular or special supply. First-class stock at lowest wholesale prices.
W. H. CULLETT & SONS, Lincoln, Ill.



CLEMATIS Large-flowering, in twelve (12) distinct kinds; potted now and put in cold house will make flowering plants for spring sales—INDISPENSABLE FOR FLORISTS.

Jackmanni purple; Belle of Woking, double blush; Duchess of Edinburgh, double white; Marvel, snow white; Henryii, white; Superba, mauve purple; Gen. Grant, crimson; Princess, blue and white; Ramona, lavender; Duke of Norfolk, blue; Mad. Ed. Andre, red; Countess of Lovelace, double lavender.

Stroug, one year, grown in 4-inch pots, \$1.25 per dozen; \$10.00 per 100.
Five, two year plants, plenty of fibrous roots, \$2.00 per dozen; \$16.00 per 100. .25 at 100 rates.

F. A. BALLER, Bloomington, Ill.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches;
Otakea, Red Branched, Thos. Hogg,
PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, N. J.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.



NEPHROLEPIS WITTBOLDII.

Wittbold's Offer of Choice Decorative Plants.

TO INSURE the safe arrival of plants customers should give route by which shipments are to be made and at the same time notify the agent at destination to place box in a warm room until consignee can be notified of its arrival. Although boxes in which plants are shipped are lined, they will not stand exposure in freezing weather and should be well wrapped in blankets if taken out in unheated wagon. The following quotations are extra good value:

Kentias==Latantias

Varieties	Size Pot	Height Inches	No. Leaves	Per Each	Per Doz.	Per 100	Per 1000
Kentia Belmoreana	2 1/4	8 to 9	3 to 4	\$ 1.50	\$12.00	\$100.00	
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25	3.00	30.00	180.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	5.00	50.00	300.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	72.00	600.00
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00	120.00	900.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	125.00	
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00	
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00	
Kentia Forsteriana	2 1/4	8 to 9	3 to 4	1.50	12.00	100.00	
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00	30.00	180.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	72.00	600.00
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00	120.00	90.00
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	125.00	
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00	
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00	
Latania Borbonica	2 1/4		3	.60	5.00	40.00	
Latania Borbonica	3	12	5 to 6	1.00	8.00	75.00	
Latania Borbonica	3 1/2	12 to 15	5 to 6	.15	1.50	12.00	100.00
Latania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00	175.00
Latania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00	300.00
Latania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00	
Latania Borbonica	6	extra strong		.75	9.00	75.00	
Areca Lutescens	2 1/4	5 to 6	3 plants in pot		8.00		
Areca Lutescens	3 1/2	12 to 14	3	"	2.00	15.00	
Areca Lutescens	4	15 to 18	3	"	.25	3.00	25.00
Areca Lutescens	6		3	"	.75	9.00	75.00

..Asparagus..

	Size Pot	Doz.	Per 100
Asparagus Plumosus Natus	4-inch	\$ 1.50	\$12.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	6-inch	5.00	
Asparagus Sprengerii	8-inch	10.00	

The several sizes of Asparagus Sprengerii are especially strong and large value.

Miscellaneous.

	Pot Height	Leaves	Each	Doz.	Per 100
Araucaria Excelsa	4-inch	nice plants		\$.50	
Araucaria Excelsa	4 1/2-inch	nice plants		.75	
Araucaria Excelsa	5-inch	nice plants		1.00	
Ficus Elastica	6	22 to 23	12 to 14	\$.75	\$ 7.20 \$60.00
Ficus Elastica	7	24 to 28	14 to 16		10.00 75.00
Pandanus Urtilis	2 1/4	6 to 8	10 to 12		1.00 8.00
Pandanus Urtilis	3	8 to 10	12 to 15		2.00 15.00
Pandanus Veitchii	7	strong		2.25	27.00
Pandanus Veitchii	8	strong		3.00	36.00
Dracena Terminalis	3 1/2				2.00
Dracena Terminalis	4				4.00
Dracena Terminalis	5				6.00
Cocos Weddelliana	3			.25	2.00 15.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50	
Phoenix Reclinata	3		4 to 6		1.50 10.00
Phoenix Canariensis	3		4 to 6		1.50 10.00
Aspidistra Lurida	4				3.00
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00
Corypha Gebanga	3	12	5 to 6		3.00
Sansevieria Java Var.	2-inch	strong plants		dozen	.60
Sansevieria Java Var.	3-inch	strong plants		"	1.25
Sansevieria Java Var.	4-inch	strong plants		"	2.00
Peperomia Argyreia (Saundersii)				"	2.00
Peperomia Alata				"	2.00
Maranta Kerchoviana	3 1/2-inch			"	2.00
Zingiber Officinale	Ginger Plant	4-inch		"	2.00
Zingiber Officinale	5-inch			"	3.00
Curculigo Recurvata	4-inch			"	2.00
Curculigo Recurvata	5-inch			"	4.00
Cyperus Alternifolius	5-inch			"	1.50

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Serrulata	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtium Falcatum	3-inch	1.00	8.00
Cyrtium Falcatum	4-inch	1.50	10.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Bostoniensis	5-inch	4.00	
Nephrolepis Bostoniensis	6-inch	6.00	
Nephrolepis Bostoniensis	7-in. pans	9.00	
Nephrolepis Cordata Compacta	5-inch	2.00	15.00
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

NEPHROLEPIS WITTBOLDII, strong plants, ready for 3 and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place, CHICAGO, ILL.

500,000 VERBENAS.

60 finest named varieties, including our NEW MAMMOTH WHITE, "MRS. MCKINLEY." The finest white verberna grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; \$5.00 per 1000. Plants, \$2.50 per 100; \$20 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

Beautiful Ferns

DAVALLIOIDES FURCANS, BOSTONIENSIS and WASHINGTONIENSIS, from 8-in. pots, with two to four feet long fronds, at \$1.00 each; \$10 per dozen. For other choice and rare plants, see my adv., page 518 of this paper, or write for a copy.

N. STUDER, ANACOSTIA, D. C.

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St. Chicago

PANSIES

THE JENNINGS STRAIN.

Best standard plants, finest mixed, 60 cts. per 100 by mail; \$4.00 per 1000 by express. Seed, \$1.00 package; \$5.00 per ounce. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies, Lock Box 254. SOUTHPORT, CONN.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarandon Ave., CHICAGO, ILL. (N. Halsted St.)

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Field-Grown VINGA VAR. VINES

Per 100 First size, from 4 to 6 long vines to plant..... \$4.00 Large size, " 7 to 10 " " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

NEXT CENTURY'S BUSINESS

can be started now by advertising in this journal. Don't delay in commencing next year's business. The best orders are placed early with advertisers in

TRY THIS PLAN.

THE AMERICAN FLORIST

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The special meeting of the Florists' Club interfered somewhat with the bowling on Monday evening, November 26, but there were a few enthusiasts who couldn't be enticed away from the alleys by any special meeting and these worked hard and faithfully, being joined at a late hour by a small delegation from the club meeting. Scores were as follows:

Player	1st	2d	3d	4th	5th
Burns.....	161	162	163	129	122
Hafner.....	173	141	148	180	150
Siebrecht.....	134	139	132	109	112
Lentz.....	142	143	122	158	146
Lang.....	137	211	155	164	153
Lasber.....	150	147	143		
Schenck.....				96	105
O'Mara.....				101	149
Stewart.....				125	103
Traendly.....				146	
Don.....				131	
Herrington.....				113	
May.....				153	
Duckham.....				95	

At Flatbush.

The feature of the bowling on November 22 was the visit of New York's sturdy champion, Theodore Lang, who came over to have a little fun and incidentally to show his Flatbush friends where the middle of the alleys was to be found. The following scores show what he did to them:

Player	1st	2d	3d
Riley.....	138	158	183
A. Zeller.....	116	138	94
Raynor.....	108	135	108
H. Daillidouze.....	128	130	157
C. Zeller.....	61	78	115
E. Daillidouze.....	138	163	166
Schmutz.....	116	149	145
P. Daillidouze.....	98	132	144
Wocker.....	121	87	120
Woenner.....	115	104	
Lang.....	199	194	

At St. Louis.

There is quite a little interest in the bowling practice and new faces are seen on the alleys at almost every meeting. Some of the new members are making

great strides. Here are the scores for November 26:

Player	1st	2d	3d	Av
C. A. Kuehn.....	179	163	168	170
J. J. Beneke.....	172	120	184	159
Wm. Adels.....	113	194	159	155
F. C. Weber.....	143	159	157	153
Chas. Kunz.....	146	161	134	147
C. C. Sanders.....	127	152	114	131
R. J. Mohr.....			108	118
Martin Reukauf.....	82		92	87
K. O. Miller.....	100	67	91	86
F. M. Ellis.....		122	101	74

With Chicago Gunners.

Several Chicago florists participated in a shoot at Bowmanville on Thanksgiving day. The match was at fifteen live birds from secret traps. Following is the score:

Peter Reinberg.....	14	Matt Everett.....	8
Adam Zender.....	11	Wm. Gelz.....	7
Henry Wiator.....	10	Walter Baxter.....	7
F. B. Everett.....	10		

At West Hoboken.

The North Hudson Florists' Club was

responsible for the following scores on the evening of November 21:

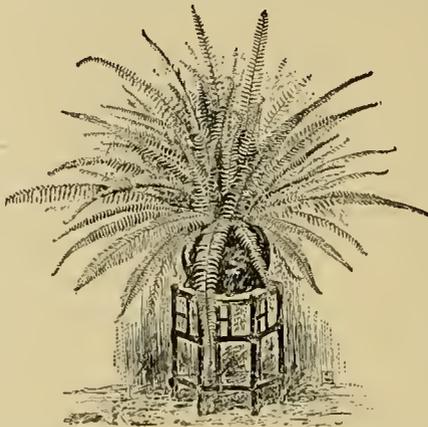
Player	1st	2d	3d	4th
M. Hansen.....	153	133	170	173
Hillebrecht.....	128	121	120	104
Grundman.....	124	104	102	110
L. Hansen.....	131	150	118	169
Kogge.....	141	152	132	155
Brown.....	206	145	159	176
Tschupp.....	116	81	92	107

RHINELANDER, Wis.—Peter Philip is completing a residence adjoining his greenhouse. In the spring he intends building a rose house.

MINNEAPOLIS, MINN.—The greenhouses of R. J. Mendenhall were damaged to the extent of \$5,000 by a fire which occurred on the morning of November 21.

BANGOR, ME.—The annual flower festival here under the auspices of the Universalist church was held on Thursday and Friday, November 21 and 22 at City Hall and was an unparalleled success. The decorations of the hall by Carl Beers were excellent.

CHEAP TO CLOSE OUT.



Boston Ferns, the true variety, from 2½-in. pots, \$3 per 100, \$25 per 1000. Don't be afraid that our stock of Boston Ferns will run out. We have sold 75,000 the past six weeks, but still have 125,000 fine plants on hand. Better buy now, as price is sure to advance.

Asparagus Sprengeri, from 2½-in. pots, \$2.50 per 100, \$20 per 1000.

Acalypha Sanderi, from 2½-in. pots, fine plants, \$3 per 100, \$25 per 1000.

Acalypha Sanderi, from 3-in. pots, strong plants, \$5 per 100.

Crotons, 12 best bedding varieties, from 2¼-inch pots, elegant plants, \$3 per 100, \$25 per 1000. These will be fine to shift on for next year's bedding.

Ponderosa Lemon, largest Lemon grown, bears fruit weighing two pounds and over, and fruits when quite small. Is bound to become a popular plant. Fine plants from 2½-in. pots, \$1 per doz., \$7 per 100. Extra strong plants ready to bloom at once, \$1.50 per doz.

Calla Lilies, 1½ to 1½-in. diameter, 750 per dozen, \$5 per 100.

Calla Lilies, 1½ to 1½-in. diameter, \$1.25 per dozen, \$7 per 100.

The two new Russelias, Lemeinei Multiflora and Lemeinei Elegantissima, 50c per doz., \$3 per 100.

Bougainvillea Sanderiana, from 2½-inch pots, \$6 00 per 100, \$18.00 per 1000.
 Weeping Tantas, 2½-inch pots, \$2 00 per 100, \$18.00 per 1000.
 Otahere Orange, from 2½-inch pots, \$3 per 100, \$25 per 1000; from 3 in. pots, \$4.50 per 100, \$40 per 1000.
 Ficus Elastica, perfect specimens of this fine Rubber Plant, 15 to 18 in. high, \$3.25 per doz., \$25 per 100.
 Araucaria Excelsa, Norfolk Island Pine, fine plants with four tiers of leaves, \$1 each, \$10 per doz.
 March-Niel Rose, 15 inches and over in height, healthy plants \$4 per 100, \$35 per 1000.
 Roses—all the leading varieties of Teas from 4-inch pots, fine plants in perfect health, \$8 per 100. All the leading varieties of Hybrid Teas from 4-inch pots, elegant stock, \$10 per 100.

Send us your list of Roses for quotation. We have 2,000,000 plants in stock. Our Fall Trade List of all kinds of Roses, Plants and Bulbs now ready. Write for it.

The GOOD & REESE CO., LARGEST ROSE GROWERS IN THE WORLD, Springfield, O.

TIME IS MONEY.

TO SAVE TIME AND MAKE MONEY,

Buy your Florists' Supplies of

M. RICE & CO.,

The Acknowledged Leaders.

“New” Adjustable Pot-Cover, “New” Reversible Pedestal,
 Plant Baskets, Stands, Prepared Cycas Leaves, Immortelles,
 Cape Flowers, Moss Wreaths, Our “Famous” Wheat Sheaves,
 Cords and Tassels, etc., etc.

IN FACT, HEADQUARTERS FOR THE NEEDS OF THE FLORIST.

M. RICE & CO., Importers and Manufacturers.

Catalogue for the Asking.

918 Filbert St., PHILADELPHIA, PA.

FIVE REASONS Why You Should Place Your Orders for . . . AZALEAS

With Us at Once

BECAUSE You can still take advantage of the mild weather, and have the plants come through safely by freight.

BECAUSE We are the largest buyers of Azaleas in the world, and make personal inspection of the stocks before they are shipped to us, and buy for spot cash, which enables us to secure the lowest prices, and you the benefit in quality of the plants.

BECAUSE Our importations are all repacked at our own nursery. Plants that have suffered in transit, and which are not well set with buds being discarded, you receive nothing but first-class stock, which is certain to give satisfaction.

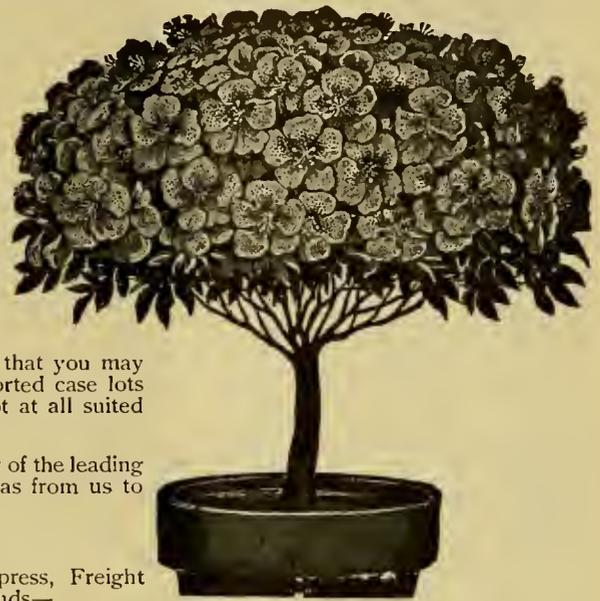
BECAUSE We can give you any special assortment of varieties that you may wish. This is a great advantage over the usual assorted case lots sent over from Belgium, which invariably contain many varieties not at all suited to the American market.

BECAUSE We wish to convince you, as we have convinced many of the leading florists of the United States, that you can buy Azaleas from us to better advantage than if you make your own importations.

...PRICES...

Include duty, packing and delivery in good condition to any Express, Freight or Steamship Line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter.....	per doz.,	\$ 4.50;	per 100,	\$ 35.00
12 to 14 " " " "	"	6.00	"	45.00
14 to 16 " " " "	"	7.50	"	55.00
16 to 18 " " " "	"	12.00	"	90.00
18 to 20 " " " "	"	25.00	"	200.00
20 to 24 " " " "	"	36.00	"	300.00



SPECIMEN AZALEA

REMEMBER we are Headquarters for Hardy Perennials. Our list is the most complete in this country, offering all the good, new and old varieties. Your customers are interested in this class of plants and if you have not secured a supply we shall be pleased to quote special prices on large quantities.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

GRAND OFFER, FINE PLANTS, NONE BETTER.

ARECA LUTESCENS.				
Size pot.	Leaves.	Height.	Each.	Doz.
3-inch	3 to 4	12 inch	.20	\$2.00
4-inch	5 to 6	18 3 in pot.	.30	3.50
5-inch	6 to 7	20 to 24	.60	
6-inch	7 to 8	24 to 30	1.00	
8-inch	8 to 10	36	2.50 to 3.00	

KENTIA BELMOREANA.				
Size pot.	Leaves.	Height.	Each.	Doz.
3-inch	3 to 4	12 inch	\$.20	\$ 2.00
4-inch	5 to 6	15	.50	5.50
5-inch	6 to 7	18	.75	8.50
6-inch	8 to 9	20	1.00	12.00
6-inch	8 to 10	24	Fine bushy plants, \$2.00 ea.	
6-inch	7 to 8	30	2.50 ea.	
6-inch	7 to 8	36 to 40	3.00 ea.	
7-inch	7 to 8	44 to 48	4.50 ea.	

KENTIA FORSTERIANA.				
Size pot.	Leaves.	Height.	Each.	Doz.
3-inch	3 to 4	9 to 10	\$.30	\$ 3.00
4-inch	4	15 to 18	.40	4.00
4-inch	5	24	1.00	10.50
6-inch	5	36	1.50	18.00
6-inch	5 to 6	40	2.75	30.00

LATANIA BORBONICA.				
Size pot.	Leaves.	Height.	Each.	Doz.
3-inch	5 to 6	12 inch	\$.25	\$ 1.50
4-inch	5 to 7	15 to 18	.35	3.00
6-inch	6 to 8	24 to 30	1.00	12.00
6-inch	6 to 8	30	1.50	18.00
6-inch	7 to 8	30	2.00	bushy

COCOS WEDDELIANA.				
Size pot.	Leaves.	Height.	Each.	Doz.
4-inch	12 to 14		\$.25	\$2.50

PANDANUS VEITCHII.				
Size pot.	Leaves.	Height.	Each.	Doz.
5-inch			\$.75	\$ 9.00
6-inch			1.00	12.00

BOSTON FERNS.				
Size pot.	Leaves.	Height.	Each.	Doz.
3-inch			\$.20	\$ 2.00
4-inch			.35	4.00
5-inch			.40	4.50
6-inch			.75	9.00
7-inch			1.00	12.00
8-inch			1.50	18.00
9-inch			2.00	24.00

FICUS ELASTICA.				
Size pot.	Leaves.	Height.	Each.	Doz.
6-inch		24 to 30	\$.50	\$6.00
6-inch		24 to 30	.75	9.00
8-inch		48	1.50 to 2.00	

REX BECONIAS.				
Size pot.	Leaves.	Height.	Each.	Doz.
3-inch			\$.10	\$1.20
4-inch			.15	1.75

ASPARACUS SPRENCERII.				
Size pot.	Leaves.	Height.	Each.	Doz.
6-inch			\$.35	\$ 4.00

DRACÆNA INDIVISA.				
Size pot.	Leaves.	Height.	Each.	Doz.
5-inch			\$.35	\$ 4.00
5-inch			1.50	18.00
6-inch			2.00	24.00
6-inch			1.50	18.00
6-inch			.50	6.00

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

VEGETABLE PLANTS

CABBAGE—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Takes the place of Araucaria Excelsa; set a everywhere and everybody is pleased with it; it is a money maker. Strong at ck. from 2-in. pots, \$5.00 per 100; or send \$1.00 for a sample of 20, and you will soon want more.

E. I. RAWLINGS, Quakertown, Pa.
Please mention the American Florist when writing.

CYCLAMEN!

FOR IMMEDIATE SHIPMENT.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors, a splendid stock of plants, in bud or bloom, from 4-inch pots, \$1.50 per doz.; \$12.00 per 100. From 3-inch pots, in bud, \$7.00 per 100; \$65.00 per 1000.

I solicit your patronage, and guarantee satisfaction.

PAUL MADER, E. Stroudsburg, Pa.

American Florist Advertisements
Work Every Day.

Asparagus Sprengerii, 2 1/2-inch	.....	\$2.50	per 100
Asparagus Plumosus, 2 1/2-inch	.....	4.00	per 100
Asparagus Plumosus, 3-inch	.....	5.00	per 100
Asparagus Plumosus, 3-inch	.....	6.00	per 100
Small Ferns for dishes, 4 vars, 2 1/2-in.	.....	3.00	per 100
Carex Variegata, 2 1/2-inch	.....	4.00	per 100
Boston Ferns, 8-inch pans	.....	\$15 and \$18	per doz.
" " 3-inch	.....	5.00	per 100
" " 3-inch	.....	8.00	per 100
Nephrolepis Cordata Compacta, 6-inch	.....	25.00	per 100
Geraniums—S. A. Nutt, Heteranthe, La P. lot,	.....	\$18.00	per 1000.

CASH, PLEASE.

CARL HAGENBERGER, West Mentor, O.

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$4.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,
199 Grant avenue, JERSEY CITY, N. J.



HARDY CUT FERNS

In 1000 lots, 75c per M. Discount on larger orders.
Also dealer in Sphagnum Moss, Bouquet Green, Christmaa Trees, etc.. etc.
L. B. BRAGUE, Hinsdale, Mass.

PALM FIBRE....

Large consignment just received.
Price on application.

SUZUKI & IIDA, 11 Barclay St., New York.

HOLLY. G. E. BROWN
Bridgeville, Del.

PACKER AND DEALER.

Orders now booked for dark green, well-berried Holly. Holly Wreaths and Laurel in small and car lots.

Holly and Sheet Moss.

HOLLY in case 2x2x4 ft.....\$2 50
" " 2x2x8 ft., long branches, 5.00
GREEN SHEEN MOSS, large pieces, bbl. 1.50
Holly is a dark green with large red berries. Satisfaction guaranteed.
W. Z. PURNELL, Snow Hill, Md.

Southern Wild Smilax

No. 1, containing 20 lbs.....\$1.50
No. 2, containing 30 lbs..... 1.75
No. 3, containing 50 lbs..... 2.00
HOLLY, well berried; 25 lb. case, \$2 00; 50 lb. case, \$2.50.
CORAL BRANCHES, covered with bright red berries, 25 lb. case, \$2 50.
F. & S. LEE, MARION, ALA.

GALAX LEAVES

Red and green Galax, 45c per 1000.
Leucothoe Sprays, \$2.50 per 1000.
Cash with first order. Seven years' experience. Special price to wholesalers.
J. N. PRITCHARD, Elk Park, N. C.

LAUREL WREATHING

For Christmas decorating, in quantity, from first hands, well made, fresh picked, satisfaction guaranteed; 25 yds. in a bundle, \$3 00 per 100 yds. Send in your orders early as they will receive prompt and careful attention. Also Natural Laurel by the 100 lbs., at lowest market price. Cash or certified check must accompany all orders unless parties ordering are known to us. **MRS. L. POPP & SON, Florists, Barnesboro, Glo. Co., N. J.**

Holly! Holly!

Choicest Delaware Holly from the woods and swamps. Price the lowest. Also Wreaths and Laurel Roping.
SOUTHERN FRUIT CO., Georgetown, Del.

SELECTED WILD SMILAX, 50 lbs. net weight, \$2.00 per case; 30 lb. cases, net weight, \$1.50 per case.
MAGNOLIA FOLIAGE, very fine in decorations, also in wreaths, same price as wild smilax.
LEUCOTHOE SPRAYS, \$3.00 per 1000.
HOLLY, extra fine, well-berried: casea 16 cubic ft., per case \$2.50. Per case of 7 cubic ft., \$1 75.
LONG NEEDLE PINES, carefully selected, \$1.25 per dozen. Cash with order from unknown correspondents.
EVERGREEN FLORAL CO., EVERGREEN, ALA.

WHERE TO BUY HOLLY

Place your order with PULLEN. Place it now for the very best grade of bright green foliage, well berried, fresh from the swamps.

HOLLY WREATHS. Only first-class materials used—fresh green leaves plentifully clustered with berries. In ordering be sure and state size wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

NURSERY STOCK. All varieties of fruit—Peach, Pear, Apple, Plum, Cherry, Apricot, Quince—every one warranted true to name. Have an extra fine block of Japanese Plum.

PLANTS. Can furnish anything you wish in plants.
GOODS ARE THE BEST. PRICES ARE LOW.

Write for Particulars. **W. W. PULLEN, Nurseryman and Fruit Grower, MILFORD, Del.**

HOLLY! HOLLY!

We shall have the best Christmas Holly ever seen in the Boston market. Every case carefully filled by our own men with specially selected branches. **NO RUBBISH.**

SURE QUALITY AND SURE DELIVERY. PRICES READY NOW.

N. F. MCCARTHY & CO.,

84 Hawley St., BOSTON, MASS.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A BUNYARD, - 38 WEST 28TH STREET, NEW YORK.

Rattan Rings.

12-INCH, WITH PATENT FASTENER.

Ready to wind Holly and Green on; makes work easier and improves looks of wreaths.

\$1.25 per 100. \$11 50 per 1000.

SAMPLE FREE.

W. W. BARNARD & CO.,

161 E. KINZIE ST., CHICAGO.

Baby Christmas Trees

NURSERY GROWN. WELL FURNISHED.

NORWAY SPRUCE...

3 to 4 feet.....\$25.00 per 100
4 to 5 feet..... 35.00 per 100
5 to 5½ feet..... 40 00 per 100
Baled f. o. b. in lots of 50 or 100.

THE WM. H. MOON CO.,

Glenwood Nurseries. MORRISVILLE, PA.

CHOICE GREEN AND BRONZE GALAX,

New Crop. Price 60c per 1000. Postage Prepaid. Small Orders a Specialty. Address

H. H. HILL, VICTORIA, Macon Co. N. C.
Please mention the American Florist when writing.

8,000,000 Hardy Cut Ferns
Now at 75c per 1000. Fancy and Dagger. Christmas Trees by the carload or in small lots. Sphagnum Moss 50c per bbl. Bruguera Green, \$5 per 100. Laurel Roping, 4c per yard. Cash with all orders. Orders by mail or dispatch promptly attended to.
THOMAS COLLINS, Hinsdale, - - - Mass.



STUDENTS RETURNING HOME

for holiday vacations can, upon presentation of proper credentials, obtain tickets via Nickel Plate Road, to all points in Central Passenger Association territory, at a fare and a third for the round trip. Tickets will be sold on day of closing school and on day immediately preceding closing date; good returning until date school reconvenes, but not later than January 8, 1901. For information as to train service to Ft. Wayne, Cleveland, Fostoria, Erie and other points, call on or address, John Y. Calahan, General Agent, 111 Adams St., Chicago. Passenger Station, Van Buren St. and Pacific Ave., on the Elevated Loop. 43

Canna Black Beauty, True

Finest dark leaved canna in existence, as richly colored as a Dracaena. Fine grower, 4½ to 5 feet. The best canna for centers of large beds. We have the largest stock in the country and can supply it in quantity.

\$2.00 per dozen, \$15.00 per 100 for divided roots, 1 to 2 eyes. Special prices quoted on lots of 1000 or more.

New Canna Cinnabar. (Ward).

Clear Cinnabar red with distinct gilt edge, fine round flower of great substance. Clean, vigorous habit, about 3½ to 4 feet high; profuse bloomer in good trusses which clean themselves nicely. A distinct new shade and an acceptable addition to the list of bedding varieties.

Strong roots 25c each, \$2.50 per doz., \$20.00 per 100.

New Canna Mrs. Kate Gray. A splendid hybrid of the Italian class. Fine strong habit, broad bronzy green foliage. Good strong clean spikes well above foliage. Individual floret very large; 7 inches across at times. Color bright orange scarlet at times striped with deeper scarlet and edges of petals flamed with golden yellow. Stands the sun well, blooms early. Foliage very broad and effect of plant is decidedly tropical.

Fine strong roots, 25c each, \$2.50 per dozen.

Canna J. D. Eisele.

Deep crimson scarlet. We have been growing this canna with increasing satisfaction for the past four years. In substance of flower, color, profuseness of bloom, form of petal and spike, it is in every respect fully the equal of Columbia, and in addition is a healthy, clean grower and propagates easily.

Field-grown clumps, \$25.00 per 100; divided roots, 1 to 3 eyes, \$3.00 per 100, \$25.00 per 1000.

GENERAL LIST OF CANNAS.

Our list of varieties is select, containing no inferior sorts; bulbs are in finest condition. You will make no mistake in placing an early order with us and getting your stock shipped in by freight.

	Field clumps.		
	Per 100	Per 100	Per 1000
Philadelphia.....	\$20.00	\$3.00	\$25.00
Pres. McKinley.....	20.00	3.00	25.00
Beaute Poitevine.....	20.00	3.00	25.00
A. Bouvier.....	20.00	3.00	25.00
Duke of Marlborough.....	20.00	3.00	25.00
J. D. Eisele.....	25.00	3.00	25.00
Samuel Trelease.....	25.00	3.50	30.00
S'uv. de Ant. Crozy.....	20.00	3.00	25.00
Mme. Crozy.....	15.00	2.50	20.00
Queen Charlotte.....	15.00	2.50	20.00
Pres. Cleveland.....	20.00	3.00	25.00
Secy. Chahanne.....	15.00	2.50	20.00
		Divided roots, 1 to 2 eyes.	
		Per 100	Per 1000
Mlle. Berat.....	20.00	3.00	25.00
Florence Vaughan.....	20.00	3.00	25.00
Count de Bouchard.....	20.00	3.00	25.00
Austria.....	20.00	2.50	
Burbank.....	20.00	2.50	
Italia.....	20.00	2.50	
J. D. Cabos.....	15.00	3.00	25.00
Leonard Vaughan.....	15.00	3.00	25.00

THE COTTAGE GARDENS, QUEENS, L. I., N. Y.

FUCHSIAS

LITTLE BEAUTY, LORD BYRON AND WHITE BEAUTY.

The popularity of the former two is well established. WHITE BEAUTY is a gem of the first order, being a strong, compact grower and a continuous all-year-round bloomer. It sells at sight.

PRICES AS FOLLOWS:

Little Beauty and Lord Byron, 2½-in. pots, \$3.00 per 100.
White Beauty, 2½-in. pots, \$10.00 per 100, \$2.00 per dozen.

Stock ready Dec. 15th and orders filled in rotation Address

S. S. SKIDELSKY,
523 Pine Street, PHILADELPHIA

Stock Plants

PRIZE... WINNING **Chrysanthemums**

The very best to date

New Geraniums, best Bedding and Pot varieties. List of varieties and prices on application.

NATHAN SMITH & SON, Adrian, Mich.

Boston Ferns

FOR HOLIDAYS.

All sizes, 2½, 3, 4, 5, 6 and 7-inch. Write us for prices on small or large lots.

GEO. A. KUHL, PEKIN, ILL.

Boston Ferns.

TRUE TO NAME.

Small plants from bench.....\$ 1.00 per 100
7,000 2-inch..... 2.50 "
1,000 3-inch..... 5.00 "
1,000 4-inch..... 8.00 "
500 5-inch..... 15.00 "

DAVIS BROS., : Morrison, Ill.

THEY'RE ELEGANT--XMAS AZALEAS

Pink, Red and White. All Sizes. Buy Now. **50c to \$5 Each!**

Erica Fragrans.....\$.75 to \$1.25 each. Epacris, new pink.....\$1.00 each.
Fruited Oranges... 1.00 to 2.00 " Boston Fern50c to 2.00 "
Fruited Ardisias... .50 to 2.00 "

Primulas, \$4.00 per dozen. Rubbers, 4-in., 5-in., 6-in., \$35.00 to \$50.00 per 100.

CASH WITH ALL ORDERS.

A. Schultheis, College Point, N. Y.

HEACOCK'S PREMIUM PALMS.

ARECA LUTESCENS.

3 plants, 6-inch pot, 24 to 28 inches.....\$12.00 per dozen; \$100.00 per 100
3 " 8 " 36-inch, fine.....\$3.00 each

COCOS WEDDELIANA.

1 plant, 2¼-inch pot, 8 to 10 inches high.....\$15.00 per 100
1 " 3 " 10 to 12 "..... 20.00 per 100
1 " 4 " 18 inches high..... 8.50 each
3 " 5 " 18 "..... 1.00 "

KENTIA BELMOREANA.

4-inch pot, 5 to 6 leaves, 15 inches high.....\$ 4.50 per dozen; \$ 35.00 per 100
6 " " 6 " 24 "..... 15.00 " 125.00 "
8 " " 6 to 7 " 30 to 32 inches high.....\$3.00 each.

KENTIA FORSTERIANA.

4-inch pot, 4 to 5 leaves, 15 inches high.....\$4.50 per dozen; \$35.00 per 100
6 " " 5 " 24 to 28 inches high.....\$1.00 each; \$12.00 per dozen
6 " " 5 to 6 " 30 "..... 1.25 " 15.00 "
8 " " 6 " 36 to 40 "..... 3.00 " 36.00 "
8 " " 6 " 48 to 50 "..... 4.00 " 48.00 "

JOSEPH HEACOCK, Wynote, Pa.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

St. Louis.

TRADE MOVES APACE FOR THE HOLIDAY SEASON. — PRICES DO NOT ADVANCE MATERIALLY.—VARIOUS NOTES.

The wholesalers have been experiencing a busy week, but trade has not been so brisk that prices have gone extremely high. Roses have wholesaled all the way up from 2 cents to 7 cents and carnations from \$1.50 to \$3 per hundred. Beauties sold well and at fair prices. There have not been so many chrysanthemums of late and sales have been quicker and at better prices. Violets are very scarce and have sold out early at \$1 a hundred, with a slight rise for Thanksgiving. The recent hot weather is given as the cause of the present shortage in violets.

There were no entries at the recent show for the Shaw gold medal offered annually for the best new plant, commercially, of the year.

The Michel Plant and Bulb Company had a large bench of chrysanthemums which they cleaned up nicely at Thanksgiving.

F. W. Bruenig's place is in very good shape and he reports business showing considerable recent improvement. M.

SALEM, O.—William Mundy is unable to be about because of a severe attack of blood poisoning.

BAR HARBOR, ME.—John H. Stafford, who has charge of the Malvern Land Improvement Co.'s greenhouses, has gone to Scotland and will be absent three months.

JANESVILLE, Wis.—Long & Hodson have a house 12x50 feet which has been a mass of color with chrysanthemums. Their rose house is 20x50 and the carnation house 12x50 and all the stock is good. In addition, they are cutting fine violets and callas.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/4-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early from

Money Order Office, **EDWIN LONSDALE,** Philadelphia, Pa. (Near Phila.)

N B We have not changed our location, but the P O authorities have changed our P. O. facilities.

Latania Palm Plants

Pots.	Plants to pot	Leaves	Per doz.
6-in.	1 20 to 23-in. high	6 and 7	\$ 6.00
6-in.	2 20 to 22 "	10	9.00
6-in.	3 20 to 22 "	12 to 14	12.00
7-in.	1 2 ft. ht. & diam.	7 to 8	12.00
7-in.	2 2 " "	10 to 12	15.00
7-in.	3 2 " "	12 to 16	18.00
8-in.	1 2 1/2 " "	8 to 9	18.00
8-in.	2 2 1/2 " "	15	20.00
8-in.	3 2 1/2 " "	18 to 20	24.00

Ficus Elastica, 6-in. pots, 2 1/2 ft. high, 16 to 20 leaves, \$9.00 per doz. \$65.00 per 100.

Pandanus Veitchii and Croton Plants, prices on application.

J. WM. COLFLESH, 53d & Woodlawn, W. Phila, Pa.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.

Asparagus Sprengeri—Strong 3 1/2-in., \$6.00 per 100. New Rose Snowflake—The Daisy Rose, \$10 per 100. New Laca Fern—Fronds last a month, \$6.00 per 100. New Russelia Multiflora—2 1/4-Inch, \$4.00 per 100.

50 New Plants not to be Had Elsewhere.

Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$30. Cannas, Dahlias, and all summer blooming bulbs. Electro and Cuts for Florists and Seedsmen.

A. BLANC, PHILADELPHIA, PA.

40,000 Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—\$35, \$50, \$75 and \$100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....\$35 per 100 14 to 16 inches in diameter.....\$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2 1/2 in. pots ready for shifting into 3 in...\$5 per 100 Strong 3 in. pots...\$8 per 100
Asparagus Sprengeri—2 1/2 in...\$5 per 100 Asparagus Sprengeri—3 in...\$7 per 100

BOSTON FERNS.

Strong 2 1/2 in. pot plants.....\$40 per 1000 Strong 4 in. pot plants... \$15 per 100
Strong 5 in. pot plants.....\$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.

Crimson Ramb'ers—Extra strong, with canes 3 to 5 feet long.....\$12 per 100

Hybr. Perpetual—Large assortment of best forcing varieties.....\$10 per 100 \$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

Ball's Palms, &c.

CHOICE HARDY STOCK, EXTRA STRONG.

- Areca Lutescens, several plants, 4-in. @ 20c and 25c; 25c; 6 in @ 50c and 75c; 8-in. @ \$1.50; 10-in. @ \$4.00 and \$5.00. Large specimens, 14-in. and 16-in. @ \$17.50 to \$35.00.
- Latania Borbonica, 4-in. @ 25c; 6-in. @ 50c and 75c. Made up, 3 plants together, large and showy, 6-in. @ 75c; 8-in @ \$1.
- Kentia Forsteriana, 3-in. @ 20c and 25c; 4-in. @ 40c and 50c.
- Kentia Belmoreana, 3 in. @ 20c and 25c; 4-in. @ 40c and 50c; 5-in. @ 75c; 6-in. @ \$1.00 and \$1 25; 8-in. @ \$2.00.
- Livistona Rotundifolia, strong, 4-in @ 4.c; 5-in @ 75c.
- Pandanus Veitchii, 6-in. @ \$1.00; 3 in. @ \$2.00.
- Ficus Elastica, Araucaria Excelsa, Draecena Terminalis, etc., etc.

CHAS. D. BALL,

HOLMESBURG, PHILA., PA.

Price Lists.*

Gloire de Lorraine Begonia.

Elegant bushy plants, covered with buds and flowers: Just the stock for your counter sales.

	Each.	Per Doz.	Per 100		Each.	Per Doz.	Per 100
2 1/2-inch pots, bushy.....	.25	\$2.50	\$20.00	4-inch pots, bushy.....	.50	\$ 5.00	\$40.00
3-inch pots, bushy.....	.35	4 00	30.00	6-inch pans, very fine...\$1.00	12.00		

LILACS.

Pot-grown, for forcing, strong plants, 7-inch pots, 18 to 24 inches high, well branched and full of buds, in two sorts, CHARLES X and MARIE LE GRAY, each, 75 cents; dozen, \$7.50.

HYDRANGEA.

OTAKSA and THOS. HOGG, extra strong, field-grown plants with 5 to 7 branches, per dozen, \$2.00; per 100, \$15.00.

Vaughan's Seed Store,

Greenhouses, Western Springs, Ill.

84-86 Randolph St., CHICAGO.

Hardy Herbaceous AND Alpine Plants. Field-Grown

A COMPLETE ASSORTMENT OF OLD AND NEW VARIETIES.

The Blue Hill Nursery, So. Braintree, Mass. CORRESPONDENCE SOLICITED.

PRIMROSES.

	Per 100
Chinese, large flowering, 2-in. pot.....	\$1.25
ASPARAGUS Sprengeri, 2-inch pots.....	2.50
" Plumosus, 2-inch pots.....	3.50

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, O.

'MUMS.

Stock plants from 6-inch pots or bench, ready now: Mme. Bergmann, G. S. Kalb and Gloire de Pacific, \$1.00 per dozen.

Mrs. Robinson, Yellow Mrs. Robinson, Bonnaffon and other standard varieties. Send list of your wants.

CRABB & HUNTER, Grand Rapids, Mich.

DAISIES,

hardy, large plants, Snowball, Longfellow, 40c per 100; \$2.50 per 1000. FORGET-ME-NOT, fine clumps, 75c per 100; \$5.00 per 1000.

MIGNONETTE (Allen's Defiance), large plants out of 2 1/2-inch \$2.50 per 100.

J. C. Schmidt, Bristol, Pa.

Choicest Stock, LOWEST PRICES.

VERBENAS. 20th Century Collection now ready. The finest set of New Mammoth Verbenas in America. 25 grand sorts, strong 2-inch pot plants, \$2.00 per 100; strong rooted cuttings, 60c per 100; \$5.00 per 1000.

COLEUS. our champion collection, embracing the newest sorts and only those of decided merit, strong 2 1/4-inch, \$1.50 per 100, (special).

GERANIUMS. strong 2-inch, mixed colors, \$1.50 per 100. Strong R. C. of Bruanti and Heterauthe, best scarlet bedders and all colors mixed, \$1.25 per 100, \$10.00 per 1000, (special). Mme. Sallerioi, strong 2 1/4-inch, \$1.50 per 100; 2-inch, \$1.25 per 100. Rose Geraniums, strong R. C., \$1.00 per 100, (special).

NEW AGERATUMS. Louise Bonnatt, latest novelty in white, and Princess Pauline, latest blue, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 60c per 100, (special).

ALTERNANTHERAS. bright red, variegated and yellow, 50c per 100, \$4.00 per 1000, (special for ten days).

NEW SALVIAS. St. Louis and Splendens, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 75c per 100, (special).

MARGUERITES. New California Giant White and New Golden, strong 2 1/4-inch, \$2.00 per 100; strong R. C., \$1.00 per 100.

ASPARAGUS SPRENGERII. strong 2 1/4-in., ready for 3-inch, \$2.00 per 100, (special).

ROSES strong 2 1/4-inch Brides and Maids, \$2.00 per 100, (special).

NEW DOUBLE FRINGED PETUNIAS. The set we are to send out this season is a record breaker. Strong R. C. ready December 10th. Place your orders early for this collection.

CASH WITH ORDER.

South Side Floral Co., Springfield, Ill.

Please mention the American Florist when writing

WE ARE GROWING THE FOLLOWING ROSES:

- | | |
|-----------|----------------------------|
| METEOR, | LIBERTY, |
| BRIDES, | GOLDEN GATE, |
| MAIDS, | LA FRANCE, |
| KAISERIN, | BELLE SIEBRECHT, |
| PERLES, | PRES. CARNOI. |
| BEAUTIES, | Rooted cuttings now ready. |

Write **GEO. A. KUHL, Pekin, Ill.**

Carnations

Rooted Cuttings, that are full of roots, at reasonable prices.

HEADQUARTERS FOR **ETHEL CROCKER.**

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

Genevieve Lord, The greatest money getting pink Carnation ever introduced. A descendant of Wm. Scott, but it's superior in every way. A big claim; if you don't believe it, come and see it. Please note change in price of rooted cuttings for January 1st delivery and after: \$6 per 100; \$50 per 1000. Booking orders now. Delivery any time you say after January 1st., 1901. **CHRYSANTHEMUMS.** stock plants, new and old varieties. Write for prices.

H. WEBER & SONS, OAKLAND, MD

Edward B. Jackson,
WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

Please mention the American Florist when writing.

A. SPRENGERII

Ex. strong plants from 2 1/4-in. pots, ready for 3-in.,

\$3.50 per 100; \$30 per 1000.

The finest stock offered for this price.

JACKSON & PERKINS CO., Newark, New York.

We are hooking orders for Rooted Cuttings of

CARNATIONS,

All the best varieties. Write us.

GEO. HANCOCK & SON, Grand Haven, Mich.

NEW CARNATIONS FOR 1901.

Lorna—(Dorner). Pure white, a decided improvement on White Cloud in size, habit stem, form, color and continuous blooming. \$10 per 100; \$75 per 1000.

Mermaid—(Dorner). Salmon pink, large flower, good color, early and extremely free. Stem a little weak after transplanting but improves quickly. A good summer bloomer in the field. \$6 per 100; \$50 per 1000.

Roosevelt—(Ward). Rich brilliant scarlet, shaded maroon. Early and free. The peer of all dark Carnations. \$12 per 100; \$100 per 1000.

Prosperity—(Dailedouze). White overlaid with pink. An exceptionally large Carnation. The winner of the Lawson Gold Medal in 1900. \$16 per 100; \$130 per 1000.

Irene—(Crabb & Hunter). Commercial pink Carnation. Free and continuous bloomer. \$10 per 100; \$75 per 1000.

Let us book your order now for the new varieties. Also for the 1000 Novelties—Crocker, Lawson, G. Lord, Marquis, Olympia and Peru.

F. Dorner & Sons Co. LaFayette, Indiana.

We make a specialty of rooted cuttings.

QUEEN LOUISE CARNATION

This new Carnation produces the finest flowers, is perfectly healthy and is the best white variety ever introduced.

IT BLOOMS EARLY — IT BLOOMS LATE — IT BLOOMS ALL THE TIME.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November. No other Carnation can stand such a test.

Price \$10 per 100, \$75 per 1000.

Rooted Cuttings ready February 15th. Come and see it or send for circular.

J. L. DILLON, - Bloomsburg, Pa.

PROSPERITY

Is the name of the superb CARNATION heretofore known as No. 666, to be disseminated March 1, 1901. For particulars apply to

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

LIBERTY, four-inch, \$75.00 per 100. **MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR,** 3-in., \$5.00 per 100; 3 1/4-in., \$7.00; 4-in., \$8.00. **GRAFTED BRIDE,** \$20.00 per 100, 6-inch.

A. S. MacBEAN, LAKEWOOD, N. J.

Orders booked now for

Ethel Crocker,

the best pink Carnation out. Rooted cuttings will be ready on and after Jan. 1st. Price, \$4 per 100; \$30 per 1000.

GEO. HARRER, Morton Grove, Ills.

ORDERS NOW BOOKED FOR ROOTED CUTTINGS OF
CARNATIONS.
Chicago Carnation Co., JOLIET, ILL.

CARNATION PLANTS

ALL SOLD.

Ready to book your orders for Rooted Cuttings of all the leading varieties, for spring delivery. Let me quote you prices before placing your orders.

Wm. Murphy, Wholesale Carnation Grower, Sta. F, CINCINNATI, OHIO.

Please mention the American Florist when writing.

ROOTED CUTTINGS CARNATIONS.

	Per 100	Per 1000
CRANE.....	\$2.50	\$20.00
BRADT.....	2.50	20.00
EVANSTON.....	2.00	17.50
JOOST.....	1.50	12.50
WHITE CLOUD.....	1.50	12.50
FLORA HILL.....	1.50	12.50
DAYBREAK.....	1.50	12.50
TRUMP.....	1.50	12.50
ARMAZINDY.....	1.50	12.50
TIDAL WAVE.....	1.50	12.50
WM. SCOTT.....	1.00	8.00

ROSES.

KAISERIN.....	\$1.50	\$12.50
LA FRANCE.....	1.50	12.50
METEOR.....	1.50	12.50
PERLE.....	1.50	12.50
BRIDE.....	1.50	12.50
BRIDESMAID.....	1.50	12.50
GOLDEN GATE.....	2.50	20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

South Bend, Ind.

One of the annual society events of this city is the chrysanthemum show at Tippecanoe place, the residence of Hon. Clem Studebaker, for the benefit of the Dorcas Society of Milburn Memorial Chapel. This year the exhibition took place on November 12 and Gardener F. Schultz, who has had charge of the Studebaker grounds and greenhouses for a year, had 650 plants ready for the display. He had more than fourscore varieties, including many novelties. Of new sorts he had good specimens of Orizaba, Monrovia, Lavender Queen, Superba, Bonita, Primo, Winona, Fee du Champsaur, Mrs. Trainor L. Park, Shilowa, Neno and others. Among novelties he had several European sorts which have not been reported as figuring in any other American exhibition this year. One of them is Golden Shower, a very distinct sort with long, narrow petals, yellow intermixed with red and bronze. Marie Calvat is a Japanese, reflexed pink, and Mme. Edmond Roger is the nearest approach to a green flower yet offered; it is French. It is a broad petaled flower, the outer ones creamy white, those near the center having a greenish cast.

New Haven, Conn.

Trade has been very lively for the past couple of weeks, with enough funeral work to use up all surpluses in supply. Roses have been rather short as most of the houses have been off crop, but it looks as though we should have stock enough for Thanksgiving. A few days before Thanksgiving trade for that occasion promises to be very brisk, as most of the florists have already booked numerous orders for dinner parties, etc. Violets were in great demand for the Yale-Harvard foot ball game last Saturday, and the calls were much like the score, 28 to 0. Supplies were received from New York, Philadelphia and Boston and retail prices were anywhere from \$2.50 to \$4 per hundred. G. H.

Palms & Ferns.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. J. B. HEISS, The Exotic Nurseries, DAYTON, OHIO.

ROBT. CRAIG & SON
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA PA.

Ageratums.

Cope's Pet. 50c per 100
Lady Isabel. 50c per 100
PARIS DAISIES, white 75c per 100
LITTLE GEM FEVERFEW 75c per 100
CALIFORNIA MOSS 60c per 100
FORT DODGE GREENHOUSE CO.,
H. E. MITTING, Mgr FORT DODGE, IOWA.

SPECIALTIES IN BEST VARIETIES
ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

Unrooted Carnation Cuttings

	Per 100	Per 1000		Per 1000	Per 1000
Morning Glory, the coming			Mary Wood, white	\$1.00	\$ 7.50
Daybreak	\$2.50	\$30.00	Gold Nugget, yellow	1.00	7.50
Mrs. Bartlett (Dorner), scarlet	2.50	30.00	Gen. Maceo, maroon	1.50	12.50
Genevieve Lord, light pink	1.50	10.00	Gen. Gomez, dark red	1.25	10.00
E. Crocker, pink, fine	1.75	12.50	Morning Glory, rooted cuttings, shell pink	5.00	40.00
Mrs. F. Joost, pink	.75	5.00	G. H. Crane, scarlet	2.25	20.00
Glacier, white	1.00	7.50			

25 Cuttings at 100 rates; 250 at 1000 rates.

Plants

	Per 100		Per 100
10,000 Coleus, named, 10 varieties, 2 1/4-in.	\$1.50	3,000 Cedum variegatum	2 1/4-in., 1.50
20,000 Alternantheras, red, pink and yellow	1.50	5,000 Cigar Plant	2 1/4 " 1.50
1,000 Salvia	1.50	1,000 Asparagus P. Nanus	3 " 5.00
		1,000 Boston Fern, true	3 " 5.00

THE MORRIS FLORAL CO., - Morris, Ill.

FINE Bays
Pyramids and Standards.

Specimen Rhododendrons for Forcing,
Adiantum Farleyense, cut or in pots;
Azaleas, Ficuses, Acacias,
Araucarias, Boston Ferns,
Small Ferns,
Fine cut Fronds of Adiantum tenerum,
Lorraines.

Edgar, WAVERLEY, MASS.



VERBENA KING.

Express prepaid on all Rooted Cuttings. Ready Dec. 5. Verbenas, 40 best mammoth vars. 60c per 100; \$5.00 per 1000. Alternanthera, red and yellow, 60c per 100; \$5 per 1000. Ageratum, 4 best vars., 60c-75c per 100; \$5.00-\$6.00 per 1000. Heliotropes, 10 best vars. \$1 per 100; \$8 per 1000.

Daisies, 2 best vars., \$1 00 per 100; \$8.00 per 1000. Send for our new list of other rooted cuttings and plants; it will save you money. Write for prices on larger lots.

C. HUMFELD, Clay Center, Kas.

3 - Great Glories - 3

BEGONIA GLOIRE DE LORRAINE, 2 1/4-inch pots, \$15.00 per 100.
BEGONIA GLOIRE DE LORRAINE Nana Compacta, 2 1/4-inch pots, \$15.00 per 100.
BEGONIA CALEDONIA, "The White Lorraine," 3 1/4-inch pots, \$5 00 each.
This stock guaranteed absolutely free from disease.
THOMAS ROLAND, Nahant, Mass.

TO CLEAN OUT.

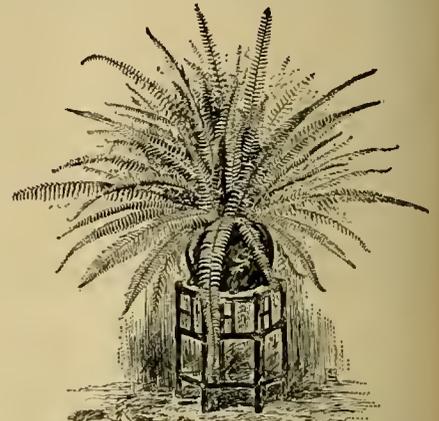
...500 Paeonia Chinensis...

In 90 different varieties at \$12 per 100; undivided 3 to 4 eyes each. Please cash with order.

VAN HEININGEN BROS., Nederland, Tex.

AGERATUM "Stella Gurney."

As necessary to your bedding stock as coleus or geraniums. Dwarf in growth, true blue and always in bloom. Strong pot plants at 75 cts. per Doz.; \$5.00 per 100.
ALBERT M. HERR, Lancaster, Pa.



Boston Fern a specialty. 20,000 at \$20 and \$25 per 100. Extra fine plants at 75c and \$1 each. Small plants \$5 per 100. True stock. Order now, before cold weather. Extra well berried Solanum (Jerusalem Cherry), 5-in. at \$20 per 100; \$3 per doz. Asparagus P. Nanus, 3-in., \$8 per 100. Asparagus Sprengerii, 3-in., \$8 per 100. 20,000 Palms—Kentias. Lantanas. My own growing from seed, very fine. Write for prices.
L. H. FOSTER, 45 King St., Dorchester, Mass.

CALADIUMS Fancy leaved, 40 named sorts.

Dry bulbs, 1 1/4 to 2 1/4-in. Per 100 Per 1000 \$10.00 \$90.00
Dry bulbs, 1 to 1 1/4-in. 8.00 70.00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in \$30.00

PHOENIX CANARIENSIS & TENUIS, Very stocky, 3-4 characterized leaves, 15-18-in. 15.00
4-5 " " 20-24 " 25.00
5-6 " " 24-30 " 40.00

PHOENIX RECLINATA, 3-4 characterized leaves, 15-18-in., very stocky 25.00

LATANIA, 4-5 characterized leaves, 18-20-in. 25.00

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in. 12.00

Not less than 50 at above rates. Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.

Geraniums ROOTED CUTTINGS.

Double and Single in separate colors.

Send for Price List.

PETER BROWN, Lancaster, Pa.

Stock 'Mums For Sale—If you want a good collection; if you want strong, healthy plants; if you want fancy prize winning stock, write to me for varieties and prices. I have taken 13 premiums this season in Chicago, Indianapolis and St. Louis—half firsts and half seconds—ou white, yellow, pink, bronze and any other color. Anything else you want I have got it if anyone has. Address at once
CUNNAR TEILMANN, Marion, Ind.

Plant • Pots — AND — Pedestals.

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese **PLANT POTS** or **JARDINIERES**, selected by our buyers at the places of production in the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to \$150 each.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

Wholesale and Retail.

Jones, McDuffee & Stratton Co.

CHINA, GLASS AND LAMP MERCHANTS.

120 Franklin St., BOSTON, MASS.

JEROME JONES, Pres. S. P. STRATTON, Treas.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you up on..... **SILKALINES.**

84 Kingston St., BOSTON, MASS.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brassed and nickled, with three clasps for 6 to 8-in. pots, each \$1.75. Kift's patent rubber capped Flower Tubes, 1/4-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
1725 Chestnut St. Philadelphia, Penn.

The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until the burn heap is reached. It does the work much better than a hand rake and three times as fast. Easy to operate. Given certificate of merit at N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.

FINLEY LAWN RAKE CO., - Joliet, Ill.



Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your gardener doesn't handle them, order of us direct.
FACTORY AND OFFICE:
180-180 VEDDER ST., CHICAGO.
TELEPHONE NORTH 855.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J



SILVER BIRCH BARK WARE.

PRICES PER DOZ.—Canoes, 9-in. \$3 30; 12-in. \$5.50; 15-in. \$7 90; 18-in. \$10 50; 21-in. \$13 20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3 00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4 in. \$1.80; 5 in. \$2.40; 6 in. \$3 00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 14-in. per doz. \$11; 11-in. \$9; 9-in. \$7. References: Geo. Wittbold Co., E. Wuehhoeber, C. A. Samuelson, Chicago.

J. A. LYNN, 1442 WRIGHTWOOD AVE., CHICAGO.

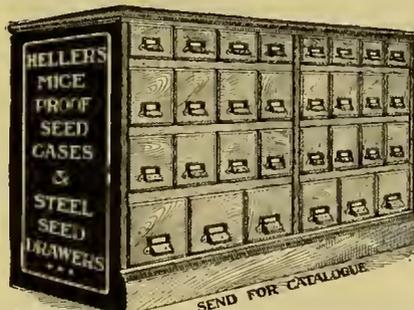
THE Planet Junior Line — OF — HAND GARDEN TOOLS

Should be shown in every SEED CATALOG as it is used in nearly every American Garden.

WRITE FOR CUTS AND PRICES IN TIME.

S. L. ALLEN & CO.,

Box 710. PHILADELPHIA, PA.



HELLER & CO. MONTCLAIR, N.J. USA.
Please mention the American Florist when writing.

REDUCED RATES FOR CHRISTMAS AND NEW YEAR HOLIDAYS.

The Nickel Plate Road will sell tickets December 22 to 25, inclusive, December 31, 1900, and January 1, 1901, at rate of a fare and a third for the round trip, to any point located in Central Passenger Association territory, good returning to and including January 2 1901. Vestibuled sleeping cars. Individual club meals, ranging in price from 35 cents to \$1 00, served in dining cars. Address John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. Depot, Van Buren St. and Pacific Ave., on the Elevated Loop. 42

PALM LEAVES

For Prepared Palm purposes.
ALL VARIETIES. ALL SIZES.
MAKE YOUR OWN PREPARED PALMS
We can supply all the materials.
Florida Natural Products Co.,
Jacksonville, Fla. & Indianapolis, Ind.

The Jennings Improved Pans

Made for any sized steam pipe.
Write for price, also circular.
JENNINGS BROS., Olney, Philadelphia, Pa.

FOR VAPORIZING TOBACCO WATER And TOBACCO EXTRACTS.

TOBACCO DUST,

FREE FROM ANY DIRT OR FOREIGN MATTER,

\$10 per 1000 lbs.

SAMPLE SENT IF REQUESTED.

MACK TOBACCO CO ,

Canal and Plum Streets, Cincinnati, Ohio.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS,
46 Marion St., NEW YORK.

THE Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The GARDENERS' CHRONICLE has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE' is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, \$4.50 per year Remittances to be made payable to H. G. COVE.

OFFICE—

41 Wellington St., Cover Garden, London, England.

Die Bindekunst

Einzige Special Zeitschrift der Welt für **BLUMENBINDEREI.**

Probennummern umsonst.
Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,
ERFURT, DEUTSCHLAND.

Toronto.

CUT FLOWER TRADE SHOWS CONSIDERABLE IMPROVEMENT.—WEATHER CAUSES QUALITIES TO DETERIORATE.—NOTES.

There is a decided improvement in the cut flower trade. During the past week many social functions and several large funerals have used up the surplus stock. We have had considerable rain and stock is not benefited by the dark weather, the quality having fallen off very much. The best blooms are being cut from Meteor, Morgan and Cusin. Brides and Bridesmaids, the latter of very poor color, are soft and stems very weak. The shortage of carnations is not so noticeable. Callas, hyacinths, narcissi and stevia are coming in larger quantities and will soon be very plentiful.

McConkey's annex, which has lately been fitted up in New York style, is using up large quantities of chrysanthemums. The decorations for several of the balls held there the last week have been a credit to this city.

Tidy has the first Begonia Gloire de Lorraine to be seen in town. The plants are not large but are well flowered and prove very attractive.

Dunlop has a window of Golden Wedding chrysanthemums and poinsettias, the first of the season. H. Y. D.

WILMINGTON, N. C. — The Masons recently had a very successful chrysanthemum show. In the classes open to florists Miss Lucy Moore was the principal prize winner, although Mrs. H. Rehder had the best display of miscellaneous cut flowers. J. H. Small & Sons, of Washington, sent the prize display of cut chrysanthemums.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

REED & KELLER,

Manufacturers of Florists' Designs.

Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

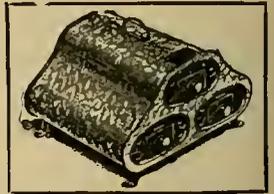
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers, 10 Bond St., NEW YORK.

JAMES W. ERRINGER, Gen. West. Sales Agent, 297 Wabash Ave., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 84 Hawley St., BOSTON, MASS.

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cyos Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs, AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & CO., 54 West 30th St. New York. HORTICULTURAL SUPPLIES.

A good adv. in a good paper will bring good returns.

NIKOTEEN
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE
DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN—CIRCULAR FREE—SKABCURA DIP CO. CHICAGO.
Kill AND SAVE THE BUGS!
QUICKLY DOES IT.

LIQUID PLANT FOOD
IMP.
Grows hardier stock; grows improved stock. Stock ships better; also ready earlier. Brings better customers and more profits.
EASTERN CHEMICAL COMPANY, 620 Atlantic Ave., Boston.

BEST AND Cheapest ALL-ROUND INSECTICIDE
ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE
For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

All Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"
This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents. Address EDITORS OF THE "H. A." Chitwell Nurseries, LOWDHAM, Notts, England.

THE KINNEY PUMP.
For applying liquid manure it has no equal. Sent prepaid for \$2.50. Without spraying valve, \$2.00.
The Hose Connection Co., Kingston, R. I.

THE NEW Standard Ventilating Machines.

Always reliable. Self-oiling. Four Styles. All warranted first-class. Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO., YOUNGSTOWN, O.

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

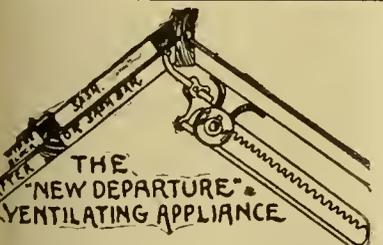
Thos. W. Weatherd's Sons,

46 Marion St., NEW YORK.

Please mention the American Florist when writing

REBUILT MACHINERY

and SUPPLIES at Bargain Prices. Largest Machinery Depot on earth. We buy buildings and plants; among others we bought the World's Fair, the Omaha Exposition, the Chicago Post Office, and other structures. We rebuild machinery of all kinds, and sell with binding guarantees. Boilers from \$25 up; Engines from \$35 up; Steam Pumps from \$15 up, etc. We carry complete stock of General Supplies, such as BELTING, SHAFTING, HANGERS, PULLEYS, IRON PIPE, IRON ROOFING, HARDWARE, VALVES & FITTINGS, PLUMBING MATERIAL, etc. Will send free, our 250-page Catalog No. 7. Constantly buying entire stocks at Sheriff's and Receiver's sales. Chicago House Wrecking Co., W. 35th & Iron Sts., Chicago, Ill.



You can not get a GOOD THING for nothing. But the price of this apparatus is next to nothing. Send for price and description to J. D. GARMODY, Evansville, Ind.

RUSTIC WORK FOR ALL PURPOSES MADE TO ORDER...

In stock, the most extensive variety in the country. of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO., 9 Fulton Street, NEW YORK CITY. Please mention the American Florist when writing.

HOTBED SASH

In Pine, Louisiana Cypress and Red Cedar

GREENHOUSE MATERIAL,

Cal. Red Cedar and Louisiana Cypress.

BEST GRADES, PERFECT WORKMANSHIP.

A. DIETSCH & CO. 615-621 Sheffield Ave. CHICAGO, ILL.



D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.

HOT-HOUSE GLASS A SPECIALTY.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20	1500 2 1/2 " " " " " "	8.00
1500 2 1/2 " " " " " "	1000 3 " " " " " "	1500 2 3/4 " " " " " "	8.80
1000 3 " " " " " "	800 3 1/2 " " " " " "	1000 3 " " " " " "	4.80
800 3 1/2 " " " " " "	500 4 " " " " " "	500 4 " " " " " "	3.60
500 4 " " " " " "	320 5 " " " " " "	320 5 " " " " " "	4.80
320 5 " " " " " "	144 6 " " " " " "	144 6 " " " " " "	4.80
144 6 " " " " " "			4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY, OR.... **FORT EDWARD, N. Y.** AUGUST BOLKER & SONS, New York Agents, 62 DEW STREET, NEW YORK CITY

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE. SWAHN'S POTTERY MFG CO., P. O. Box 78, Minneapolis, Minn.

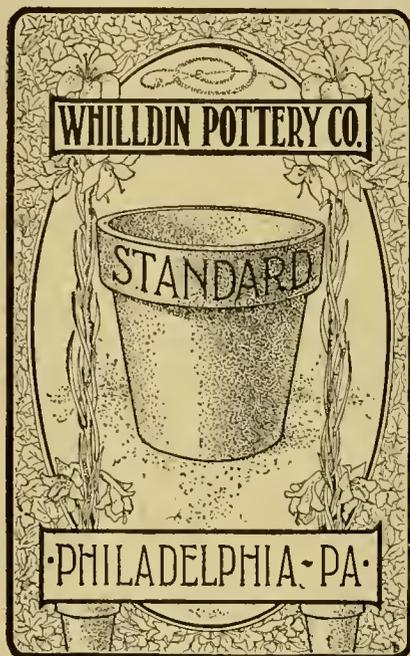
Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

See by New Firms: AMERICAN FLORIST ADVTS.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.



GEO. KELLER & SON, MANUFACTURERS OF **Flower Pots.**

Before buying write for prices. 361-363 Herndon Street near Wrightwood Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS" FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS. DETROIT FLOWER POT M'FY, HARRY BALSLEY, DETROIT, MICH., Rep. 490 Howard St.

Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY.

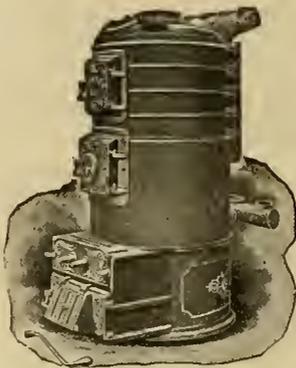
Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.

INDEPENDENT OF ALL TRUSTS. GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

Index to Advertisers.

Advertising Rates.....	600
Allen J K.....	605
Allen S L & Co.....	617
American Rose Co.....	602 11
Amling E C.....	603
Baker & D... ..	612
Banner J L & Co.....	676
Bell Chas D.....	614
Baller F A.....	608
Barnard W W & Co.....	612 I
Bassett & Washburn.....	605
Baur E Alfred.....	1
Bayersdorfer H & Co.....	618
Bentley & Co.....	603
Berkmans P J Co.....	616
Berning H G.....	604
Biano A & Co.....	614
Blue Hill Nursery.....	614
Boblik & Atkins.....	647
Boston Letter Co.....	618
Brague L B.....	612
Brant & Noe.....	602
Brown C E.....	612
Brown Peter.....	608
Brdlong J A.....	608
Bunyard L.....	612
Burpee W Allee & Co. 11	
Caldwell the Woods-	
man Co.....	602 606
Carmody J D.....	619
Chadwick Chas.....	602
Chicago C.....	615
Chicago House Wreck-	
ing Co.....	619
Cincinnati Cut Flo Co.....	604
Clark Wm A & Son.....	609
Collins J W.....	614
Collins Thos.....	619
Conard & Jones Co.....	67
Conley Foll Co.....	618
Cottage Gardens.....	613 1
Crabb & Hunter.....	614 1
Craig Robt & Son.....	676
Cunningham Jos H.....	614
Cunningham D O.....	619
Olasa Co.....	619
Dallegouze Bros.....	615
Davis Bros.....	613
Deamud J B.....	603
Detroit Flo'r Pot Mfy.....	619
Dietach A & Co.....	603
Dillon J L.....	619
Dorner Fred & Sons Co.....	615
Dreer H A.....	611 111
Dunlop John H.....	604
Dunne & Co.....	618
Eastern Chemical Co.....	618
Edgar W W.....	618
Elmholtz Henry.....	607
Elis Frank M Co.....	602
Ernest W H.....	619
Evergreen Floral Co.....	612
Ferguson John B.....	614
Finley Lawn Rake Co.....	617
Florida Nat Prod Co.....	605
Ford Bros.....	605
Fort Dodge O'h Co.....	616
Foster Louisa H.....	616
Gardener Chronicle.....	617
Garland Geo M.....	620
Geller Sigmund.....	618
Gibbonsley Wm.....	606
Gibbons H W.....	611
Giblin & Co.....	611
Good & Reese Co.....	610
Gullett & Sons W H.....	618
Guntner Wm H.....	605
Gutman Alex J.....	605
Gurney Heater Co.....	619
Hagenburger Carl.....	611
Hall Asen.....	617
Hancock Geo & Son.....	615
Harrer Geo.....	615
Hart M A.....	605
Heacock Joseph.....	613
Helms J B.....	617
Heller & Co.....	617
Hennecke C Co.....	619
Herendeen Mfg Co.....	1V
Herr Albert M.....	615 616
Herrmann A.....	618
Hewa A H & Co.....	619
Hildgar Bros.....	619
Hill The E G Co.....	1
Hill H H.....	612
Hippard E Co.....	619
Hitchings & Co.....	1V
Holton & Hunkel Co.....	602 618
Hooker H M Co.....	620
Horan Edw C.....	645
Hose Connection Co.....	618
Humfeld C.....	616
Hunt E H.....	603
Invalid Appliance Co.....	617
Jackson & Perkins Co.....	615 615
Jackson E B.....	615
Jacobs S & Sons.....	111
Jennings E B.....	609
Jennings Bros.....	617
Johnson & Stokes.....	606
Jones McDuiffe &	
Stratton Co.....	617
Kaesting W F.....	604
Keller Bros.....	619
Keller Geo & Son.....	619
Kelllogg Geo M.....	604
Kennelott Bros Co.....	678
Kentucky Tob Pro Co.....	618
Kift Robert.....	617
Kroeschell Bros Co.....	1V
Kuehn C A.....	604
Kuhl Geo A.....	613 615
Lager & Farrell.....	607
Laker w Rose Garden.....	611
Lang Juline.....	605
Langjahr A H.....	604
Lee F & S.....	612
Lee R A.....	602
Lehman Bros.....	618
Lamprecht S J.....	605
Lockland Lum Co.....	618
Long D B.....	11
Lonsdale Edwin.....	614
Lord & Burnham Co.....	1V
Lucas J & Co.....	620
Lynn J A.....	617
McCarthy & Co N F.....	604 612
McFadden E C.....	616
McKellar & Winteron.....	617
MacBean A S.....	615
Mack Tobacco Co.....	617
Mader Paul.....	611
Mayer John G & Co.....	617
Millang Chas.....	605
Millang Frank.....	605
Moninger J C Co.....	620
Moon Samuel C.....	608
Moon Wm H Co.....	612
Moore, Bentz & Nash.....	615
Morrta Floral Co.....	618
Moss Geo M.....	604
Murphy Wm.....	615
Myers & Co.....	620
Nickle Plate R R.....	612 617
Nielsen Leo.....	604
N Y Cut Flower Ex.....	605
N Y Cut Flower Co.....	605
Pennock Sam'l S.....	604
Pleason F R Co.....	606
Pittsburg Cut Flo Co.....	602
Poehlmann Adolph H.....	603
Pollworth C C Co.....	602
Pope Mrs L & Son.....	612
Prince A G & Co.....	603
Pritchard J N.....	612
Pullen W W.....	612
Purnell W J.....	612
Quaker City Mch Wks.....	111
Randall A L.....	603
Rawlins E I.....	611
Raynor J I.....	605
Reed Glass & Paint Co.....	619
Reed & Keller.....	618
Rogan Printing Horse.....	11
Reinberg Geo.....	63 615
Reinberg Peter.....	603
Reiser Water & Co.....	609
Rice M & Co.....	610
Rodgers Alex.....	11
Roland Thomas.....	616
Rolker A & Sons.....	11
Rostle Mfg & Con Co.....	619
Saltford Geo.....	603
Sander & Co.....	69
Schillo Adam.....	1V
Schmidt J C.....	614
Scollay John A.....	111
Schuthels A.....	613
Sheridan W F.....	605
Siebrecht.....	1
Stations & Want.....	601
Shabcura Dip Co.....	618
Skidelsky S S.....	613
Smith Nath & Son.....	613
Smith W & T Co.....	1
Smurthwaite C A.....	1
Produce Co.....	11
Soltan C.....	611
South Side Floral Co.....	615
Southern Fruit Co.....	612
Stahl Chas B.....	604
Stearns Lumber Co.....	111
Stoothoff H A & Co.....	11
Storrs & Harrison Co.....	614
Studer N.....	609
Styer J.....	11
Sutherland Geo A.....	604
Suzuki & Iida.....	606 612
Swahn Pottery Mfg Co.....	619
Szellmann Gannar.....	616
Thorburn J M & Co.....	606
Traendly & Schenck.....	605
Vall Seed Co.....	616
Van Hellingen Bros.....	616
Vaughan's Seed Store.....	606 614 1
Vick's Sons Jas.....	606
Vincent R Jr & Son.....	611
Vredenburg & Co.....	11
Waterbury & Co.....	604
Watson G C.....	11
Weathered's Sons	
Thos W.....	619 111 IV
Weber H & Sons.....	615
Weeber & Don.....	11
Welland & Risch.....	602
Welch Bros.....	604
Whilldin Pot Co.....	619
Wielor Bros.....	602
Wilke S Mfg Co.....	1V
Wills & Segar.....	607
Wittbold The Geo Co.....	609
Wood Bros.....	616
Woodroffe & Bern-	
helmer.....	604
Wood, Stubbs & Co.....	616
Young Jno.....	615
Young & Nugent.....	605



GURNEY "400 SERIES" HOT WATER HEATER.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

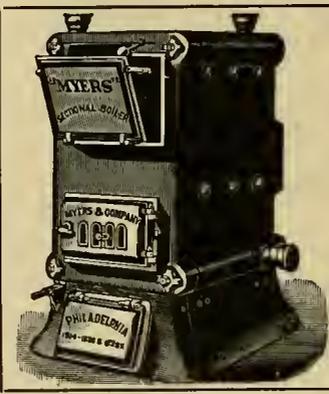
We manufacture Boilers capable of heating any size Greenhouse.

RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St., Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., PHILADELPHIA, PA. (ESTABLISHED 1849.)

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

CYPRESS WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

DIED AT 103-CHEVREUL

We are his disciples in encouraging the use of harmonious combinations of the most durable and beautiful colors for house painting. Send for sample cards of LUCAS PAINTS.

GARLAND'S IRON GUTTER

No Ice. No Breakage of Glass.



This Gutter will save money in cost of construction.

GEO. M. GARLAND, DES PLAINES, ILL.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, DECEMBER 8, 1900.

No. 653.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

Latest facts about new carnations.....	621
An Armazindy sport (illus.).....	622
Chrysanthemum novelties (illus.).....	622
Spot disease of the violet.....	623
Nephrolepis Washingtoniensis (illus.).....	624
An harmonious arrangement of plants of easy culture (illus.).....	625
Plants for baskets and pans (illus.).....	626
A Kentucky establishment (illus.).....	626
Pan-American notes.....	627
New York.....	627
Boston.....	627
Philadelphia.....	628
Chicago.....	628
St. Louis.....	628
Toronto.....	628
Kalamazoo, Mich.....	628
Chrysanthemum Society of America.....	630
To pipe greenhouses.....	630
The mixing of lime and manure.....	630
The profit of chrysanthemum shows.....	630
Detroit.....	631
The seed trade.....	636
Omaha.....	638
The nursery trade.....	638
Saginaw, Mich.....	638
Our pastimes—At Utica.....	640
—At West Hoboken.....	640
—At New York.....	640
—At Flatbush.....	640
Washington.....	640
Sharon, Pa.....	642
Albany, N. Y.....	644
Cincinnati.....	646
Buffalo.....	648
Youngstown, O.....	650

Latest Facts About New Carnations.

[Paper by Albert M. Herr, Lancaster, Pa., read before the Florists' Club of Philadelphia, December 4, 1900.]

With many growers December 1 is the beginning of the carnation season, and even where the grower is willing to have his season begin September 1 he will find many varieties refusing to do work at that date, not getting down to actual business before now. Very often these lagging varieties are those of the preceding season's introduction. This fact makes it hard to give an intelligent opinion as to the merits of the "newer carnations" to-night, and is my apology for the shortcomings of this paper.

The introduction of carnation novelties has been so fast and furious that all of our varieties are "new carnations." We do not learn how to handle a variety, so as to get the best results from it, before another of the same color is introduced and has so many points of superiority over the old that the latter is discarded for the new, and another season or two of experimental growing started. It is this everlasting change, change, change that is responsible for a goodly portion of our failures.

Another source of failure for novelties the season after their introduction, is the pernicious habit of holding the delivery of cuttings until a late date in the winter or spring, instead of taking what good cuttings the plants produce right along and filling orders when stock is wanted. By holding all orders until a late date there are a number of deteriorating influences that are bound to have a decided effect on a portion of the stock sent out. If there is any demand for the variety worth talking about, orders will have to be filled, either with cuttings that have been rooted for some time and held over until date named for delivery, or they will be filled from stock propagated later, even, than the already late date named.

Another evil of this system, and the greatest of them all, is the necessity of having an immense quantity of cuttings for the special date, and if there is not a good supply of them rooted early there is danger of taking cuttings that should not be used and taking so many from the plants at one time that they are weakened for subsequent propagating.

Carnations are not boxes or hardware, that can be manufactured and stored away for future delivery. The cuttings should be taken at that stage of their growth when they will make the best plants for next winter, and the buyer

should have them direct from the cutting bench, as soon as they are rooted, if he so desires. His method of handling them after they are rooted and the introducer's may be entirely opposite, and it is more likely that he will know how to get the best results in his soil better than the introducer of the variety. When this is more fully recognized there will be fewer failures with novelties.

As to last season's introductions, in order to do no one an injustice, I have secured opinions from a few different localities and will give them as received, omitting only the name of the writer.

Starting with Boston, the "Hub of the Universe," a letter, dated November 22, says: "So far Ethel Crocker and Genevieve Lord have proved the best. Marquis, Lippincott and Peru not very promising so far. Olympia up to date not very free."

From New York I have two, dated November 15. One gives: "Up to date the only sort satisfactory is Genevieve Lord. Crocker is a great disappointment and so are all the others we have tried." The other one says: "Lawson is to date the best of any of the novelties. Lord is also showing up well. Early in the season Crocker made a magnificent showing of growth and plant and set of buds. Up to three weeks ago it was the finest bench of carnations on the place, with the exception of an unintroduced novelty. It then commenced to stem-rot and over half the plants are gone; what have survived are good plants and what few flowers we get are as fine as one could wish. Marquis made good growth in the field but lifted poor. It has proved late, decidedly short-stemmed and as far as we can judge will be at its best during February and March."

From Chicago, November 14, comes this word: "We place Lawson at the head of the list. Olympia is very satisfactory but are undecided as to whether it will displace Bradt. Marquis has not as yet done well; it is late in flowering, but from present indications it will give a lot of flowers from Christmas on."

Maryland, November 17, gives the following: "Genevieve Lord is leading them all. Lawson is next, although its short stems have as yet brought little money. Marquis is next with fine growth but with flowers very scarce and few expected before Christmas. Crocker would be ahead of Marquis if all the blooms were good, but a great many are streaked and bad color; we believe this will disappear later. It blooms early and comparatively free. Estelle

Olympia, Riley and Morning Glory look fairly well, but see nothing in their favor worthy of special mention."

Pittsburg, November 15, says: "Bertram Lippincott, very free and healthy grower; splendid. Olympia not doing much yet. Lawson picking up nicely. Crocker doing well; a free grower. Marquis, healthy, free bloomer and good grower."

From Indiana, November 19, (not Hill): "Ethel Crocker leads in pink with Lord a second. Lawson and Marquis show great promise for later in the season. Olympia did not make heavy growth in the field but is doing nicely in the house. Peru is now coming in and looks like a continuous bloomer."

California (not Sievers) gives: "Mrs. Lawson is 'O. K.' with exception of short stems for such large flowers. Estelle, a very good scarlet, will grow plenty next year. Olympia very good but rather single. Crocker best of all for winter. Lord could be larger. Peru lacking in form and does not keep."

My own observations of novelties is rather limited. What I have seen of Lawson would incline one to the belief that it will be a good carnation handled differently from what it has been this season. There is something lacking, and I think it is knowledge as to its habits, a knowledge that will be attained this winter and will no doubt place it with the standard sorts. Marquis is apparently a late bloomer and therefore a great disappointment at this time. It is to be hoped that its behavior later will overcome this early disappointment.

Crocker is, with me, and, as far as I have been able to learn, with all of my customers, a decided success. Without wishing to boast or detract from any other variety I want to say that I have plants of Crocker that will make from the date of their planting in up to January 1 as high as eighteen flowers per plant, by actual count, and that out of the thousands I have cut up to this date I have had practically none that could be called seconds, either from lack of color, size or form.

The failures that have come to my notice with this variety are nearly all with growers who feed their carnations pretty heavily, and this Crocker will not stand. Overfeeding will make it grow too strong and the flowers will come off color and often burst or poor shaped. This may not apply to every soil but it certainly does to mine. To get results that will place Crocker on its true merits the plants should be a good size in the field by August 20, or even earlier, and then housed into fairly rich soil. Then give them nothing else excepting good treatment as to watering and temperature, with possibly a little lime or good bone added to the soil some time during the winter when flowers are at a low ebb, as this addition of extra fertilizer will affect the plants at once, both as to the number of flowers produced and their quality, but in a few weeks the effect will be worn off enough to get them back to their natural conditions and this once should keep them going for the balance of the season.

Next to Crocker in earliness and a little ahead of it in point of productiveness is Genevieve Lord. The flowers are not nearly so large as Crocker and a portion of them come off color, the same as old Grace Wilder used to do, but this latter trait can, I think, be eliminated by selection. Olympia, with me, and as far as I have seen it, is ahead of Bradt in point

of productiveness and will, no doubt, become a standard sort.

Peru is, up to date, lacking in form, has some bacteria and lots of rust, but it is pure white and very productive, so that it may prove better than it looks. Elm City, a white that few growers have tried, is a model in form, full of petals, almost as large as Flora Hill and has, up to date, produced more flowers per plant than any other variety, with no sign of cessation, so that I think it will prove a stayer.

There is almost a universal complaint of stem-rot from many sections and the novelties all seem to be affected with an undue proportion of it. This matter will be brought up at the next meeting of the carnation society and fully discussed with the hope of getting some informa-



CARNATION GUARDIAN ANGEL.

tion. We Lancaster growers have practically no trouble in this direction. Whether it is owing to the pure moral and religious atmosphere of our county, or the fact that we nearly all plant into solid beds instead of benches, or is simply a case of good luck, I am unable to say.

There are a number of new candidates that will be bidding for favor this season, all of which will be forcibly brought to our notice at the coming show of the carnation society. The usual number of seedlings are being tried for their second and third year and those growers who are wise will endeavor to have some of these in good shape for the show in Baltimore next February. Baltimore will be the Mecca for all carnation men then and the citizens of that city are waiting for us with the wide open arms of true southern hospitality.

Before closing I want to say that it is not always wise to give up the old varieties for the new, until you are sure of the new being the best. I have seen at Henry D. Rohrer's place Lily Dean that left nothing to be desired in the shape of a striped variety, White Cloud that seemed to lack nothing of being the ideal white, Crane that filled the bill entirely for a scarlet and Triumph that will net him more money per square foot than any of the new pinks. From what I understand the Dailedouze Brothers are as well off with several houses of Scott as if each plant were a share of Standard Oil stock. All of which goes to show that there is quite as much in the grower as in the

variety, and that no judgment should be passed on a novelty until it is properly grown. Then if it falls short it can be truthfully condemned.

We carnation growers are usually too positive in our opinions. As the years progress we will some day look back to the beginning of the century and wonder how we could have any positiveness at all with the varieties and methods then in vogue.

An Armazindy Sport.

At the recent exhibition of the Horticultural Society of Chicago the first premium in the class open to pink carnations not lighter than Scott fell to Guardian Angel, a sport from Armazindy, which originated in the greenhouses at the Guardian Angel Orphan Asylum, Chicago. The prize vase is illustrated herewith. N. A. Schmitz, the gardener at the Asylum, has been watching this sport for several seasons, and has been growing it largely for the wholesale market. He finds it has all the good qualities of Armazindy, including floriferousness, stem and habit. It is a popular color and a good seller, so that it will probably be disseminated next spring.

Chrysanthemum Novelties.

H. L. Ragan, of Springfield, O., has a cream yellow sport from Chrysanthemum President W. R. Smith of which he thinks highly and which is herewith illustrated. The sport has been christened Gold Smith and those who are acquainted with the parent, as nearly everyone is, have a very good idea of the excellent character of the new candidate for popular favor, which differs only in color and in that, with Mr. Ragan, it is dwarfer than the parent, with a very strong stem up to the flower, which is, if anything, rather better finished and heavier. There is a tint of light bronze in the yellow and the flower makes a fine show. There is, without doubt, a commercial future before this sort. Exhibited at Cincinnati, November 17, it scored 83 points.

Of the many meritorious seedlings exhibited by Nathan Smith & Son, they consider Mrs. Elmer D. Smith as best of all, excelling even Goldmine, the great reflexed golden variety which captured the C. S. A. prize cup in 1899. It is a Japanese incurved, of most perfect form, full double and high, rounded center. It is bright yellow, deeper than Golden Wedding. In the contest for the prize cup of the Chrysanthemum Society of America, at Chicago, during the recent exhibition, Mrs. Smith stood second, falling but one point behind the winner, the sensational Canadian variety, Timothy Eaton. The blooms exhibited in Chicago were seven inches in diameter. Its height is scant three feet but stem and foliage are perfect. The originators expect this sort to rival Major Bonnafon, being brighter in color, more dwarf, very similar in form, with heavier and stronger stem. Four of the C. S. A. committees have passed upon this variety this season and have scored it to an average of 92.75 points. It reaches its perfection between November 1 and November 10.

Bracondale, Ont., is not wholly dependent upon the success of Timothy Eaton for the reputation of its chrysanthemum growers, for the seedling which George Hollis has been exhibiting as No. 222 is a white of largest size. It is illustrated herewith. The plant is a strong grower and the stem is heavy, well able to sup-



Gold Smith.



Mrs. Elmer D. Smith.



No. 222.

SOME OF THE NEW CHRYSANTHEMUMS.

port the well finished bloom. The variety was given a certificate of merit by the Toronto Florists' Association on November 22 and the stock has since been acquired by the F. R. Pierson Co., Tarrytown, N. Y.

Spot Disease of the Violet.

The following important facts are set forth by P. H. Dorsett, in Bulletin No. 23, illustrated, of the United States Department of Agriculture, issued November 28, 1900:

The subject of this paper is one of the most widespread and destructive maladies known to attack the violet. The disease has been discussed in the florists' journals under a variety of names, such as leaf spot, leaf rust, leaf blight, small-pox, etc. More commonly, however, the trouble is known as the violet disease, growers not generally recognizing the fact that there is more than one malady attacking the violet. The disease occurs throughout this country wherever the violet is grown, and is probably of American origin. The cultivation of the violet has been abandoned in many sections of the country on account of its ravages, while in others it has become necessary to adopt new methods of handling the plants during the growing season.

Five or six years ago, for example, 50,000 to 75,000 square feet of glass in the vicinity of Alexandria, Va., were devoted to the cultivation of this crop, but on account of the disease the industry has been practically abandoned. A large grower near Boston was forced, a few years ago, to abandon growing stock plants at his place on account of this trouble. He had to have them grown for him during the summer, at considerable expense, in localities that were free or comparatively free from the disease. After transferring these plants to his place in the fall and setting them in the houses he experienced little or no difficulty in keeping them healthy during the remainder of the season. Many other instances of the destructive nature of this disease could be cited.

The large amount of florists' literature

relating to this subject when collected and condensed was found by the writer to contain only a confused mass of contradictory opinions regarding both the cause and treatment of the disease. This is not strange to one familiar with the violet. All growers know the violet to be variable, seldom if ever behaving any two seasons alike. Practical growers recognize the fact that methods of handling the plants followed with little disease and good results during one season may, though rigidly adhered to, result in disease and failure the next.

It is also a well known fact that growers in the same section and in close proximity to one another often practice widely different methods in growing this crop, and yet the results obtained are practically the same. A novice in violet growing may have little or no difficulty the first few years in growing good flowers. After this, however, his troubles usually begin and failure more often than success crowns his efforts. Unless he is possessed of peculiar abilities and a determination to succeed a few years of reverses are sufficient to cause him to abandon the culture of violets and turn his attention to some other industry, where the chances of success are at least equal to those of failure.

GENERAL APPEARANCE OF THE DISEASE.

Spot disease of the violet (*Alternaria violæ*) attacks the plants at any stage of their growth from the small unrooted cutting in the cutting bed to the mature plant in full flower. Plants that are making a vigorous, rapid, but soft or succulent growth are most subject to the disease. The disease may occur on any portion of the plant above ground, but causes the greatest amount of loss when present upon the foliage. Its first appearance upon the leaves is characterized by small, definite, usually circular, greenish or yellowish white spots, resembling very much the bite or sting of an insect. They vary in size from dots scarcely perceptible to the unaided eye to spots a thirty-second of an inch or more in diameter. The light-colored central portion or point of infection is surrounded by a narrow ring of discolored tissue,

usually black or very dark brown at first, but changing to a lighter shade as the spots grow older.

As the spot develops the central portion remains unchanged in appearance, while the tissues immediately surrounding it, either to one side or more frequently in a circle, become diseased by the ramifying growth of the mycelium of the fungus through this portion of the leaf. This usually takes place within a few hours after infection. The freshly diseased portion of the leaf at first presents a water-logged appearance, frequently being semi-transparent, and is lighter in color than the adjacent healthy tissue. The diseased portion around the central point of infection in a few days fades or bleaches to a yellowish or grayish white, sometimes to a pure white, the time depending somewhat upon the conditions of the weather.

The development of the disease may stop at this point and the plants apparently entirely recover from its effects; in which event the diseased portions of the leaves after a few days separate from the healthy tissue and fall out, leaving the leaves full of holes. More frequently, however, the disease continues to develop in the parts of the leaf adjoining or surrounding those already diseased. These freshly diseased areas in turn pass through the same changes as the parts previously attacked. Unless checked by some means the disease continues to spread in this way until the entire leaf is destroyed. It is seldom, however, that a single spot upon a leaf develops to this extent. More frequently the leaf is attacked at a number of different points and as the disease progresses the spots become larger and one or more of them coalesce, forming large irregular areas or blotches upon the leaf.

A well-developed spot of this disease therefore shows a light-colored central portion, the point of infection, partly or wholly surrounded by alternate rings of dark and light colored tissue, the lighter colored portions as a rule being very much broader and more conspicuous than the darker. The majority of these

spots are usually free from fungous spores except under conditions peculiarly favorable to their development. Spores are produced, however, in great abundance upon most of them, especially upon the central or older portions of the spots, after the leaves have been placed in a saturated atmosphere for from twenty-four to forty-eight hours. It is frequently the case that spores are produced in sufficient numbers to be discernible by the unaided eye, but usually the aid of a hand lens or a microscope is necessary to determine their presence. The spores are borne in chains on dark brownish hyphae that rise from the diseased surface. The spores break from their attachment and separate from each other easily, and being very small and light they are carried around by currents of air and finally settle upon other leaves.

THEORIES AS TO CAUSE OF THE DISEASE.

Perhaps no subject relating to floriculture has received more attention in the floricultural and horticultural journals during the past eight or ten years than the disease in question. The most varied opinions have been expressed in regard to it, and the explanations advanced as to its cause and the possible course of treatment are numerous. Some of the more important of these hypotheses are given here.

Some writers claim that the plants are of necessity weakened by being forced during the winter into heavy flower production, and that the taking of cuttings from such plants, and the rooting and forcing of them in the same way from year to year has resulted in producing a weak strain peculiarly susceptible to injury of all kinds. They recommend fall

propagation to secure strong, vigorous healthy wood before the plants are weakened by flowering. The cuttings, after being rooted in clean, sharp sand, are transplanted into thumb pots, or into flats and carried through the winter in a house or in frames, where the temperature is kept as low as possible, not allowing the plants to freeze, however. By this treatment the plants are given a rest, which is believed by many to be necessary to strong, vigorous growth. While growers generally admit that slightly better results are usually obtained by this treatment than by the one generally practiced, they are, as a rule, of the opinion that the benefits derived will not justify the expense necessary to carry the young plants through the winter in good condition for spring planting. This is an important problem, the practical solution of which would no doubt prove of great value to all interested in the cultivation of the violet. We have this work under way at the present time, and hope in a few years to obtain some interesting results.

Other writers claim that the disease is due to improper soil conditions. The soil is either too heavy or too light in texture, and as a consequence holds, or gives up, too much or too little moisture, or contains too much or too little plant food. They advise selecting soil suited in every way to the best growth and development of the plants. Since good soil is one of the prime factors governing strong, vigorous, healthy plant growth, this advice is good, but extremely difficult to follow. The question of securing proper soil is one of the most perplexing with which the grower has to contend,

requiring judgment that can be gained only by many years of practical experience.

Still others attribute the disease to improper methods employed during the growth of the plants, such as growing them in the open field, where they are exposed to drought, rains, dews, and the direct rays of the sun during the summer, and lack of attention to properly heating, ventilating and fumigating the houses and to cultivating, watering and cleaning the plants. As a remedy they propose furnishing the necessary conditions for vigorous, healthy growth at all times. This is a good doctrine, but begs the question.

FUNGOUS NATURE OF THE DISEASE.

Over four years ago the writer succeeded in producing upon violet leaves spots that were in every way identical with those above described by spraying the leaves with distilled water to which spores of the fungus, *Alternaria violæ*, had been added. Since that time he has proved by numerous laboratory and greenhouse experiments, details of which will be stated presently, that the so called spot disease of the violet is unquestionably due to the attacks of this fungus. Other fungi are known to attack the violet, producing upon the leaves spots very similar in outline and appearance to those caused by *Alternaria violæ*, with which they are often confused, but in the writer's experience in the study of the violet and its diseases he does not recall a single instance where these fungi have come to his attention as causing any serious trouble. It is possible, however, for them to do considerable damage under conditions peculiarly favorable to their development. Ninety-five per cent of all the specimens of the so-called violet disease received at the Division laboratory during the past four or five years were found, upon careful microscopical examination, to contain spores of the particular fungus mentioned.

The fungus was isolated by agar poured cultures in Petri dishes, and comparatively little difficulty was experienced in securing pure cultures for inoculation experiments. The growth and development of the fungus on artificial media is, as a rule, quite rapid, normally producing spores in from four to six days after the sowing of the spores or the transferring of a single germinating spore from one plate culture to another.

The growth of the fungus in agar is normally in concentric rings, each ring marking the amount of growth made in twenty-four hours. The color of the fungus growing on agar before spore formation is grayish white. Spore production begins at the center on the older growth, and gradually extends outward, until the entire surface of the colony is covered with a dense mass of olivaceous spores. The fungus grows well on other culture media, especially young lima bean pods.

The first inoculation experiment with *Alternaria violæ* was made February 12, 1896. Two plants of Marie Louise violet, in 4-inch pots, were removed from the Department greenhouse to the laboratory. They were quite uniform in size and, as far as could be ascertained by observation, entirely free from disease. Plant No. 1 was sprayed with sterile distilled water and placed under a bell jar in a saturated atmosphere, where it was kept. Plant No. 2 was sprayed with sterile distilled water in which spores from a pure culture of *Alternaria*



NEPHROLEPIS WASHINGTONIENSIS AS GROWN BY A. GUDE & BRO., WASHINGTON, D. C.

viola had been sown, and was then placed under the same conditions as Plant No. 1. The temperature of the laboratory at the beginning of the experiment—3:30 p. m.—was about 80° F. The following notes, made during the progress of the experiment, are descriptive of the results obtained:

February 14, 1896, 9:30 a. m. Plant 1 apparently in a perfectly healthy condition, leaves covered with moisture, but showing no ill effects from the spraying or from being kept in a saturated atmosphere. Plant 2 badly diseased, nearly every leaf showing one or more spots of infection, which are in every particular identical with the first stages of the disease as naturally produced.

February 15, 1896, 9:30 a. m. Plant 1 still remains healthy and apparently uninjured by the treatment. On Plant 2 the disease is progressing rapidly. There is a peculiarly disagreeable odor present when the bell jar is removed that is not noticeable under the same conditions with Plant 1. This odor, so far as I am able to judge, is identical with that noticed with plants suffering from an attack of the disease under normal conditions. This odor is one of the characteristics of the disease, and its presence in the house, frame, or field is usually the first intimation the grower has of the presence of the disease among his plants.

February 19, 1896. Plant 1 still healthy and apparently in good condition. The spots on Plant 2 are a little further developed and resemble more closely those produced under natural conditions.

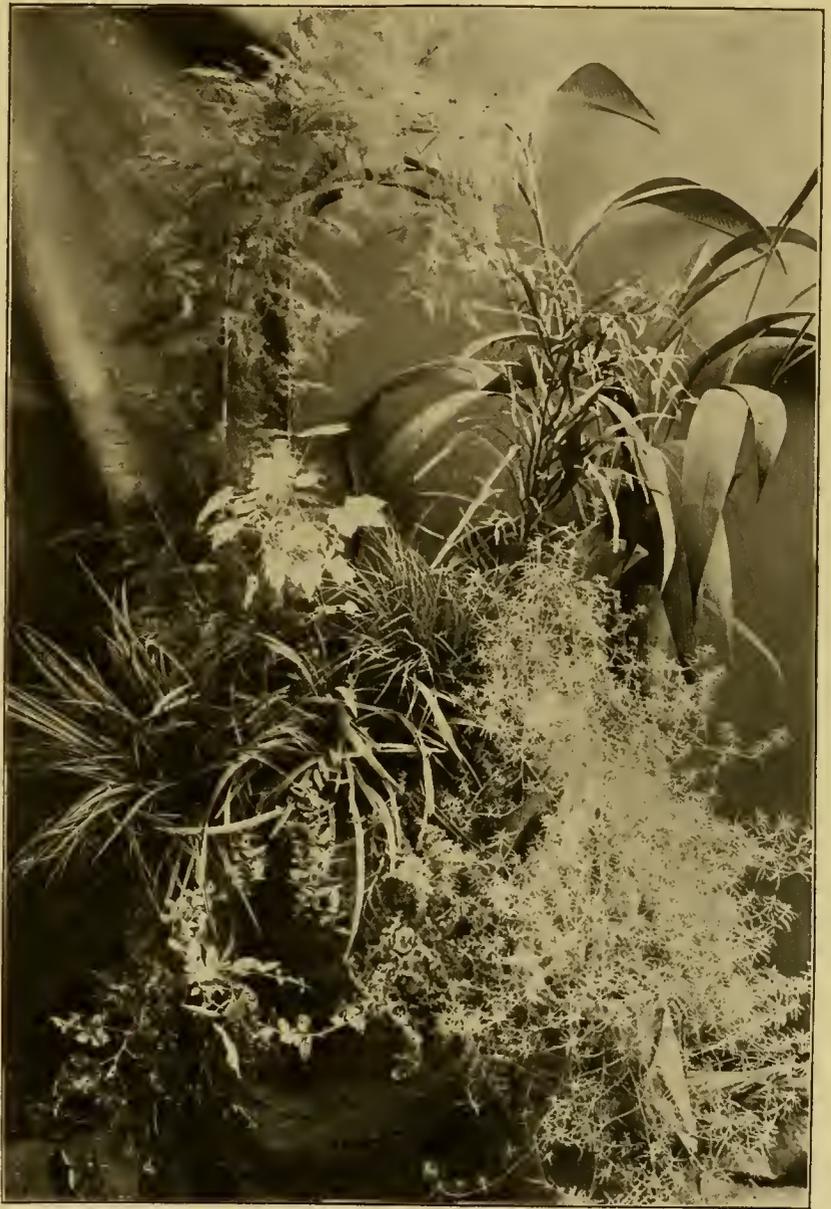
Numerous greenhouse and laboratory experiments under strict control conditions have confirmed these results, and show that spot disease of the violet is due directly so the attack of the parasitic fungus *Alternaria viola*, and not to any of the other causes suggested. Indirectly, however, other conditions may have their effect. Any one or a combination of all of the conditions included in the various theories advanced may cause the plants to become susceptible to the attacks of the fungus.

CONDITIONS FAVORING DEVELOPMENT OF DISEASE.

The conditions favoring the development and spread of the fungus may be considered under two heads, viz., natural conditions and artificial conditions.

Among natural conditions those of the damp, warm, cloudy weather of the summer season are the most difficult to modify or control. Conditions of this nature are almost invariably present during the months of August and September. The days are long and usually hot and dry, followed, as a rule, by cool, moist nights. The plants at this time are subjected to extreme changes, viz., from the hot, dry atmosphere during the day, which frequently causes them to become wilted and remain so for several hours, to the cool, moist atmosphere of the night, which causes them to become excessively turgid. Conditions of this kind induce a rapid, weak, soft or succulent growth of the plants which is particularly subject to disease and at the same time favors the germination and development of the spores of the fungus. It is at this season of the year, as a rule, that the spot disease is most abundant and destructive. This is the time for great vigilance, and every condition influencing plant growth must be made as favorable as possible to a hardy, healthy growth which will be able to withstand the attacks of disease. The grower who is able to accomplish this and tide his plants over this critical period of their growth in a comparatively healthy condition is fortunate, and, as a rule, has little to fear from the disease during the remainder of the season.

Artificial conditions include those wholly or in part under the control of the grower. They are too often neglected, resulting as a rule in disease and consequent loss and discouragement. They may be enumerated as follows:



AN HARMONIOUS ARRANGEMENT OF PLANTS OF EASY CULTURE.

1. Not keeping the houses or frames clean, fresh, and sweet by frequently repairing and painting them and by removing and destroying rubbish of all kinds as soon as it appears.

2. Not keeping the plants clean and in the best possible growing condition at all times.

3. Not selecting stock from strong, vigorous plants that have been entirely free from disease.

4. Not being careful to select only strong, vigorous, healthy stock from the cutting bed for planting in the spring.

5. Not giving the proper attention to the selection and preparation of the soil, to the date and method of planting, and to the care and cultivation of the plants during the growing season.

6. Not giving due consideration to the several varieties and their adaptability to the soil and location in which they are to be grown.

SUSCEPTIBILITY OF VARIETIES.

While the susceptibility of the plant to disease depends largely upon the way in

which it has been grown, still, as a whole, some varieties are more susceptible than others; Marie Louise, for example, even under conditions most favorable to growth, is more subject to injury from spot than is Lady Hume Campbell. The former variety can be grown to perfection only under the most favorable conditions, but when thus grown it has no equal for size, color, and excellency of flower. The hardier, more resistant and more prolific variety Campbell stands next to Marie Louise in quality of flowers, lacking only the deep rich color of the latter. The single varieties are as a rule more resistant than the double, though occasionally they are seriously affected.

PREVENTIVE MEASURES.

So far as we are aware there is at present no effective remedy for this disease when it has gained a foothold. The principal fungicides in common use for the prevention and check of plant diseases have frequently been tried for this trouble, but with varying results. The experiments of the Division in spray-

ing violets with some of the more important of these, among them Bordeaux mixture and ammoniacal solution of copper carbonate, seem to show that they possess little or no value in preventing the disease, while on the other hand they render the foliage worthless for bunching with the flowers, and thus occasion considerable loss and inconvenience. From the writer's experience and that of many others it would seem that the solution of this problem of controlling the disease lies in preventing it by giving careful attention to the production of vigorous, healthy plant growth rather than in attempting to check the trouble after it has once gained a foothold.

The successful growing of violets free from disease and the production of flowers of the best quality are governed by a number of factors which must be kept in mind. The principal rules which should govern the grower are the following:

1. Study carefully the behavior of the plants under the varying conditions surrounding them. Endeavor by modifying these conditions, when necessary, to secure plants of ideal development. Set the standard of excellence high and be satisfied with nothing short of its attainment.

2. Grow the plants during the entire season where they can be given the conditions necessary for making a vigorous, healthy growth, and where they can be protected at all times from conditions likely to induce disease.

3. Keep the houses or frames clean, sweet, and in perfect condition for growing healthy plants, by repairing and painting them when necessary, and by removing and destroying all rubbish likely to harbor vermin or disease.

4. Propagate only from healthy, vigorous stock of known parentage at the season most favorable to the plants.

5. Select each spring none but perfectly healthy, vigorous plants from the rooted cuttings for planting into the houses or frames. Old plants are sometimes carried over, and occasionally yield a large crop of flowers. They are not as reliable as the young plants, however, and are much more liable to all kinds of disease. The best growers rarely use them if it is possible to secure strong, healthy young plants for spring or early summer planting.

6. Keep the plants clean of yellow, dead, or dying leaves, being careful to destroy them after removing them from the plants.

7. Keep the plants free from insects and other animal pests.

8. Give careful attention to ventilating, heating, and shading the houses or frames and to watering, cleaning, and cultivating the plants.

9. Renew the soil in the beds each season before setting in the young plants by removing from eight to twelve inches of the surface soil and replacing it with that freshly prepared.

10. Set the young plants early in the spring in the beds where they are to remain during the season, so that they may get well established before the hot, dry weather of summer makes its appearance.

Careful attention given to the above directions for a number of years will, it is believed, result in the production of a strain of plants that are not only practically disease resistant, but are also ideal as regards regularity and symmetry of growth, length, and strength of flower stems, and yield, size, substance, and quality of flowers produced.

Plants for Baskets and Pans.

There will be a demand during the winter, particularly at holiday time, for arrangements of flowering plants, either in baskets or pans. An essential feature in plants for such work is that they be well furnished at the base, so as to cover the pot; that means that they must not be crowded while growing. When you undertake to arrange a basket of plants provide something as a special feature. It is best that it be some perfect specimen of a seasonal plant, something possessing individuality, which must not be made obscure by clustering various companions about it. Have the others selected and placed so as to assist the variety selected as a leader.

For filling baskets one should have a fresh set of leaders about twice a month; that would be twenty-four varieties annually, so selected as to mature at nearly equal distances apart dur-

The beautiful, drooping plant at the lower right corner is gray green; *Lotus peliorhynchus*, a most charming plant and easily grown. The *coccoloba*, with its curious, flat stems or leaves, is always pretty and interesting to a customer. The variegated *abutilon*, now commonly used for bedding, and the old-fashioned drooping variety, often fills in, with its peculiar brown tints, to advantage and the *carex*, with its grass-like foliage, is almost always useful, particularly where bulbous flowers are used.

The florist who caters to the public and the grower who wishes to have business from the best storekeeper, must contrive to co-operate in the supply and arrangement of these details. Flowers at so much a dozen, the same as eggs, are not what flower-lovers are looking for now-a-days; it's the effective arrangements which can be easiest accomplished with the assistance of potted plants, a



ESTABLISHMENT OF JACOB SCHULTZ, LOUISVILLE, KY.

ing the twelve months. Some of the plants suitable for this purpose are euphorbias, begonias, justicias, primroses, cyclamens, azaleas, lilacs, deutzias, spiræas, the various flowering bulbs, pansies, heliotropes, the choicest geraniums, pot grown campanulas, allamandas, mahernias, choicer amaryllises and crinums, peperomias, anthuriums, cyripediums and other orchids, erythrinias, eucharises, hydrangeas, calceolarias, ericas, metrosideros, lopezias, some of the cacti, etc.

The common mistake is to crowd into one arrangement too many blooming plants. Every florist should have constantly on hand a few plants that are decorative without flowers that will always be ready to assist in filling a basket and bring out the beauty of your leader, whatever it may be. The illustration on page 625, of a small group of such plants, will perhaps illustrate my meaning. Every plant here shown is easily grown; they are of form and color always convenient to arrange and varying so in character as to render the selection for harmony quite easy, no matter what blooming plant you have to deal with. Of course there are the ordinary ferns and *Asparagus plumosus* and *A. Sprengeri*, as well, but they are made to do service for almost everything now, which is a pity. The *Asparagus tenuissimus* here shown is surely the most useful variety for florists' general use, whether used cut or in pots; no decorator can afford to be without it.

departure also which enables a grower to serve many customers with less waste than is entailed in the ordinary method of consigning cut flowers to the commission dealer. All crops of plants hold for several days and can be sold by sample and shipped as wanted, the special crops can be brought on in various quantities as the season warrants and the business is one of many attractions aside from the profits. C. B. W.

A Kentucky Establishment.

The accompanying illustration shows the greenhouse establishment of Jacob Schultz, at Louisville, Ky. It can be seen at the place that there is nothing commonplace about the range, the low granite wall, the group of lofty trees in the background removed far enough so as not to obstruct the light, the fine residence, suggestive of ease and comfort, and the elegant office, all combined, making it one of the finest as well as one of the most picturesque places of the kind in the country.

The story of the proprietor's business career is but a leaf from the history of floriculture for the past quarter of a century. It is the story of healthy, continuous and uninterrupted growth, of advance and progress along the lines of a chosen life's work. Mr. Schultz, although a commercial florist, and of the conservative school, is an enthusiast, withal, there being no plant, rose, carnation or chrysanthemum of any merit but

what is grown on his place, and to hear him speak of the past, as compared with the present, one cannot help but entertain the brightest hopes for the future. Unlike many old-timers he holds with Lowell, that: "Think not the past is wise alone, for yesterday knows nothing of the best."

It is therefore safe to assume that Mr. Schultz will invest in quite a few novelties of "to-day," although those of "yesterday," such as The Marquis, Mrs. Lawson and Ethel Crocker, are doing well with him. It is the best, and the very best, that he is after. Besides remodeling his entire plant, Mr. Schultz has added a violet house 15x140, and a fern house 20x150. Three new boilers, each of forty horse-power capacity, were likewise put in during the past summer.

NOMIS.

Pan-American Notes.

The month of November was one of the worst for outside work that we ever remember and somewhat retarded the finishing up of the ground work around the buildings. Between snow storms and rains the horticultural department managed to get in all the bulbs. Of hyacinths, tulips, narcissi, Spanish irises and other kinds there are upwards of 200,000 planted in the various beds in that portion of the grounds known as the music gardens. There are upwards of 150 beds and with few exceptions, they are filled with spring flowering bulbs, and are the exhibits of many different firms.

These beds are of all sizes, ranging from a surface of 100 square feet to that of 8,000 square feet. This portion of the grounds, which one enters immediately from the Elmwood gate, consists of some fifteen to twenty acres and is practically finished. It must present a most beautiful appearance in the spring, as those few beds not occupied by bulbs will be filled with pansies. There are about twenty-five beds reserved for pansies, which will be planted as soon as the ground is in condition to work in the spring, and a few are occupied by hybrid perpetual roses, so that during the month of May this part of the grounds will be most attractive. A large quantity of herbaceous plants has also been planted in several long borders.

The department of works has also planted about a quarter of a million bulbs. The two long borders on each side of the cascades, each about 500 feet in length by fifteen feet in width, are planted with a great variety of hyacinths and tulips in geometrical designs. The large beds destined for summer blooming plants have also been filled with bulbs. These must make a most brilliant show in the early days of the exposition. With all the inclement weather a great deal of planting has been done in the neighborhood of the island, on the banks of the eastern canal and in that portion of the grounds occupied with the foreign and state buildings.

The large consignment of palms, dracaenas, oranges, etc., from California has been carefully housed in large wooden buildings with sufficient light for their welfare. As there are to be thousands of feet of boxes filled with flowers and drooping and climbing plants, and also many hundreds of vases to adorn the grounds, the propagating at the greenhouses is going on very rapidly. With all these and the immense amount of carpet bedding that the plans call for an enormous number of plants will have to be ready by the first of June.

WM. SCOTT.

New York.

LITTLE ACTIVITY IN WHOLESALE MARKETS BUT CROPS ARE LIGHT AND SUPPLIES NOT ACCUMULATING.—PECULIAR STATUS OF THE VIOLET.—POPULAR PRICES IN DEMAND.—VARIOUS NOTES.

The cut flower market is decidedly inactive this week and all that prevents a disastrous breaking of prices is the rather light crop in some lines and the practical exit of the chrysanthemum as a disturbing factor. The warm, sunny weather of Sunday and Monday served to replenish the stocks depleted by the Thanksgiving demand and since then there has been an abundance of everything for all needs, with but slight prospect of any recurrence of last week's conditions until the Christmas rush is upon us, and there are no reliable indications as yet as to what may develop then. Roses are running poor, the proportion of off-colored specimens being large. Carnations improve every day, holding their own as to price as well as anything else on the market. Narcissi and Roman hyacinths are increasing in quantity with a downward tendency in values. Violets have probably seen about all they will see of very high prices for this season. They are lower than for some weeks and the plants are full of buds ready to open soon, so that no legitimate scarcity is likely. The sooner they come down to a popular figure the better for the violet, the man who grows it and the man who sells it. The great majority of the city florists refuse to touch violets when they reach the prohibitive price and their sale is limited to the few very high-class establishments. At an acceptable figure hundreds of the smaller florists are ready to invest and distribute them as a flower so universally liked is entitled to be distributed. In the long run it is unquestionable that the violet grower benefits by moderate prices and the steady demand thus encouraged.

George Ditzenberger, who conducts a business at Seventy-fifth street and Fifth avenue, Bay Ridge, has caused the arrest of Albert Zaugg, a grower employed by his father, on a charge of attempted blackmail. Zaugg is said to have threatened to prosecute Ditzenberger for stealing a watch unless paid for silence. It is a trivial affair.

Kretschmar Brothers are sending a quantity of fine seedling carnations to Langjahr, which find a quick sale. Standard varieties are also coming in good form from these successful growers, Flora Hill especially being of exhibition grade.

John Reickert, the Union Hill expert, has about 2,500 fine azaleas in perfect shape for Christmas.

Will, second son of A. Hulsebosch, aged nine years, died on November 22, of scarlet fever.

Chas. Scallen is contemplating the opening of a new store on Forty-second street.

Visitors last week: W. R. Smith and W. F. Gude, Washington, D. C.; H. H. Battles, Philadelphia; C. H. Fleming, Bridgeport, and J. N. Champion, New Haven.

CAMBRIDGE, MASS.—Timothy J. Galvin, head gardener at the Harvard observatory, and Miss Nora A. Bresnahan were married Thanksgiving evening.

NEW HAVEN, CONN.—Roderick McKenzie, who has been gardener for E. Henry Barnes for nineteen years, died on November 26, having been ill but five days with typhoid fever.

Boston.

MARKET SWEEP CLEAN AT THANKSGIVING AND GREENHOUSES CUT BARE.—SCARCITY AND HIGH PRICES PREVALENT.—DEMAND IS FOR BEAUTIES.—WHITE LILAC A NOVELTY.—DOINGS OF THE MASSACHUSETTS HORTICULTURAL SOCIETY.—VARIOUS NOTES.

The Thanksgiving holiday left the market in this locality, as on similar occasions, bare. Chrysanthemums had been practically mowed down by their owners, who had become tired of seeing them around, and, everything else having been cut close, the next few days brought troublesome conditions for everybody. The advanced prices on all kinds of flowers were only tantalizing to the growers, who, with nothing to cut, could take no advantage of them. The retailers were equally unhappy because they found themselves, for the time being, at the mercy of the dealers, hence "couldn't make any money," and the wholesalers were nearly overwhelmed with demands from all sides, which they found it impossible to gratify.

A peculiarity of this market at such times is the way the producers suddenly become buyers. New England is plentifully supplied with small growers who do a local business and either sell their surplus in the Boston flower exchange or ship it to Boston wholesalers, who have learned, however, that they may expect nothing from these people at holiday time or when crops are off generally and stock scarce. At such times the growers are on the market as buyers and all the logic and eloquence in the world is ineffectual to convince them that they are getting a fair deal when they are called upon to pay three or four times as much as they were able to realize on the same kind of goods when they had them to sell.

A novelty offered here at present is white lilac and it comes from Philadelphia—hence is good, as is everything that comes from that estimable town. It is grown by Francis Supiot and Welch Bros. sell, or try to sell, it. It is the habit of some retailers to perpetually criticize the flower growers for not producing something besides the half dozen or so standard florists' flowers, but when a really nice thing, such as this lilac is, appears, it appeals in vain to these fastidious gentlemen, who, however, clamor for Brides and Bridesmaids incessantly. In this instance, the Brides and Bridesmaids being impossible, the lilac and even the despised Paper Whites had to be taken, but there was much grumbling thereat.

American Beauty growers have been wishing for the past week that they were the possessors of ten times as many houses as they have. The question of grade was overlooked for once and buyers were satisfied if only they got Beauties, regardless of the distinctions of fancies, extras and specials. In some degree this has also been true of all varieties of roses. Carnations are in short supply, too, and the field being now deserted by the chrysanthemums every carnation has its value to-day. Roman hyacinths have arrived and will now assist the Paper Whites in caring for the funeral demands.

At the meeting of the Massachusetts Horticultural Society on December 1, Walter Hunnewell was elected to fill the vacancy on the finance committee caused by the resignation of his father, H. H. Hunnewell, and F. H. Appleton was selected to replace Walter Hunnewell on the executive committee. The matter of

an appropriate exhibition on the occasion of the opening of the new horticultural building next spring was discussed at length and a proposal that the building committee arrange with Prof. C. S. Sargent to assume the entire management of this notable event was received with unanimous approval. It is understood that this will be a non-competitive display.

A sheet has been prepared by the Secretary giving in detail all the changes from last year's list as made in the prize schedule of the Massachusetts Horticultural Society for the coming year and copies of this as well as of the full schedule may be obtained by intending exhibitors by addressing Robert Manning, secretary, Horticultural Hall, Boston. The exhibitions scheduled after May 1 are conditional upon the new hall being in shape to accommodate them.

R. M. Grey, gardener for Oakes Ames, started for Cuba on Friday, November 30, to make a scientific investigation of certain features of the sugar cane industry.

The annual exhibition of children's herbariums at Horticultural Hall was held on Friday and Saturday of last week. Both halls were filled.

Philadelphia.

BUSINESS MOVES ALONG AT A LIVELY PACE. —A HUSTLE TO GET STOCK AND FILL ORDERS.—PRICES ARE UP.—THE FIGURES ON THE STAPLES.—GOOD FLOWERING PLANTS FOR CHRISTMAS.—MONTHLY MEETING OF THE CLUB.—SOME GOOD EXHIBITS.

Last week was all right; it was a grand hustle from Monday until Saturday. The debutantes, Thanksgiving day and two big foot ball games kept everybody busy, first getting flowers and then filling orders. Prices stiffened somewhat, but not to any great extent. Beauties are most in demand at prices ranging from \$2 to \$6 per dozen, the latter figure for the very select. Teas are scarce at from \$6 to \$12 per hundred. Liberty is scarce as yet at from \$12 to \$15. Carnations are not loading up the cool rooms to any extent and all good stock is quickly taken up at from \$2 to \$4. Scott, Cartledge and Hill are most common, with Crocker, Crane, Maceo and a few Lawson among the fancies. Good greens are becoming more necessary all the time and there is a great demand for good adiantums at from 75 cents to \$1 per hundred. Asparagus plumosus sells last if in sprays at from \$2 to \$4 per hundred sprays. Lily of the valley has been scarce at \$3 to \$4. Romans and narcissi are now in all the commission men's stocks at from \$3 to \$5. Violets are scarce but of good quality. Prices for singles are 50 cents to \$1 per hundred. Doubles range from \$1 to \$2.

The outlook for Christmas stock in this market, in the way of blooming plants, is good. Robert Craig & Son's begonias are easily first in point of beauty and effectiveness. They have a lot put into pans with birch bark coverings, some planted with ferns around the edge and others plain. They are fine and should sell on sight. Azaleas will likely come next in favor and Craig, Harris and Becker are each strong in their stocks of azaleas. There are also a number of smaller stocks about. Cyclamens come next, Craig & Son having about the only large stock. They are fine plants. Cox, of Second and Bristol, also has a nice lot. A lot of peppers at Craigs' should sell well, as they are a

novelty. In Jerusalem cherries John Westcott is strong. Zimmer also has a nice lot. Harris, it is said, may have in some bougainvilleas. There are several growers in with poinsettias, which are great Christmas plants. Boston ferns and other foliage plants, such as red dracenas, are also in demand, although the latter are nearly all sold out. There are but few primulas and scarcely any *Harrisi* lilies.

The December meeting of the club was rather slimly attended. There was a nice show of flowers on the billiard table, which is our exhibition stage. A vase of a dozen Queen of Edgely roses was the feature, the flowers being of good size, form and color. A smaller lot of the new hybrid tea, Robert Scott, also attracted attention, the specimens being good. John Kuhn showed his new red carnation, a fine flower, called John Habermehl. J. R. Dillon, of Bloomsburg, had a vase of his new white, Queen Louise, and Albert Herr exhibited Elm City, a good white, said to be very prolific. The feature of the evening was Mr. Herr's paper on carnations, which was read by Robert Craig. It appears in full in another column of this paper. "The best house ferns and why," is the paper for next month, by Charles Cox. "Ladies night" was discussed and the date set for this important entertainment was Wednesday, January 23. K.

Chicago.

A WEEK OF VARIABLE SUPPLY AND ERRATIC DEMAND.—WHOLESALE HAVES PLENTY OF STOCK BUT NOT THE THINGS MOST WANTED.—VISITORS AND THEIR DOINGS.—JOTTINGS HERE AND THERE AMONG THE CRAFT.—PERSONAL ITEMS OF VARYING INTEREST.

This has been another week like those immediately preceding, with supply variable and the demand so erratic that it has made the life of the wholesalers full of care and trouble. Last Saturday there was a demand for carnations which exceeded anything that has been known this season, but by Monday the call had fallen off on everything except for red and by the middle of the week the bright colored sorts were the only ones that were not dragging more or less. There were more roses than could be used to advantage, although the supplies were not large. The only items which have been briskly salable were Beauties and the higher grades of tea roses. For these the demand was fully up to the supply and the best grades were held at very good prices. Chrysanthemums are very nearly used up but a number of growers still have good stocks which will hold on until, probably, after Christmas, so that orders, particularly for yellow varieties, can be filled for some weeks to come. Violets seem to be behaving badly with all growers this year, as the supplies are very light. This may be a fortunate state of affairs, as the demand is very weak except for the very choicest qualities, and qualities are generally poor. Cattleyas are at an end for a time, unless obtained in the east, but there are ample supplies of such things as lily of the valley, hyacinths, narcissi and callas. Indications already point to large cuts at Christmas.

Capt. H. Schueneman is in port with his twenty-first annual cargo of Christmas green in the schooners *Ida* and *F. Moss*, tied up at the Clark street bridge. Capt. Schueneman lost the *Mary Collins* in a wreck on October 6, while going north in a fog. The insurance expired

October 1 and he was \$5,000 loser through the variation of his compass. Two years ago his brother, Capt. August Schueneman, was wrecked in the gale of November 7, while bound south with greens, and lost his life. This year's cargoes consist principally of Christmas trees, very little bouquet green being gathered. He has made some wreathing and what bulk green he had he sold at 10 cents a pound, although 12 cents has since been offered.

E. G. Hill, of Richmond, Ind., was in town this week exploiting the new roses Queen of Edgely, Marquise Litta and Robert Scott. The last named variety is a cross of Belle Siebrecht and Merveille de Lyon, raised by Robert Scott & Son, of Sharon Hill, Pa. It is a very prolific bloomer with globular flowers, quite full, and of an extremely pleasing shade of light pink. If persistent effort and a serene smile count for anything, Mr. Hill is making a strong impression with these novelties.

The Geo. Wittbold Company report sales steadily increasing on their new nephrolepis. They are not only highly gratified at the way the trade is taking to this, the only plant which they ever introduced to commerce, but are pleased to find that at their retail stores it is chosen by customers in preference to the Boston fern.

Kennicott Bros. Co. had a vase of Irene, Crabb & Hunter's pink seedling carnation, on exhibition this week that attracted much attention. They were very fine flowers on very good stems and upheld the variety's reputation as a keeper.

McKellar & Winterson this week received some of the finest violets which ever came to this market. They were from a Wisconsin grower and sold for \$3 per hundred. Unfortunately the shipments were but a few dozen bunches at a time.

Walter Retzer & Company have a house of azaleas of early varieties, many of which are showing color and will be in nice trim for Christmas. Most of them are already spoken for among the local retailers.

Mrs. C. L. Washburn has been gaining in strength in the past few days and on Friday was removed to Hinsdale, it being thought that she would convalesce more rapidly in the surroundings of her own home.

E. C. Amling is preaching quality to his growers. He tells them that, no matter the state of the market, the strictly high grade grower gets the best end of every transaction.

J. A. Peterson, of Cincinnati, came to town one day this week with samples of his stock of plants for the holiday trade, including some exceptionally fine *Adiantum Farleyense*.

Charles Wiffin, at Des Plaines, has recently completed a carnation house 16x144. His stock is in good shape and he is reasonably well satisfied with results thus far.

One of the week's visitors has been Frederick Dickerson, of Miami, Fla., a large grower of decorative plants and a leading wholesaler of Florida's floricultural products.

Experts declare that there never were finer American Beauty roses than those now to be seen in the new houses of Bassett & Washburn at Hinsdale.

Albert Fuchs has gone to New York, and confided to his friends that he was shortly to wed a Miss Richter, of that city.

Prices on bulk bouquet green are noted on the street at 12 to 15 cents per pound.

Joseph Reeve will open a retail store at the corner of Fifty-fifth street and Washington avenue, on December 8.

Martin Foley, of the Great Northern Nursery Company, of Baraboo, Wis., has been here this week.

Mrs. Lawrence Kelley and child went to Galesburg, Ill., Wednesday for a visit.

E. R. Tauch has withdrawn from the Harms Park Floral Company.

A. L. Randall has been slightly under the weather this week.

C. W. Ward, of Queens, N. Y., is expected here shortly.

Other visitors: Fred. Breitmeyer, Mount Clemens, Mich.; George Hopp, of Hopp & Lempke, Grand Rapids; Fred. J. Foster, St. Louis; A. C. Brown, of Brown & Canfield, Springfield, Ill.

St. Louis.

TRADE IS BRISK AND MUCH GOOD STOCK IS AVAILABLE.—RETAILERS ARE GETTING GOOD PRICES.—DOINGS OF THE STAR CARNATION GROWER.—VARIOUS ITEMS.

Stock is looking fine and nearly all flowers are selling at good prices. Roses are very plentiful, but good carnations are short of the demand. A few chrysanthemums are still seen and bring a fair price. Violets are coming in more regularly and from all reports a good crop will be on for Christmas. Some of the Brides and Bridesmaids that are seen on the market are of extra quality, the buds being very long, the stems strong and the foliage good. A few narcissi and lily of the valley are coming in.

J. W. Dunford has a very fine collection of new varieties of carnations from which he will retain the best for his next year's stock. He makes it a practice to invest every year in the new varieties to see how they do. This year he has only about 200 plants of Jubilee, compared with 1,200 last year, Crane taking its place, and next year he will drop Jubilee entirely. He is a great friend of Morning Glory and believes that it will surpass Day-break in every case. Wm. Scott is his principal variety and he gets it about as good as one could wish. His Bradts are also very good, having strong stems eighteen to twenty-four inches long. He does not believe in letting the plants bloom in the field but keeps the buds well pinched off, even after they are in the house for awhile, so that they start to bloom nicely the beginning of November and come in well for Christmas and New Years. He is very careful to send only perfect flowers to market and he bunches them in such a way so that every flower is visible when the bunch is held up.

Geo. Waldhart claims that prices are better than they have been for some years. His store is decorated very tastefully with palms and the ever present Boston fern, with a few chrysanthemums to give color.

Fred. C. Weber reports very good business. He has his store and one greenhouse filled with very fine palms and Boston ferns. He has done well with potted chrysanthemum plants.

C. C. Sanders has cut all of his chrysanthemums and so have several others, but a great many of the late varieties will be in for Christmas.

The Florists' Club will meet December 13, when several good papers will be read.

John M. Hudson has started a new store at 1212 Olive street. M.

PANA, ILL.—Frank Shaffer has suffered with a disease of the kidneys for a long time and is now confined to his room.

Toronto.

BUSY SEASON IS AT HAND.—NOVEMBER BUSINESS AHEAD OF PREVIOUS YEARS.—WANTED: A COMMISSION HOUSE.—VARIOUS NOTES.

We are now in a season of unusual activity in the cut flower trade, for the month just passed has proved to be the best November in our history, with twenty-five per cent increase over the record of a year ago. Stock of good quality is in great demand and the many orders received daily from the provincial florists leads us to believe that a commission house in this city would be a paying investment. Dunlop's successful exhibition at the meeting of the American Rose Society, at New York last spring, is bringing many letters from commission houses of the larger cities in the United States soliciting consignments of select stock, but so many orders are booked ahead that all available stock is wanted in the Dominion and good prices are being paid for it.

Large numbers of chrysanthemums are being received and in good quality, which sell readily at \$3 a dozen. Golden Wedding, Autumn Glory and Mrs. Jerome Jones are the leading varieties and make the store windows attractive. The prevailing dark weather has proved disastrous to Beauties and good stock is scarce and prices are away up. Teas are in good demand and sell at from \$2 to \$3 a dozen.

Grobba & Wandrey are sending in some very good cyclamens. This firm grows about 4,000 and supplies Toronto with specimen plants.

The F. R. Pierson Company, of Tarrytown, N. Y., has purchased chrysanthemum seedling No. 222, from George Hollis.

Mr. Nugent, of Young & Nugent, New York, is in the city. H. Y. D.

Kalamazoo, Mich.

PROSPERITY ATTENDS THE GOOD GROWERS AND RETAILERS OF THIS PROGRESSIVE CITY.—SIGHTS TO PLEASE.

One seldom calls on the Van Bochove Brothers without being ushered into a new house, the latest addition consisting of a violet house 20x150, one of the best of the kind I have seen. This may account for the exceptionally fine violets which they ship to the wholesale market. A new coal house, a packing room apart from their retail department and the extension of the cross house, or shed, 100 feet have kept them quite busy building, this season. But the end is not yet, for two more houses will be built next spring. At present their plant consists of sixteen modern houses, or 55,000 feet of glass.

A stroll through the range shows a fine lot of Brides, Bridesmaids, Perles, Beauties and Meteors, the plants looking clean and healthy and the buds perfect. When one sees Meteor roses as I saw them here, of perfect color and form, with long and erect stems, the wish for "something better" vanishes.

Nor are they less successful with American Beauty, of which they grow one house. The only undesirable feature about their American Beauties is that the supply is not keeping up with the demand. "Ship all the Beauties you have," is what they continually hear from their wholesale customers, and "I want some Beauties," comes by telephone from the ladies in the fashionable part of the town. A second house will be given to Beauties next season.

Carnations, both standard and new sorts, do remarkably well, among fancies

Mrs. Bradt being in the lead. Nor have they missed it on chrysanthemums, Vivian-Morel, Bonnaffon, Robinson, Wanamaker and several others being in quality all that could be desired.

The Dunkley Floral Company recently gave a chrysanthemum show which was well attended. Their chrysanthemums are, indeed, worthy of being exhibited, those grown to the single stem comparing favorably in size with the average Jersey cabbage, while otherwise the blooms are perfect and the stems good. Their roses and carnations, on the whole, look remarkably well. Among other things, I noticed a fine batch of cyclamen plants, which promise to bloom in profusion about Christmas.

Mrs. Dunkley intends to force a lot of hybrids and Crimson Ramblers for Easter. Both she and the Van Bochove Bros. report a brisk business. NOMS.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Mondays of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. First Tuesday in January, at 8 p. m. W. K. Wood, Sec'y, W. Newton, Mass.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. First and third Friday of each month, at 8 p. m. C. W. McKellar, Sec'y, 45 Wabash avenue, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. S. Bartlett, Sec'y, 313 East Second street.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Mondays of each month, at 8 p. m. A. H. Graham, Sec'y, 249 Euc id avenue, Cleveland.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Horticultural rooms, State House, Indianapolis. First Tuesday of each month, at 8 p. m. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House. Thursday evenings, at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-ninth street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty eighth street, New York.

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg day Flower Co., 504 Liberty street. Second Tuesday of each month, at 8 p. m. T. P. Langbans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardener's Club of Rhode Island, 96 Westminster street, Providence. Second Thursday in each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 8 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association. St. George's Hall, Elm street, Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 434 Spadina avenue.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge Sec'y 616 Washington street, Hoboken.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, A gate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.
Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

FROM England there is reported a
bronzé sport of Chrysanthemum Soleil d'
Octobre.

THE Liberty rose seems to be giving
uniformly satisfactory results to Cana-
dian growers.

HE is, indeed, a rare grower who has
not his hopes wrapped up in some cher-
ished carnation seedling.

FROM the viewpoint of glass manufac-
turers, both combine and independent,
there is every reason for an advance in
prices.

THE next two weeks will be the harvest
time of the plant grower, but as a matter
of fact many stocks of flowering subjects
are already sold out.

THE opinion is gaining that growers
should rebuild their old greenhouses in
modern style rather than add new ones
under present conditions.

DWARF fruit trees in fruit are at present
a Parisian fad in table decorations. The
cherry is the favorite, although peaches,
apples and pears are used.

ALEX. DICKSON & SONS, of Belfast,
Ireland, received an award of merit for
the Liberty rose from the Royal Horti-
cultural Society of England, November 6.

CORRESPONDENTS and advertisers will
find it to their advantage to get their
"copy" in early. Time is an important
factor in securing good typographical
display.

REPLYING to "Florist," with reference
to loss of plants by fire, we are of the
opinion that prominent growers in his
own vicinity should be able to give the
most accurate estimate.

WE cannot too strongly urge upon car-
nation growers the importance of clean
sand in the cutting bench, selected cut-
tings and not too much manure in the
soil at planting-in time. We thoroughly
believe that proper attention to these
points will largely do away with the
stem-rot, which has been so disastrous
this season.

PROF. B. T. GALLOWAY, whose address
at the New York convention of the S. A.
F. contained some interesting floricult-
ural statistics, estimates that not less
than a million dollars' worth of violets
are sold every year and that, were it not
for the violet spot, the production would
increase twenty per cent. He therefore
figures that the spot represents an
annual money loss of \$200,000.

American Carnations in England.

Mrs. T. W. Lawson carnation received
an award of merit from the Royal
Horticultural Society of England recently.
Some criticism was made in regard to
the color. The variety America received
the same honor and was designated as
of a salmon rose color.

Frogs in Mushroom Houses.

A writer in *La Semaine Horticole*
states that being greatly troubled with
insects and snails in a bed of mushrooms
—so much so that he was unable to
secure any perfect mushrooms—he intro-
duced a few frogs into the house. The
bed was quickly cleared of the pests and
the experiment is regarded as a perfect
success.

Chrysanthemum Society of American.

Following are the reports of the com-
mittees judging seedlings and sports:

CHICAGO, November 24. — Chestnut
Hill, yellow, exhibited by John N. May,
Summit, N. J., scored 88 points commer-
cial scale.

The variety exhibited by John N. May
at Philadelphia, November 17, under No.
112 has been named Zampa.

EDWIN LONSDALE, Sec'y.

Greenhouse Building.

South Hadley Falls, Mass.—Joseph
Beach, one house.

North Lisbon, N. H.—Wesley Gordon,
one house.

Cromwell, Conn.—E. S. Blinn, one
house.

West Manchester, N. H.—F. S. Worthen,
one house.

East Mansfield, Mass.—Vickery Bros.,
house 17x50. Dustin & Co., house
16x70.

Des Plaines, Ill.—Charles Wiffin, carna-
tion house 16x144.

To Pipe Greenhouses.

ED. AM. FLORIST:—I have 160 feet of
3-inch and 800 feet of 2-inch wrought
iron pipe which I wish to use in piping
two greenhouses 17x60 and 10x50, on
the same level. The boiler is a No. 6
Scollay hot water heater and stands two
feet below the level of the greenhouse
floor. I wish to run all the pipes under
the benches. How shall I connect the
flow pipes with the coils, and the returns
with the boiler? Where should the expan-
sion tank be placed? Would it be better
to have the returns discharge into the
expansion tank and thence to the boiler
or to connect them directly with the
boiler? E. P.

If 60° is desired in the narrow house
use a 3-inch flow and two 2-inch returns
on each side. There will then remain
sixty feet of 3-inch pipe which can be used
as a flow pipe on one side of the other
house, with four 2-inch returns. On the
other side use six 2-inch pipes, either two
or three of them flows and the others
returns. The pipes may be run down
hill, or the flows may be given a slight
rise and the returns a fall of about one
inch in ten feet. If the piping is arranged
on the down hill method, the expansion
tank should be connected with the high-
est part of the system and no air vents
will be required. The expansion tank
can be of heavy galvanized iron with a
capacity of fifteen gallons, with a 1-inch
pipe connecting the bottom of the tank
with the system and an overflow pipe
near the top to carry off surplus water.
L. R. TAFT.

The Mixing of Lime and Manure.

ED. AM. FLORIST:—I am sorry to have
been misunderstood by Mr. Rudd, or
anyone else, and wish to say that if they
will carefully read my article regarding
fertilizers they will find that I advise the
composting of the bone and manure for a
week or ten days and then, just before
using, adding the lime and wood ashes,
after application stirring it into the soil.
If the lime and ashes are mixed in with
the compost just before using and the
mixture, then applied at once and stirred
into the soil there will be practically no
loss of material and the action will be
much quicker and more satisfactory. Of
course if they are mixed in when the
compost is started there will be a great
loss of good material and I did not wish
to be so understood.

ALBERT M. HERR.

Publications Received.

THE PROTECTION OF SHADE TREES IN TOWNS
AND CITIES.—Bulletin No. 131, November, 1900,
Connecticut Agricultural Experiment Station.—
This Bulletin relates more especially to invest-
igations undertaken in the city of New Haven and
recommendations arising therefrom, but is most
interesting and valuable and will apply equally
well to the generally existing conditions of care-
lessness, neglect and wanton mischief which
occur in nearly every city and town. A careful
consideration is given to the causes of injury and
remedies are suggested. In discussing injury
from lack of nutriment the following odorless fer-
tilizer is recommended, the quantity being suffi-
cient for one acre:

50 lbs. nitrate soda,	\$1.13
300 lbs. cotton seed meal,	4.05
100 lbs. acid phosphate,	.75
100 lbs. muriate of potash,	2.13

Total 550 lbs. costing \$8.06

The mixture is to be made just before use and is
to be sown broadcast upon the ground immedi-
ately under the tree branches. Applications of
air slaked lime are also recommended in addition.
The mixture is also stated to be excellent for the
grass as well as the trees. Spraying for the
destruction of insects is discussed and formulas
given.

The elm, sugar, Norway and red maples, the pin
oak, the tulip tree and the sycamores are recom-
mended for street planting while the silver maple
is condemned.

An important recommendation is that, when
possible, especially in laying out new streets, the
trees be planted next the lot line, between it and
the sidewalk, instead of near the curb, as is com-
monly done. This gives more feeding room for
the roots, removes them further from the gas
mains, makes them less liable to injury by horses
and saves the cutting of roots when setting curbs.

The bulletin is well illustrated and will be of
great value to all interested in the subject.

CRUDE PETROLEUM VERSUS THE SAN JOSE OR
PERNICIOUS SCALE.—New Jersey Agricultural
Experiment Station, Bulletin No. 146, November,
1900.—In this bulletin Dr. Smith discusses fur-
ther successful experiments in spraying with
crude oil. In conclusion the following remarks
are made:

Extermination is impossible, but it is no more
impossible to grow fruit in spite of the scale than
to grow potatoes in spite of the potato beetle. I
would far rather have a pear orchard infested by
San Jose scale than one infested by the sennata
borer***.

We believe Prof. Bailey is on record with simi-
lar statements.

REPORT OF THE SECRETARY OF THE U. S. DEPART-
MENT OF AGRICULTURE.—This report has, as
usual, no reference to floral matters and gives no
indication that any work of the department has
been done in this direction.

The Profit of Chrysanthemum Shows.

The eleventh annual chrysanthemum
show given by Breitmeyer's Sons at their
flower store and conservatories in Detroit
proved an event of unusual interest to
the elite of that city. As usual Philip
Breitmeyer, who had the affair in charge,
proved equal to the occasion, the display
surpassing all his previous efforts. The
invitations, or announcements, sent out
were gems of the printer's art, and for
the benefit of those who may in some
future season wish to emulate the Breit-
meyer example in giving an individual

chrysanthemum show, I will quote their "Foreword" in its entirety:

"This season, the eleventh in our series of flower shows, promises an unusual and interesting yield of chrysanthemums. We have completed arrangements with the most extensive growers in New York, Boston, Philadelphia, Chicago, Indianapolis and Michigan. We shall be supplied with the choicest flowers, and in order that both early and late blooms may be seen in full perfection, we have decided to extend our exhibition over a period of two weeks, beginning Wednesday, November 7.

"We propose to make this display the finest ever seen in Detroit, not only as to numbers, but in size and variety of blossoms. The days set apart for the various displays will be announced in the newspapers. We trust that the kindly interest and appreciation given to these exhibitions in the past will continue and that lovers of flowers will make frequent pilgrimages to our conservatories during this November carnival of chrysanthemums."

It need hardly be added that the show was well attended daily, rain or sunshine. "Do chrysanthemum shows pay?" I ventured to ask the genial Phil.

"Most decidedly," he announced promptly, adding after a moment's reflection, "providing one does the thing rightly and expects no immediate gains. In other words, in giving a show put forth your very best efforts and count with certainty upon cumulative results rather than upon immediate profits."

Mr. Breitmeyer has had experience, and therefore he knows whereof he speaks.

NOMIS.

The Chicago Flower Show.

In spite of bad weather an average of 2,000 people for each of the five days attended the flower exhibition which recently occupied the corridors, first tier of boxes, main floor and stage of the Auditorium.

This was the tenth annual exhibition of this sort in Chicago, and it not only presented additional varieties as compared with those appearing on previous years but in general it marked the steady progress of that spirit of adventure in horticulture and that enhancement of skill which this series of displays has had so much to do in promoting.

While Chicago cannot compete in such shows with Boston, where they were begun during the last century, and where there is an endowed horticultural society and a special Horticultural Hall, public interest distinctly approves the efforts of amateurs and professionals in promoting these local events, and their influence is undoubtedly to be discerned not only in the gardens and greenhouses of the rich but at least to some extent and secondarily in the yards and windows of many common people.

The desire has often been expressed that such exhibitions might be held, on a smaller scale, in some of the poorer neighborhoods, as is done in foreign cities, for example in the People's Palace in East London, where considerable competition from the residents of the neighborhood is stimulated. The love of flowers is not so well developed among Americans as among the English people, where one will often see at the public market the wife of the wage-earner adding a "pennyworth" of flowers to her basket of family supplies. This national difference is also indicated by the lack in our cities of the window

flower boxes found in the business districts and the gay front yards which grace the humbler quarters of British cities.

Every flower exhibition is calculated to stimulate such embellishments of city life, and it is certainly to be desired that there should be flower shows of a neighborhood character in the closely inhabited districts of our cities, and that those districts should be enlivened with far more of the color and cheer of horticulture than they now possess.—*Chicago Tribune.*

Detroit.

BRISK BUSINESS AT THANKSGIVING IN MARKED CONTRAST TO THE CONDITIONS PRECEDING.—CLUB DECIDES TO HOLD A FLOWER SHOW.

Thanksgiving trade was certainly the very best ever known here and the activity in retail circles contrasted strongly with the period of rather sluggish trade that preceded it. It marked the wind up of the chrysanthemum season, though some fairly good flowers are yet on the market but find rather slow sale. Violets were never so scarce before at this season and the demand was unprecedented. Beauties and other roses, as well as carnations, all sold well and good prices prevailed, though perhaps not much in advance of the prices realized a year ago, except on violets. All the carnations obtainable were cleaned out and there were some reports of a shortage in Beauties and other roses. If the violets needed could have been secured it would have been a truly satisfactory Thanksgiving business throughout.

The club meeting Wednesday evening was largely attended, which was the result of a call by the president to consider the subject of a flower show next November. Everyone present was in favor of the show and all were enthusiastic in their determination to make it a success. It will be advertised and known as a "flower show" and, although chrysanthemums will predominate and will furnish the showy splendor, all other flowers obtainable in that month will be shown, and premiums offered to cover the same, as well as worthy specimens of palms, ferns and other decorative plants. The exhibits for competition will be confined to members of the club, but non-competitive displays by other growers will be accepted and properly provided for. A committee is already appointed and will meet next Tuesday evening to prepare a preliminary premium list.

The subject of credits between wholesaler and retailer and between the retailer and his customers was freely discussed with much interest, after which four more candidates were received into the club, which brings the membership up to seventy-eight.

Visitors: Ed. Fetters, Cleveland; J. A. Peterson, Cincinnati. J. F. S.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2320 South Park Ave., Chicago.

SITUATION WANTED—By rose grower and plantman. South-west preferred. WESTRALIAN, care American Florist.

SITUATION WANTED—Commercial place; age 19; 3 years' experience; references. R S, 1433 23rd St., Milwaukee, Wis.

SITUATION WANTED—By a practical florist and grower, as foreman, or would run place on shares. Address 53, care American Florist.

SITUATION WANTED—By experienced florist, single, for general greenhouse work. Address LAVRIDS NEELESEN, 1228 N. Western Ave., Chicago.

SITUATION WANTED—By an experienced gardener, single man. Reference given NATHAN F. HADGON, 6 Alplae et., Roxbury, Mass.

SITUATION WANTED—First-class florist, competent in all departments, is open to engagement in the vicinity of Chicago. Address X, care American Florist.

SITUATION WANTED—By first-class manager and propagator; capable to take full charge and handle men. Best of references. Address V, care American Florist.

SITUATION WANTED—By florist and seedsman of 20 years' experience in wholesale seed house, with firm where there is a chance to get on the road. Address W, care American Florist.

SITUATION WANTED—As second gardener or assistant in commercial place, by industrious man; 15 years' experience. Good references V S, care W. J. Stewart, 67 Bromfield St., Boston.

SITUATION WANTED—By florist, German; first-class hand in making up; 3 years in England. Highest references. Moderate salary to begin with. Address C O, 8 Artesian Road, London, W. England.

SITUATION WANTED—By a practical grower; thoroughly competent in every branch of the trade. Steady and sober. Best of references. Age 28. Address CHICAGO, care American Florist.

WANTED—Good, single man for general greenhouse work. State references, etc. first letter. FREMONT GREENHOUSES, Fremont, Neb.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Catalogue and price list from firms dealing in florists' goods at reasonable prices only. C J. HOUCK, 105 Croton St., Cleveland Ohio.

WANTED—An experienced florist and landscape gardener. Must furnish acceptable references as to competency in growing, designing etc. Address Supt. KANSAS STATE INSANE ASYLUM, Topeka, Kas.

WANTED—Working foreman, one who thoroughly understands the growing of cut flowers and plants—particularly Am. Beauties, roses, mums, etc.—in an establishment of 65,000 square ft. of glass. Good position for competent man. Address PHLO, care American Florist.

WANTED—Good, responsible grower, for the past five years in business for himself, would like to rent established business, with privilege of buying. Prefer place doing retail business. Houses must be in good repair, located in good sized town—west preferred. Best of references. Address S M J, care American Florist.

PARTNER WANTED

With \$5000 to buy an interest and take the management of either the greenhouses or seed department of the largest seed and floral business in the South. For a bright, active man who is well up in the business this is a rare opportunity to get an interest in a well established business. Salary \$100 per month. Do not answer unless you mean business. For particulars apply to PARTNER, care American Florist, Chicago.

FOR SALE. Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 6 of carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in ch apply. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE. GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,
233 Mercer St. NEW YORK.

If you are for any reason dissatisfied with your source of Cut Flower Supplies,

Let Us Have a Chance

at your order. We can at all times do as well by you as can any other house in Chicago; perhaps we can do a little better. Let us try. Everything billed at market rates at hour of shipment. ❀ ❀ ❀

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street, CHICAGO, ILL.

Long Distance Phone 1977 Central.

PRICE LIST.

BEAUTIES

Extra long stem.....	per dozen,	\$5.00
Stems, 30 inches.....	"	4.00
" 24 ".....	"	3.50
" 20 ".....	"	2.50
" 15 ".....	"	2.00
" 12 ".....	"	1.50
Short stems.....	"	.75-1.00
Brides and Maids.....	per 100,	5.00-6.00
Meteors and Kaiserin.....	"	5.00-6.00
Perles.....	"	4.00-5.00
Roses, good seconds.....	"	3.00
Carnations, standard sorts.....	"	1.50-2.00
Fancy sorts.....	"	3.00-4.00
Callas.....	per dozen,	1.50
Romans.....	per 100,	3.00-4.00
Paper White.....	"	3.00-4.00
Valley.....	"	4.00-5.00
Violets.....	"	1.50-2.00
Mignonette.....	per doz.,	.35-.50
Asparagus.....	per string,	.50-
Galax, 1000, \$1; 10,000 for \$7.50; per 100,	"	.15
Ferns, per 1000, \$1.50.....	"	.20
Leucothoe sprays.....	"	.75
Adiantum.....	"	.75-1.00
Smilax.....	per dozen,	1.25-1.50
Wild Smilax, parlor brand.....	per case,	3.25
" " medium.....	"	4.25
" " large.....	"	6.50

J. B. DEAMUD,

51 Wabash Ave., Chicago.

WHOLESALE CUT FLOWERS.

American Beauties, long.....	Per doz.	\$4.00 to \$5.00
" " medium.....	"	2.00 to 3.00
" " short.....	"	1.00 to 1.50
Brides, Maids.....	Per 100	\$ 4.00 to \$ 6.00
Meteors, Kaiserins.....	"	4.00 to 7.00
Fancy long Kaiserins.....	"	10.00 to 12.00
Perles.....	"	3.00 to 5.00
Carnations, fancy.....	"	3.00 to 4.00
" standards.....	"	1.50 to 2.00
Violets.....	"	1.50 to 2.00
Valley.....	"	4.00 to 5.00
Galax.....	\$1.25 per 1000	.15
Fancy Ferns.....	2.00 "	.25
Adiantum.....	.75 to 1.00	

Chrysanthemums.....	Per 100	\$10.00 to \$25.00
Smilax.....	"	12.50
Callas.....	"	12.50
Nar. issus.....	3.00 to 4.00	
Roman Hyacinths.....	3.00 to 4.00	
Stevia.....	2.00	
Wild Smilax, Caldwell's.....	"	
Case No. 1, 15 lbs.....	\$2.00	
Case No. 2, 20 lbs.....	3.00	
Case No. 3, 25 lbs.....	3.50	
Case No. 4, 35 lbs.....	4.25	
Case No. 5, 40 lbs.....	5.00	
Case No. 6, 50 lbs.....	6.00	
Poinsettias.....	Per doz., \$3.00 to \$1.00	

P. and D. at cost.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquartera for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty..... WHOLESALE GROWER OF CUT FLOWERS. SEND FOR PRICE LIST.

Bentley & Co.

F. F. BENTLEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

Please mention the American Florist when writing.

A. H. POEHLMANN,

Wholesale Grower of Cut Flowers

All telegraph and telephone orders given prompt attention.

55 Wabash Avenue, CHICAGO.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

CHICAGO, Dec. 7.

Roses, Beauty, extra long stems	5.00
" " 36 inch "	4.00
" " 30 " "	3.50
" " 24 " "	3.00
" " 18 " "	2.00
" " 15 " "	1.50
" " 12 " "	1.25
" " short "	.75@1.00
" Bride, Bridesmaid.....	4.00@7.00
" Meteor.....	4.00@7.00
" Perle.....	3.00@5.00
" Golden Gate.....	5.00@8.00
" Kaiserin.....	4.00@6.00
Carnations.....	1.50
" fancy.....	2.00@3.00
Chrysanthemums.....	10.00@25.00
Violets.....	1.00@2.00
Lily of the valley.....	5.00
Adiantum.....	.75@1.00
Common ferns.....	per 1,000 1.50
Smilax.....	per dozen 1.50@2.00
Asparagus.....	per dozen 6.00@8.00

Do not hide your light under a bushel. Tell the people what you have for sale.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wabashington St., Chicago.

Write for special quotations on large orders

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

BUY BOSTON FLOWERS. THEY'RE ALL RIGHT.
 The Best Quality Cut Flowers, the Finest Christmas Holly and a Full Line of Florists' Supplies. * * * They ship well and they sell well.

SEND FOR PRICE LIST, TELEPHONE 1270 BOSTON. **GEO. A. SUTHERLAND,**
 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
WELCH BROS., PROPRIETORS. BOSTON, MASS.

Sole Agents for FREYSTEDES' Immortelle Letters and Emblems. Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES.
 Block Letters, \$2 per 100. Script Letters, \$4 per 100. Acknowledged by all florists the best in use. Special prices for doz. lots.
 THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade With Highest Grade
ROSES, GARNATIONS, CHRYSANTHEMUMS, VIOLETS and all flowers the Boston market affords.
 PRICES RIGHT AND PACKING PROPERLY DONE.
N. F. MCCARTHY & CO.,
 Tel. 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing.

Frank M. Ellis, WHOLESALE FLORIST,
 1402 Pine Street, ST. LOUIS, MO.
 CONSIGNMENTS SOLICITED.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.
 Please mention the American Florist when writing.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

The Cincinnati Cut Flower Co.,
 416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
 Consignments Solicited. Special Attention Given to Snapping Orders.

Wholesale Flower Markets

BOSTON, Dec. 5.	
Roses, Beauty, extra	25.00@50.00
" " medium	12.00@20.00
" " culls	5.00@ 8.00
" " Bride, Bridesmaid, Meteor	4.00@ 6.00
" " extra	8.00@15.00
Carnations	2.00@ 3.00
" " extra	3.00@ 4.00
Paper White narcissus, Roman	
hyacinths	2.00
Lily of the valley	2.00@ 4.00
Chrysanthemums	4.00@12.00
Violets	.75@ 1.25
Adiantum	.75@ 1.00
Smilax	8.00@12.00
Asparagus	50.00
" Sprengerii	.20@ .25 per bunch
PHILADELPHIA, Dec. 5	
Roses, Tea	2.00@ 4.00
" " extra	6.00@10.00
" " Beauty, extra	20.00@30.00
" " firsts	8.00@15.00
Carnations	1.00@ 1.50
" " fancy	2.00
Lily of the valley	3.00@ 5.00
Chrysanthemums	5.00@20.00
Violets, single	.25@ .75
" " double	.50@ 1.00
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00
BUFFALO, Dec. 6.	
Roses, Beauty	10.00@50.00
" " Bride, Bridesmaid, Meteor	3.00@ 8.00
" " Kaiserin	6.00@ 7.00
Carnations	1.00@ 2.50
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Chrysanthemums	10.00@20.00
Violets	2.00

Woodroffe & Bernheimer, Wholesale Florists
 1604 LUDLOW STREET,
 PHILADELPHIA.
 Phone 1-42-69-A.
 Consignments Solicited.
 Please mention the American Florist when writing.

LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 PHILADELPHIA, PA.
 LONG DISTANCE PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-28 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

Try the New Flower Commission House

WATERBURY & CO.,

48 W. 30th St., NEW YORK CITY.

Correspondence with Growers Solicited.

GROWERS are BEGINNING to APPRECIATE
 The advantage of a DIRECT OUTLET for their flowers in the vast residential district of Greater New York. There are over 150 flower stores in my home territory. Try us. Good returns the year round.
A. H. LANGJAHR, 19 Boerum Place, Brooklyn, N. Y.

TOP GRADE Carnations

Lily of the Valley.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.
TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

WILLIAM GHORMLEY, Wholesale Commission Florist,

Telephone 2200 Madison Square. 57 W. 28th. St., NEW YORK CITY.
...LIBERTY, BEAUTY AND OTHER CHOICE STOCK...
—BEST IN THE COUNTRY.—

JOHN YOUNG

Has the best BEAUTIES, CARNATIONS, VIOLETS AND VALLEY in New York.
TRY A SHIPMENT OR TWO. All Choice Flowers daily.
51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets and Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 551 Madison Square.

**FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.**
Cut Flower Exchange,
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....
DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.
TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.
Rose, Violet and Carnation Growers,
Consign to
M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Dec. 5.

Roses, Beauty, select.....	20.00@45.00
" " medium.....	8.00@15.00
" " culls.....	3.00@ 5.00
" Bridesmaid, Bride, Meteor 2.00@ 4.00	
" " select.....	6.00@10.00
Carnations.....	.75@ 2.00
" fancy.....	3.00@ 6.00
Lily of the valley.....	3.00@ 4.00
Cattleyas.....	40.00@50.00
Chrysanthemums.....	6.00@12.00
Smilax.....	10.00@12.00
Asparagus.....	25.00@40.00
" Sprengerii, per doz. hun. .75@1.00	
Adiantum.....	.50@ .75
Violets.....	.75@ 1.00
" special.....	1.50@ 2.00
Paper White narcissus, Roman	
hyacinths.....	2.00
Gardenias.....	10.00@12.00
Cypripediums.....	8.00@10.00
Mignonette.....	4.00@ 6.00

**Headquarters of the Hustler
CHAS. MILLANG,
WHOLESALE
Commission Florist
50 West 29th St., NEW YORK.**
Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.
GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.
ALEX. J. GUTTMAN,
Wholesale Commission Florist,
52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
... Wholesale ...
Commission Dealer In **Violets**
50 W. 29th St., NEW YORK.
Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.
... Wholesale Florists
111 West 30th Street, NEW YORK.
BIG FRAGRANT VIOLETS. Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECTH,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street, NEW YORK.
Telephone 1438 Madison Square.
Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates
M. A. HART,
44 W. 29th St., NEW YORK CITY.

You Can Make Money By Dealing With **J. K. ALLEN,** The Busiest Wholesaler in New York.
Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.
Telephone 167 Mad. Sq. 106 West 28th Street.

Season Open **EDW. C. HORAN,** Special in Roses:
47 WEST 28TH ST.,
Violets 'Mums Gardenias Tel. 421 Madison Square,NEW YORK.
CUT FLOWERS AT WHOLESALE. Liberty, Pres. Carnot, Kaiserin, Meteor, Bon Silenc.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

L. A. BUDLONG and Joe Budlong are on their annual duck hunting trip in Texas.

WORCESTER, MASS.—Increasing business has caused the removal of Ross Bros. to better and more commodious quarters at 90-92 Front street.

W. H. METSON, the California seed grower, passed through Chicago December 1, on a flying trip to Washington, Philadelphia and New York. Mrs. Metson accompanied him.

THE nasturtium seed crop in Germany has turned out very badly. With less than half a crop in California and a very poor one in France we can look for much higher prices than ruled the last two or three years.

SEDALIA, Mo.—L. H. Archias, of Archias Seed Store, is adding 200 new seed drawers, also more shelving and counters and is preparing for a large spring trade. T. S. McNaull, representing Rush Park Seed Co., of Independence, Ia., was in the city last week.

PARIS, November 7.—We are just now favored with perfect weather. The question is often asked how the biennials for seed purposes bear themselves at the present date and what are the prospects for next season. It is of course too early to give any points to the seedsmen in that regard. The drought which we experienced last summer prevented most of the growers from sowing their seeds at the right time. They had to await some rain, which came very late, before they could entrust the seeds to the soil. The plants are consequently weak and require four or five weeks more of the present weather to pass the winter well. But the astronomers threaten us with colder weather and should some hard frosts set in soon, the prospects for next season would not be brilliant. The stocks of most articles will have run out before the end of the present season and another general short crop will bring up the prices to a level which has been unknown for many years. PARISIAN.

California Notes.

I have recently learned that in making shipments to eastern dealers, Fred. Rafferty, of Santa Ana, lost a large consignment of calla bulbs in a railroad wreck, and C. A. Braze & Co., of Wilmington, had at about the same time a quantity of freesia bulbs burned in a wreck. Both firms had to hustle to refill their orders as the demand for these bulbs consumed the entire crop in this vicinity.

Usually several hundred pounds of Grevillea robusta seed is gathered each season in Southern California and sold to eastern dealers. This year the crop is an entire failure and all orders for same had to be refused.

Charles A. Braze, of Wilmington, the well-known bulb grower, was married recently. D. R. W.

Omaha.

BUSINESS AFFORDS FLORISTS A CAUSE FOR THANKSGIVING.—BEST TRADE IN YEARS.—VARIOUS JOTTINGS OF THE PERIOD.

The Thanksgiving trade exceeded that of any previous year and all the florists of Omaha were duly thankful. Chrysan-

themums retailed at \$6 a dozen for the best and American Beauties commanded the same price. Good roses brought \$1.50 and carnations 75 cents to \$1. Hyacinths sold for 60 cents and narcissi and lily of the valley \$1.

Hess & Swoboda had a wedding decoration Thanksgiving eve which was one of the finest ever put up here. American Beauties and white chrysanthemums were used, together with 200 strings of smilax and a great deal of asparagus.

Louis Henderson had a fine crop of roses on for Thanksgiving and S. R.

Faulkner had a good supply, particularly of La France, which he grows to perfection.

A. Donaghue and S. B. Stewart have been making handsome window showings, the former with decorative plants and bulbous stock and the latter with Beauties.

Paul Floth reports that he sold out his chrysanthemum crop at Thanksgiving at satisfactory prices.

Peterson has had the best pot grown chrysanthemums shown here this season. GRIPPE.

Bulb Prices

that will interest you.

Lilium Auratum, 7 to 9, at \$4.00 per 100. Lilium Rubrum, 7 to 9, at 4.00 per 100. Lilium Album, 7 to 9, at 5.00 per 100.

Superfine Single Mixed TULIPS, per 100, 75c; per 1000, \$6.50. Freesia Refracta Alba, 40c per 100, \$3.00 per 1000. Chinese Sacred Lilies, per basket (30 bulbs), \$1.25; per mat (120 bulbs), \$1.75. Ixias, mixed, 10c per dozen; 40c per 100; \$3 per 1000. Narcissus Double Von Sion (double nosed bulbs), extra, \$1.60 per 100; \$15.50 per 1000. Write for Prices on SWEET PEAS for forcing.

JOHNSON & STOKES, Seedsmen. - - 217-219 Market Street, PHILADELPHIA, PA.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for \$1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

NOW READY

Lily of the Valley "London Market" Brand.

The finest strain of Valley Pips in existence. Forces for Christmas with good foliage.

Per 100.....\$1.75 Per 1000.....\$14.50

Write for prices on larger quantities.

"PREMIUM" BRAND.

A High Grade Pip

Equal to "London Market" brand for late forcing.

Per 100.....\$ 1.50 Per 1000..... 12.50 Per 2000..... 24.50 Per 5000..... 60.00

"INTERNATIONAL" BRAND

This is a selected grade of "Berlin" or sand pips, and will give excellent satisfaction. Not to be compared with "Hamburg" grown "second-class" stock offered at low prices.

Per 100.....\$ 1.25 Per 1000..... 10.25 Per 2000..... 20.00 Per 5000..... 47.50

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

1901 Specialties...

Asters Daybreak, Purity and Branching Comet...

Cabbage Novelty..

20th Century Earlier than the Wakefield, as solid as Danish Ballhead.

Write for prices and description. Half-tone cuts for catalogue purposes.

JAMES VICKS' SONS, ROCHESTER, N. Y.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Saling, Alfalfa, Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

ESTABLISHED 1802 THORBURN'S SEEDS SURPLUS AT REDUCED PRICES: LILIUM LONGIFLORUM, JAPAN. 1000 6 to 8-inches.....\$24.00 7 to 9 " "..... 34.00 White Italian Hyacinths, largest size..... 8.00 Spiraea Japonica clumps..... 28.00 " " compacta multiflora. . 40.00 J.M. THORBURN & CO. (Late of 15 John Street) 36 CORTLANDT STREET, NEW YORK

August Rölker & Sons Asparagus Sprengerii (fresh seed), 1000 seeds for \$4. Cyclamen English Giants, 7 distinct named sorts. 100 seeds \$1; the collection for \$3 50. Raffia, 100 lbs. at 12 1/2c.; 50 lbs. at 13 1/2c.; 10 lbs. at 15c. net. Larger quantities on application. Lily of the Valley, forcing pips, select Hamburg, \$10 a 1000; high-class, \$12 a 1000. cash disc. 5 p. c. 52 Day St., New York.

LILY OF THE VALLEY. Just arrived. From Best European Grower. BERLIN CROWNS, extra selected quality, \$10 per 1000; case of 2000, \$19. HAMBURG CROWNS, first selected quality, \$9 per 1000; case of 2500, \$21. JACKSON & PERKINS CO., Newark, New York.

LILIUM AURATUM. Sizes 8-9 and 9-11 on hand. Prices on application..... SUZUKI & IIDA, 11 Barclay St., New York.

American Florist Advts. Reach all the Trade.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

CANADA'S open door to nursery stock from the United States will close next Saturday, to remain securely locked until spring.

AMERICAN fruit has risen greatly in favor in European markets by reason of the excellence of the showing made at the Paris Exposition.

An important feature of the forthcoming report of Prof. F. A. Waugh, horticulturist at the Vermont Experiment Station, is a detailed statement of the author's experiments in the propagation of plums.

BARABOO, WIS.—In the trial of the recent case of J. G. Stein against Charles Hirschinger, the jury returned a verdict in favor of the latter. Some years ago Stein purchased 500 apple trees supposed to be Duchess of Oldenburg and claimed that all but 100 proved to be inferior kinds. Expert witnesses testified that the trees said to be inferior were the Milwaukee, a better variety than the Duchess in this section. Stein sued for \$1,000 damages.

Nursery Irrigation in California.

The Chase Nursery Company has a tract of 1500 acres at Ethanac, Cal., almost all of which is under cultivation at the present time. Alfalfa is grown extensively, and the green fields stretch away in the distance in beautiful contrast to the dry country around. Five wells furnish the tract with water and another one is being dug to still further increase the bountiful supply. The two largest wells are located near the Santa Fe tracks and it is exceedingly refreshing after a ride over the hot, dusty plains of the Perris valley, to see 250 inches of clear, cold water running over the casing and into the ditches which lead to the surrounding fields. These two wells are 130 and 200 feet deep, respectively, and from the largest of them there is a flow of 170 inches of water. The five wells have a capacity of about 600 inches of water. The water rises to within forty-five feet of the top, from which point it is pumped by a 350-horse-power Hamilton-Corliss engine. The electrical machinery and boilers which form the pumping plant are very elaborate. They were installed by Moore & Co., of San Francisco. For fuel, oil is used, a tank having a capacity of 50,000 gallons being in close proximity to the engine-house. The Chase Nursery Company owns its own oil well in Los Angeles, from which all of its fuel comes. It is estimated that the engine consumes a quart of oil every forty seconds.

Saginaw, Mich.

BUSINESS GOOD WITH ALL THE GROWERS AND STOREKEEPERS.—VISITS TO A NUMBER OF PROSPEROUS ESTABLISHMENTS.—MANY THINGS OF INTEREST.—JOTTINGS OF SPORTSMEN.

Notwithstanding unfavorable weather, business continues good all along the line, there being a brisk demand for cut flowers, single-stemmed chrysanthemums selling readily at \$2.50 and \$3 per dozen, while funeral work and decorations of one sort or another have kept the florists quite busy of late.

At the William Roethke establishment things are in "apple pie" order. Their chrysanthemums presented a sight worth seeing, both quality and quantity surpassing their own expectations. It was likewise interesting to go through their rose and carnation houses, both showing up finely and promising large yields for the period just before Christmas. I regret having missed Chas. Roethke. The genial Charlie is one of those young men who combine the good qualities of grower and sportsmen. Having put things in the best of condition, leaving the place in charge of Otto, his younger brother, himself a young man of sterling qualities, Charlie, accompanied by Joseph M. Fordney, congressman of this district, is now sojourning somewhere in the woods in the northern part of Michigan, enjoying the good shooting.

J. B. Goetz is never satisfied unless things about his establishment are in the best possible order. "Let well enough alone" does not hold good with him. His place underwent considerable overhauling during the past summer, the result being a model establishment throughout. Mr. Goetz, among other things done well on his place, grows fine American Beauties. This rose is becoming more and more popular with his trade and since his customers are willing to "foot the bills" Mr. Goetz is equally willing to grow and supply the Beauties. His third year scarlet seedling carnation, mention of which has already been made in these columns, is showing up well. Mr. Goetz, however, is not quite ready to put it on the market. It will be shown at Baltimore in February.

Chas. Frueh & Son have a house of poinsettias, about 3,000 in number, which it would be difficult to duplicate. They are just beginning to color up and by the time they are shipped to Chicago, for they have sold the entire crop to a Chicago wholesaler, they will certainly present a "study in red." Chrysanthemums, roses and carnations have never looked finer, which is saying considerable, considering the fact that the Fruehs invariably "do them up to a turn." What attracts especial attention among the carnations are two seedlings, a bright scarlet and a beautiful delicate pink. After a couple of years more trial they may be heard from.

Charles Frueh, Sr., has recently returned from a week's hunting trip, two immense bucks accompanying the nimrod. There is plenty of venison now to go the rounds in the neighborhood of Hoyt street. Like a true sportsman, Mr. Frueh delights in sharing the spoils of his gun with his neighbors.

Henry Goetz is now with Bassett & Washburn, Chicago, and is well pleased with his new surroundings. NOMIS.

WELLINGTON, O.—T. G. Yale enlarged his place considerably last summer and now grows everything from lettuce to chrysanthemums, finding a good sale for each item.

ATLANTA, GA.—The Nunnally Company, 34 Whitehall street, has deepened its candy and soda water store, adding a conservatory in the rear, which is well stocked with plants.

JNO. H. DUNLOP, CHOICE CUT FLOWERS

All orders receive most careful attention.
TORONTO, ONT., CANADA.
Six pr 208 American Rose Society, New York City.



CLEMATIS Large-flowering, in twelve (12) distinct kinds; potted now and put in cold house will make flowering plants for spring sales—INDISPENSABLE FOR FLORISTS.

Jackmanni, purple; Belle of Woking, double blush; Duchess of Edinburgh, double white; Marvel, snow white; Henryii, white; Superba, mauve purple; Gen. Grant, crimson; Princess, blue and white; Ramona, lavender; Duke of Norfolk, blue; Mad. Ed. Andre, red; Countess of Lovatce, double lavender.

Strong, one year, grown in 4-inch pots, \$1.25 per dozen; \$10.00 per 100.

Fine, two year plants, plenty of fibrous roots, \$2.00 per dozen; \$16.00 per 100. 25 at 100 rates.

F. A. BALLER, Bloomington, Ill.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches;

OTAKSA,

PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

FOR SALE, 20,000 two and three year old APPLE TREES, fine stock, \$50 per 1000. List vars. on application.

Adiantum Pubescens, 4-inch pot, \$5.00 per 100.
Asparagus Sprengeri, 2 1/2-inch pot, \$4.00 per 100.
Fine plants, ready to ship.

Otto Schwill & Co., proprietors of Idelwild Greenhouse and Memphis Nursery, 304 Front St. MEMPHIS, TENN.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA

Grape Vines

Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.

American Florist Advertisements
Work Every Day.

W. ENNIGOTT BROS. Co.

42=44 E. Randolph St., CHICAGO, ILL.

Whatever you need in the cut flower line will be found here, if it is to be had anywhere, and billed to you at market rates, the following quotations being subject to change without notice:

PRICE LIST. Per 100.

Beauties, long.....	\$30.00 to \$40.00
" medium.....	18.00 to 25.00
" short.....	8.00 to 12.50
Brides, Maids.....	4.00 to 6.00
Meteors.....	4.00 to 6.00
Perles.....	3.00 to 4.00
Roses, our selection.....	3.00
Violets.....	1.25 to 1.75

PRICE LIST. Per 100.

Carnations.....	\$1.25 to \$1.50
" named vars.....	2.50 to 4.00
Chrysanthemums.....	
Fancy, per doz.....	2.00 to 3.00
Medium, ".....	1.25 to 1.75
Valley.....	4.00 to 5.00
Narcissus and Romans..	3.00 to 4.00
Stevia.....	1.00

PRICE LIST. Per 100.

Yellow Daisy.....	\$.60 to \$.75
Adiantum.....	.75 to 1.00
Common Ferns, selected, per 1000.	2.00
Smilax.....per doz.,	\$1.25 to 1.50
Asparagus.....	6.00
Leucothoe Sprays, per 100, 75c to	1.00
Galax.....per 1000,	1.50
Mahonia Leaves.....per 100,	1.00

A WORD TO THE GROWERS OF CARNATIONS.—We have sold the cut of IRENE, a pink carnation, and consider it one of the best commercial sorts we have ever handled. WE ARE NOW BOOKING ORDERS FOR CUTTINGS. Place your orders NOW. \$1.50 per dozen, \$10.00 per 100, \$75.00 per 1000.

GRAND OFFER, FINE PLANTS, NONE BETTER.

ARECA LUTESCENS.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch.....	3 to 4	12 inch	.20	\$2.00
4-inch.....	5 to 6	18 3 in pot.	.30	3.50
5-inch.....	6 to 7	20 to 24	.60	
6-inch.....	7 to 8	24 to 30	1.00	
8-inch.....	8 to 10	36	2.50 to 3.00	

LATANIA BORBONICA.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch.....	5 to 6	12 inch	.25	\$1.50
4-inch.....	6 to 7	15 to 18	.25	3.00
6-inch.....	6 to 8	24 to 30	1.00	12.00
6-inch.....	6 to 8	30	1.50	18.00
6-inch.....	7 to 8	30	2.00 bushy	

FICUS ELASTICA.

Size pot.	Leaves.	Height.	Each.	Doz.
6-inch.....	24 to 30		.50	\$6.00
6-inch.....	24 to 30		.75	9.00
8-inch.....	48		1.50 to 2.00	

KENTIA BELMOREANA.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch.....	3 to 4	12 inch	.20	\$2.00
4-inch.....	5 to 6	15	.50	5.50
5-inch.....	6 to 7	18	.75	8.50
6-inch.....	8 to 9	20	1.00	12.00
6-inch.....	8 to 10	24	2.00 ea.	
6-inch.....	7 to 8	30	2.50 ea.	
6-inch.....	7 to 8	36 to 40	3.00 ea.	
7-inch.....	7 to 8	44 to 48	4.50 ea.	

COCOS WEDDELIANA.

Size pot.	Leaves.	Height.	Each.	Doz.
4-inch.....	12 to 14		.25	\$2.50

REX BEGONIAS.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch.....	24 to 30		.10	\$1.20
4-inch.....	24 to 30		.15	1.75
6-inch.....	48		1.50 to 2.00	

KENTIA FORSTERIANA.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch.....	3 to 4	9 to 10	.30	\$3.00
4-inch.....	4	15 to 18	.40	4.00
6-inch.....	5	24	1.00	10.50
6-inch.....	5	36	1.50	18.00
6-inch.....	5 to 6	40	2.75	30.00

PANDANUS VEITCHII.

Size pot.	Leaves.	Height.	Each.	Doz.
5-inch.....			.75	\$9.00
6-inch.....			1.00	12.00

ASPARACUS SPRENCERII.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch.....			.60	\$5.00
6-inch.....			.35	4.00

DRACÆNA INDIVISA.

5-inch.....	.35	\$4.00	\$25.00
Dracæna Bruantii.....	1.50	18.00	
Dracæna Massangeana.....	2.00	24.00	
Dracæna Lindenii.....	1.50	18.00	
Dracæna Terminalis.....	.50	6.00	
Small Ferns, Adiantum Cuneatum, 3-in. pot	\$6.00		
Mixed Ferns, 3-in. pots, \$6.00 per hundred.			
Cyprus Alternifolius, 3 in. pots, \$3.00 per hundred.			
Hydrangea Otaksa, 6-in. pots, \$10.00 per hundred.			
Extra fine, for Easter forcing.			
Jerusalem Cherry, nicely berried, 6-in. pots, bushy, 35c each.			

BOSTON FERNS.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch.....			.20	\$2.00
4-inch.....			.35	4.00
5-inch.....			.40	4.50
6-inch.....			.75	9.00
7-inch.....			1.00	12.00
8-inch.....			1.50	18.00
9-inch.....			2.00	24.00

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

FOR CHRISTMAS AND NEW YEAR.

FLOWERING PLANTS.

Azaleas, from 50c, 75c, \$1, \$1.25, \$1.50, \$2 each up to \$5. On hand in 3 colors.
Erica Fragrans, 50c, 75c, \$1 each, up to \$5 each, white.
Epacris, \$1 each, pink.
Erica Wilmoreana, pink, 50c and 75c each.
Cyclamen, 35c and 50c each.
Daisies, very large, \$2 each.
Primulas, \$3 and \$4 per doz.

BOXWOOD, large stock, 60c, 75, \$1, \$1.50, \$2, \$2.50 and \$3 each, Pyramids and crowns. Up to \$25 add \$1 for packing; above, \$2.

FRUITED PLANTS.

Oranges, 75c, \$1, \$1.25, \$1.50, and \$2 each.
Peppers, 25c, 35c and 50c each.
Ardisia crenulata, 50c, 75c and \$1 each.
Jerusalem Cherries 35c to \$1 each.
Boston Ferns, 50c, 75c, \$1, \$1.50 and \$2 each per pot or pan.
Araucaria excelsa, \$1, \$1.25, \$1.50 and \$2 each.
Araucaria glauca, \$2 and \$3 each.
Araucaria robusta compacta, \$3 each.

FOLIAGE PLANTS.

Rubbers, about 2 feet high, very fine, \$4, \$5 and \$6 per doz.; \$40 per 100.
Lalanias, three in a pot, \$1.50 each; single, 50c to \$1 and \$1.50 each.
Kentias, for centers, \$1.50-\$2 per doz. Larger plants up to 25c each.
Aspidistra, green and variegated, extra fine, \$2 and \$2.50 per pot.
Small Dracænas, 3 in a pot or 1 in a pot, per doz. plants, \$3 and \$4.
Asparagus Sprengerii, 50c and 75c per pot.

CASH WITH ORDER PLEASE. When ordering say how to ship, by express or last freight.

A. SCHULTHEIS, P. O. BOX 78, College Point, Queensborough, N. Y.

THE Regan Printing House
NURSERY SEED FLORISTS
CATALOGUES
87-91 Plymouth Place,
CHICAGO

CHRISTMAS PLANTS.
500 Dwarf Solanum, extra well berried, 4-inch pots, \$15 per 100 or \$2 per dozen.
Stock Plants of Mums, out of bench, at \$5 per 100.
White: Ivory, Queen, J. Jones, Robinson, Merry Xmas, Niveus, Yellow: Mrs. Buettner, Bonaffon, Admiral Dewey, Negoya, Mrs. Bear, Dailledouze, October Sunshine, Pink: Ivory, Glory of Pacific, Lady Playfair. Cssh with order.
H. TICE, 390 George St., New Brunswick, N. J.

Field-Grown VINGA VAR. VINES
Per 100
First size, from 4 to 6 long vines to plant, \$4.00
Large size, " 7 to 10 " " 6.00
TERMS CASH OR O. O. D.
WM. A. CLARK & SON,
No. 59 State St., WATERTOWN, N. Y.
Please mention the American Florist when writing

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Utica.

The following is the record made on the alleys December 3:

Player	1st	2d	3d	4th	Av
Wilcox	182	167	172	147	167
Sumers	110	119	159	187	144
Rowlands	148	120	133	139	135
Hildebrand	117	126	142	134	129
Spencer	124	101	145	100	118
Cramer	76	95	95	102	92

QUIS.

At West Hoboken.

The North Hudson Florists' Club bowled on the evening of November 28 and John Birnie captured the Thanksgiving turkey offered for highest score. Following are the figures:

Players	1st	2d	3d	Av
J. Birnie	102	195	198	165
M. Hausen	159	187	145	163
L. Hansen	135	157	178	157
G. Kogge	133	151	162	149
H. Baumann	130	113	190	144
W. Hillbrecht	107	111	198	139
C. M. nne	129	123	152	135
O. Gruddmann	108	182	103	131
A. Tschupp	107	102	102	104

At New York.

Monday night, December 3, at the alleys on Eighth street, saw the largest crowd of the season in attendance. There were bald heads in abundance and conditions favored a rollicking good time in every way. The customary noise was not lacking and there were many little episodes full of humor that will doubtless bring frequent reminiscent chuckles to the participants as they attend to the more serious business of life in succeeding days. The Flatbush team came over to try conclusions with the New Yorkers and went back well thrashed in three successive games, but with a determination to turn the tables on their opponents when the latter visit the Flatbush alleys in return, as is planned for Thursday of next week. Following are the scores:

NEW YORK.

Player	1st	2d	3d	T'l
T. Lang	206	229	175	610
Roehrs	139	151	135	425
O. Mara	133	173	135	441
Siebrecht	114	113	125	352
Haffner	176	165	166	447
Burns	114	170	126	410
Total	882	941	862	2685

FLATBUSH.

Player	1st	2d	3d	T'l
A. Zeller	171	169	156	496
H. Dailedouze	102	136	102	340
Schmutz	133	133	155	421
Wocker	119	104	105	333
E. Dailedouze	120	143	149	412
Riley	138	156	181	475
Total	783	846	848	2477

While the above contest was going on, the spare alley was in use as follows:

Player	1st	2d	Player	1st	2d
Donaldson	138	151	Lentz	201	151
Loerscher	222	211	Vau Hoegen	163	168
Taylor	89	112	Merritt	96	79
J. Lang	73	Donlan	128	107	
Elliott	130	146	Traendly	158	
Thielmann	138	162	Stewart	117	

At Flatbush.

"What has bowling to do with horticulture?" This question, sometimes asked by well-meaning but illiberal critics, is answered at Flatbush every

Thursday evening in a manner pleasantly convincing to any but a man of unreasonably contracted sentiments. The daily life of a florist is one of drudgery and worry that only his innate love for his profession makes tolerable; holidays and Sundays, as such are understood by the majority of his fellowmen, are not for him. Doubly welcome, then, is he to the recreation of an occasional evening at the bowling alley, and it is to his credit that he prefers to share these hours of relaxation with his fellow florists rather than with promiscuous associates. Meeting thus, friendships are made where otherwise jealousies would prevail, and the bowling alley often serves as a medium for interchange of views and valuable experiences which could never be brought out in the formality and reserve of the lecture hall or club room. Many of our brightest and most successful floriculturists find interest and pleasure in the innocent frolics of the bowling alley, and so long as that remains true we shall continue to devote a little space to the record of their sports.

Thanksgiving evening is always a great event with the Flatbush fraternity. It is essentially a members' night, too, it being an inconvenient time for visitors to come. Instead of the customary "pot" of dimes, turkeys are provided as premiums for the successful bowlers. On this occasion there were four of these birds, three being contributed by the club and one presented by J. P. Cleary. The latter, won by D. Y. Mellis, was a twenty-pounder. The other three were captured by A. Zeller, P. Riley and John I. Raynor. The figures for the evening as recorded in the scorer's book were as follows:

Player	1st	2d	3d
Wocker	98	128	110
E. Dailedouze	158	146	119
Raynor	131	151	150
Mellis	160	116	167
H. Dailedouze	153	103	145
Schmutz	159	141	149
Riley	130	137	155
A. Zeller	160	129	153
P. Dailedouze	155	116	99
C. Zeller	82	68	119
Baylis	112	95	151

Washington.

TRADE WAS BRISK FOR THANKSGIVING.—SOCIAL FUNCTIONS NOW IN ORDER.—VARIOUS NOTES.

The Thanksgiving retail trade was exceedingly good this year, everybody having plenty to do. The supply was plentiful and stock was in good condition, although a few of the growers cut their roses very close. Violets are fine and in fair demand, bringing \$1.50 to \$2 per hundred. Chrysanthemums are holding up very well. Carnations were not over plentiful but were in fair demand. With the convening of Congress and some teas and receptions trade has boomed up and everybody is busy.

J. H. Small & Sons furnished the bulk of the flowers for the Carlisle reception, which was a grand affair.

Minder Bros. are still cutting a number of very fine chrysanthemums and violets.

A. Gude & Bro. are cutting a quantity of fine roses, especially American Beauty and La France.

Litzinger & Wade dispose of quite a number of Begonia Gloire de Lorraine and small ericas. P. G.

PONTIAC, ILL.—W. J. Miller has gone to Louisiana, Mo., for a visit with relatives.

Choice Delaware Holly! \$3.50, \$3.50, \$3.50 PER CASE.

Special prices in large quantities. MISTLETOE, well berried, cheap.

WRITE OR TELEGRAPH.....

THE VAIL SEED CO., Indianapolis, Ind.

Rattan Rings.

12-INCH, WITH PATENT FASTENER.

Ready to wind Holly and Green on; makes work easier and improves looks of wreathes.

\$1.25 per 100. \$11.50 per 1000.

SAMPLE FREE.

W. W. BARNARD & CO.,

161 E. KINZIE ST., CHICAGO.

Baby Christmas Trees

NURSERY GROWN. WELL FURNISHED.

NORWAY SPRUCE...

3 to 4 feet.....\$25.00 per 100

4 to 5 feet..... 35.00 per 100

5 to 5½ feet..... 40.00 per 100

Baled f. o. b. in lots of 50 or 100.

THE WM. H. MOON CO.,

Glenwood Nurseries. MORRISVILLE, PA.

Florists all over the country are quickly discerning the

Commercial Value of The Lawson Carnation.

The demand will be heavy this season. My stock is in excellent condition, clean and healthy. Rooted cuttings ready now, or for later delivery.

PRICE, Per 100\$7.00
Per 1000.....\$60.00

TERMS STRICTLY CASH from unknown parties. Send ALL ORDERS DIRECT TO

PETER FISHER,

No Agents. Ellis, Mass.

ELECTROS... 

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.



NEPHROLEPIS WITTBOLDII.

Strong Plants, ready for 3-inch and 4-inch pots, \$1.00 each; \$10.00 a dozen; \$75.00 per 100.

To Reach You In Time For Christmas Trade

YOU HAD BETTER ORDER YOUR DECORATIVE PLANTS AT ONCE.

Our stock is cool grown and the plants are low, compact and rich in color. It is all such stock as we can send to the most particular trade. We have done a very large business this season but as yet we are able to supply all sizes. Let us have your order today.

Kentias==Latantias

Varieties	Size Pot	Height Inches	No. Leaves Each	Per Doz.	Per 100	Per 1000
Kentia Belmoreana	2 1/4	8 to 9	3 to 4	\$ 1.50	\$12.00	\$100.00
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15.00	150.00
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	30.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00	90.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	125.00
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00
Kentia Forsteriana	2 1/4	8 to 9	3 to 4	1.50	12.00	100.00
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15.00	150.00
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	60.00
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00	90.00
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	125.00
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00
Latania Borbonica	2 1/4	8 to 9	3	.60	5.00	40.00
Latania Borbonica	3	12 to 14	5 to 6	1.00	8.00	75.00
Latania Borbonica	3 1/2	12 to 15	5 to 6	.15	1.50	12.00
Latania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00
Latania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00
Latania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00
Latania Borbonica	6	extra strong	6	.75	9.00	75.00
Areca Lutescens	2 1/4	5 to 6	3 plants in pot	1.00	8.00	
Areca Lutescens	3 1/4	12 to 14	3	2.00	15.00	
Areca Lutescens	4	15 to 18	3	.25	3.00	25.00

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Serrulata	2-inch	5.00	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtomium Falcatum	2-inch	.50	4.00
Cyrtomium Falcatum	3-inch	1.00	8.00
Cyrtomium Falcatum	4-inch	1.50	10.00
Cyrtomium Falcatum	5-inch	2.00	15.00
Nephrolepis Exaltata	5-inch	2.00	15.00
Nephrolepis Bostoniensis	5-inch	.50	4.00
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Bostoniensis	5-inch	6.00	
Nephrolepis Bostoniensis	6-inch	9.00	
Nephrolepis Cordata Compacta	5-inch	2.00	15.00
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

NEPHROLEPIS WITTBOLDII, strong plants, ready for 3 and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

The Geo. Wittbold Co., PALMS AND FERNS,

1657 Buckingham Place, CHICAGO, ILL.

..Asparagus..

Varieties	Size Pot	Doz.	Per 100
Asparagus Plumosus Nanus	4-inch	\$ 1.50	\$12.00
Asparagus Sprengerii	2-inch	.50	4.00
Asparagus Sprengerii	4-inch	1.50	12.00

Miscellaneous.

Varieties	Size Pot	Leaves	Each	Doz.	Per 100
Araucaria Excelsa, 4-inch, nice plants				\$ 7.20	\$60.00
Araucaria Excelsa, 4 1/2-inch, nice plants				1.00	
Araucaria Excelsa, 5-inch, nice plants				1.00	
Ficus Elastica	6	22 to 23	12 to 14	\$.75	\$ 7.20
Ficus Elastica	7	24 to 28	14 to 16		10.00
Pandanus Utilis	2 1/2	6 to 8	10 to 12		1.00
Pandanus Utilis	3	8 to 10	12 to 15		2.00
Pandanus Veitchii	6	strong		1.50	18.00
Pandanus Veitchii	7	strong		2.25	27.00
Pandanus Veitchii	8	strong		3.00	36.00
Dracena Terminalis	3 1/2				2.00
Dracena Terminalis	4				4.00
Dracena Terminalis	5				6.00
Cocos Weddeliana	3			.25	2.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50	
Phoenix Reclinata	3		4 to 6		1.50
Phoenix Canariensis	3		4 to 6		1.50
Aspidistra Lurida	4				3.00
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00
Corypha Gebanga	3		5 to 6		3.00
Sansevieria Javatica Variegata, 2-inch, strong plants	dozen				.60
Sansevieria Javatica Variegata, 3-inch, strong plants	dozen				1.25
Sansevieria Javatica Variegata, 4-inch, strong plants	dozen				2.00
Sansevieria Javatica Variegata, 5-inch, strong plants	dozen				3.00
Peperomia Argyrea (Saundersii)	dozen				2.00
Peperomia Alata	dozen				2.00
Maranta Kerchoviana, 3 1/2-inch	dozen				2.00
Zingiber Officinale, Ginger Plant, 4-inch	dozen				2.00
Zingiber Officinale, 5-inch	dozen				3.00
Curculigo Reconvata, 4-inch	dozen				2.00
Curculigo Reconvata, 5-inch	dozen				4.00
Cyperus Alternifolius, 5-inch	dozen				1.50

STUDENTS RETURNING HOME
 for holiday vacations can, upon presentation of proper credentials, obtain tickets via Nickel Plate Road, to all points in Central Passenger Association territory, at a fare and a third for the round trip. Tickets will be sold on day of closing school and on day immediately preceding closing date; good returning until date school reconvenes, but not later than January 8, 1901. For information as to train service to Ft. Wayne, Cleveland, Fostoria, Erie and other points, call on or address, John Y. Calahan, General Agent, 111 Adams St., Chicago. Passenger Station, Van Buren St. and Pacific Ave., on the Elevated Loop. 43

CRYPTOMERIA JAPONICA (JAPAN CEDAR)
 Takes the place of Araucaria Excelsa; set s everywhere and everybody pleased with it; it is a money maker. Strong at ck. from 2-in pots, \$5.00 per 100; or send \$1.00 for a sample of 20, and you will soon want more.
 E. I. RAWLINGS, Quakertown, Pa.

Asparagus Sprengerii, 2 1/2-inch	\$2.50	per 100
" " 3	4.00	per 100
Asparagus Plumosus, 2 1/2-inch	5.00	per 100
" " 3	6.00	per 100
Small Ferns for dishes, 4 vars, 2 1/2-in.	3.00	per 100
Carex Variegata, 2 1/2-inch	4.00	per 100
Boston Ferns, 8-inch pans	\$15 and \$18	per doz.
" " 2 1/2-inch	5.00	per 100
" " 3-inch	8.00	per 100
Nephrolepis Cordata Compacta, 6-inch	25.00	per 100
Geraniums—S. A. Nutt, Heteranthe, La P lot, rooted cuttings, \$18.00 per 1000.	CASH, PLEASE.	

CARL HAGENBERGER, West Mentor, O. Please mention the American Florist when writing.

PANSIES WORTH RAISING
 Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$4.00 per 1000 f. o. b. express here.
CASH WITH ORDER.....
CHRISTIAN SOLTAU,
 199 Grant Avenue, JERSEY CITY, N. J.
 Please mention the American Florist when writing.

500,000 VERBENAS.

60 finest named varieties, including our NEW MAMMOTH WHITE, "MRS. MCKINLEY." The finest white verbenas grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; \$5.00 per 1000. Plants, \$2.50 per 100; \$20 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

Beautiful Ferns

DAVALLIOIDES FURCANS, BOSTONIENSIS and WASHINGTONIENSIS, from 8-in. pots, with two to four feet long fronds, at \$1.00 each; \$10 per dozen. For other choice and rare plants, see my adv., page 508 of this paper, or write for a copy.

N. STUDER, ANAGOSTIA, D. G.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

Sharon, Pa.

JOTTINGS OF THE DOINGS OF THE GROWERS.—MURCHIE IS WELL AGAIN.—MANY IMPROVEMENTS NOTED—GOOD SEEDLINGS IN EVIDENCE.

John Murchie, who was taken seriously ill on September 19, is out and about, once again in his native element, that is, among his carnations. The stock never looked better, the general complaint about Mrs. Bradt having short or weak stems having no foundation as one sees it here. The Marquis, Ethel Crocker and Genevieve Lord are coming on in fine shape, promising good crops for Christmas trade. Mr. Murchie has three white seedlings in their second year, two of which may well rank with the best. It is his intention to send one or both to Baltimore in February. Since my last visit Mr. Murchie has added a propagating house to his range.

M. I. O'Brien has built an additional house during the past summer, 20x110. He has also replaced his old boiler with one of a better grade and greater capacity and gave his entire place a thorough overhauling, which likely accounts for those exceptionally fine roses and carnations grown on his place this season. Mr. O'Brien is well satisfied with both his wholesale and retail business.

E. McConnell & Son have not only overhauled their entire place, but have added a carnation house 35x100. All the sorts of recent introduction, such as Lawson, Marquis, Ethel Crocker, Genevieve Lord, Mrs. Bertram Lippincott and others, are grown successfully here, while a few seedlings of their own look equally fine and meritorious. Among these is one which is especially fine, a blush white unlike anything grown at present. It certainly has a field all to itself and, having grown it for the past three years successfully, it is Mr. McConnell's intention to put it on the market this season. NOMIS.

NEWPORT, R. I.—The Newport Horticultural Society elected officers as follows November 28: President, Richard Gardiner; first vice-president, C. D. Stark; second vice-president, Louis Ziegler; recording secretary, Thomas Fieldhouse; financial secretary, A. S. Meikle; treasurer, A. K. McMahon; executive committee, Robert Laurie, Arthur Griffin, Bruce Butterton, James Boyd, B. F. Tanner, C. D. Stark.

2000 STRONG

Chrysanthemum Stock Plants

- MRS. ROBINSON, VIVIAND-MOREL, BONNAFFON, PHILADELPHIA, GLORY OF THE PACIFIC, OCTOBER SUNSHINE, MME. BERGMANN, GEO. W. CHILDS,

60 cts. per dozen; \$4.00 per 100.

JOS. LABO, JOLIET, ILL.

Please mention the American Florist when writing

LAUREL WREATHING For Christmas decorating, in quantity, from first hands, well made, fresh picked, satisfaction guaranteed; 25 yds. in a bundle, \$3.00 per 100 yds. Send in your orders early as they will receive prompt and careful attention. Also Natural Laurel by the 100 lbs., at lowest market price. Cash or certified check must accompany all orders unless parties ordering are known to us. MRS. L. POPE & SON, Florists. Barnesboro, Glo. Co., N. J.

HAVING SECURED

A Large Block of the Stock of the Sensational New Chrysanthemum

TIMOTHY EATON

We are now ready to book orders for it for Spring delivery. There is sure to be a big demand for it.

Everyone Will Want it. in order to insure earliest deliveries, ORDER AT ONCE.

Orders filled strictly in rotation as received, beginning April 1st., 1901.

50c each, \$5.00 per Dozen, \$30.00 per 100.

Last season we sent out

Col. D. Appleton,

WHICH HAS PROVED TO BE THE FINEST YELLOW CHRYSANTHEMUM EVER INTRODUCED.

We are now booking orders for this for spring delivery at \$8 per 100.

Let us book your order at once, while you have the matter in mind, for such quantity as you can use. Plants will be forwarded as soon as Spring propagations are ready.

F. R. PIERSON CO., Tarrytown-On-Hudson, N. Y.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A BUNYARD, - 38 WEST 28TH STREET, NEW YORK.

GALAX LEAVES

Red and green Galax, 45c per 1000.

Leucothoe Sprays, \$2.50 PER 1000.

Cash with first order. Seven years' experience. Special price to wholesalers.

J. N. PRITCHARD, Elk Park, N. C.

Please mention the American Florist when writing.

Crimson Rambler Roses

with fibrous roots, just the kind for forcing.

\$12.00 per 100. Large size, \$15.00.

The CONARD & JONES COMPANY, West Grove, Pa.

Please mention the American Florist when writing.

WHERE are you going to buy your Holly? Our stock is ready for shipment. Sample 10 pound box, \$1. Send for it. It's strictly fine. Caldwell The Woodsman Co., Evergreen, Ala. P. S. We also sell some Wild Smilax.

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,

CHICAGO.

Holly! Holly!

Choicest Delaware Holly from the woods and swamps. Price the lowest. Also Wreaths and Laurel Roping.

SOUTHERN FRUIT CO., Georgetown, Del.

SELECTED WILD SMILAX, 50 lbs. net weight, \$2.00 per case; 30 lb. cases, net weight, \$1.50 per case.

MAGNOLIA FOLIAGE, very fine in decorations, also in wreaths, same price as wild smilax.

LEUCOTHOE SPRAYS, \$3.00 per 1000.

HOLLY, extra fine, well-berried; cases 16 cubic ft., per case \$2.50. Per case of 7 cubic ft., \$1.75.

LONG NEEDLE PINES, carefully selected, \$1.25 per dozen. Cash with order from unknown correspondents.

EVERGREEN FLORAL CO., EVERGREEN, ALA.

Holly and Sheet Moss.

HOLLY in case 2x2x4 ft. \$2.50

" " 2x2x8 ft., long brauches, 5.00

GREEN SHEEN MOSS, large pieces, bbl. 1.50

Holly is a dark green with large red berries. Satisfaction guaranteed.

W. Z. PURNELL, Snow Hill, Md.

Please mention the American Florist when writing.

PALM FIBRE....

Large consignment just received.

Price on application.

SUZUKI & IIDA, 11 Barclay St., New York.

GALAX LEAVES!

J. L. BANNER & CO., Montezuma, N. C.

Your Advertisement

will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in

The Best Drummer.

The American Florist.

Wild Green Things and Nothing Else.

Not always the cheapest but ALWAYS THE BEST. This is true of every article we offer.

GALAX, Bronze and Green } Quantity Unlimited. { HOLLY, selected quality.
SOUTHERN SMILAX } { CYCAS LEAVES, fresh and prepared.

Wreaths of Princess Pine, Roping of Princess Pine and Laurel.

The Kervan Co., F. B. KERVAN, Prop.

Telephone 551 Madison Sq.

30 WEST 29TH ST., NEW YORK.



FANCY DAGGER

HARDY CUT FERNS

In 1000 lots, \$1.00 per M. Discount on larger orders. Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

HOLLY, Dark green, well berried.

50 lbs., net weight, per case.....\$2.50
25 lbs., net weight, per case..... 1.50

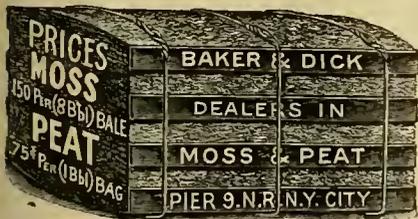
WILD SMILAX.

Per 60 lb. case..... 2 00
" " "..... 1.50

LONG NEEDLE PINES, assorted sizes, 2½ to 4½ ft. high, per doz., \$1.20; per 50, \$4.00; per 100, \$7.00.

Prompt attention given telegraphic orders.

R. A. LEE, - Evergreen, Ala.



ONE DOLLAR FIFTY PER 1000 FOR BRONZE GALAX LEAVES

Delivered NOW FREE, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for Ten Cents.

AMERICAN ROSE CO., Washington, D. C.

Stop Walking the Floor. You won't be disappointed if you place your orders for

SOUTHERN WILD SMILAX

With CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace."
N. B. We also sell some Holly.

WHERE TO BUY HOLLY

Place your order with PULLEN. Place it now for the very best grade of bright green foliage, well berried, fresh from the swamps.

HOLLY WREATHS. Only first-class materials used—fresh green leaves plentifully clustered with berries. In ordering be sure and state size wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

NURSERY STOCK. All varieties of fruit—Peach, Pear, Apple, Plum, Cherry, Apricot, Quince—every one warranted true to name. Have an extra fine block of Japanese Plum.

PLANTS. Can furnish anything you wish in plants. **GOODS ARE THE BEST. PRICES ARE LOW.**

Write for Particulars. W. W. PULLEN, Nurseryman and Fruit Grower, MILFORD, Del.

HOLLY! HOLLY!

We shall have the best Christmas Holly ever seen in the Boston market. Every case carefully filled by our own men with specially selected branches. NO RUBBISH.

SURE QUALITY AND SURE DELIVERY. PRICES READY NOW.

N. F. McCARTHY & CO.,

84 Hawley St., BOSTON, MASS.

CHRISTMAS TREES.

NURSERY GROWN, WELL FURNISHED

NORWAY SPRUCE	3 to 4 feet.....	\$15.00 per 100
	4 to 5 feet.....	18.00 per 100
	5 to 6 feet.....	20.00 per 100
	6 to 8 feet.....	25.00 per 100
	8 to 10 feet.....	35.00 per 100
	10 to 12 feet.....	40.00 per 100
	12 to 15 feet.....	50.00 per 100

FROM 3 TO 35 FEET HIGH.

Lowest prices on Laurel-Leaved Willows, Sycamore and Silver or Soft Maples in America. Oaks, Oriental Plane, Norway, Sugar and other Maples, Magnolias, Nut Trees, Evergreen Trees, Specimen California Privet, etc. SEND FOR CATALOGUE.

CHAS. B. HORNOR & SON, Mount Holly, Burlington Co., N. J.

Albany, N. Y.

TRADE AT THANKSGIVING HEAVIER THAN IN PREVIOUS YEARS—EYRES BUYS A NEW ESTABLISHMENT.—OTHER NOTES.

Thanksgiving trade in Albany was very good. Some dealers estimate that it was fifteen per cent better than that of a year ago and others place the estimate as high as twenty-five per cent. There was a great demand for violets, which cleaned out the local supply in short order. The price went up to \$3 and even \$4 per hundred. The season for chrysanthemums has practically closed.

H. G. Eyres, an enterprising florist on North Pearl street, has purchased the greenhouses and property formerly owned by William Davidson, at the corner of South Knox and Morris streets. There are five greenhouses on the lot and these will be added to in the spring, as Mr. Eyres contemplates making additions for the purpose of raising decorative plants.

F. A. Danker, florist on Maiden Lane, has added a storeroom and shipping department 30x35 feet to his attractive store.

George T. King, of Hyde Park, Mass., called upon several of the local florists a day or two ago. R. D.

Sidney, O.

Ben. P. Wagner has laid out a park of twenty acres which promises to speedily become one of the finest residence portions of the city. Nine fine dwellings have already been erected and two more are under way. One of the features of the place is a greenhouse establishment which has been placed in charge of August Fischer, who has been in business for himself at Quincy, Ill. The Wagner greenhouses are three in number. The front building is a palm house 20x80 feet. At its rear, running east and west, are the two other houses, one 22x75 feet for carnations and one 26x75 for roses. There is in addition a propagating house, a neat office building and a boiler shed.

Choicest Stock, LOWEST PRICES.

VERBENAS. 20th Century Collection now ready. The finest set of New Mammoth Verbenas in America. 25 grand sorts, strong 2-inch pot plants, \$2.00 per 100; strong rooted cuttings, 60c per 100; \$5.00 per 100.

COLEUS. our champion collection, embracing the newest sorts and only those of decided merit, strong 2 1/4-inch, \$1.50 per 100, (special).

GERANIUMS. strong 2-inch, mixed colors, \$1.50 per 100. Strong R. C. of Bruanti and Heteranthe, best scarlet bedders and all colors mixed, \$1.25 per 100, \$10.00 per 1000, (special). Mme. Sallerol, strong 2 1/2-inch, \$1.50 per 100; 2-inch, \$1.25 per 100. Rose Geraniums, strong R. C., \$1.00 per 100, (special).

NEW AGERATUMS. Louise Bonnat, latest novelty in white, and Princess Pauline, latest blue, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 60c per 100, (special).

ALTERNANTHERAS. bright red, variegated and yellow, 50c per 100, \$4.00 per 1000, (special for ten days).

NEW SALVIAS. St. Louis and Splendens, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 75c per 100, (special).

MARGUERITES. New California Giant White and New Golden, strong 2 1/4-inch, \$2.00 per 100; strong R. C., \$1.00 per 100.

ASPARAGUS SPRENGERII. strong 2 1/4-in., ready for 3-inch, \$2.00 per 100, (special).

ROSEFS strong 2 1/2-inch Brides and Maids, \$2.00 per 100, (special).

NEW DOUBLE FRINGED PETUNIAS. The set we are to send out this season is a record breaker. Strong R. C. ready December 10th. Place your orders early for this collection.

CASH WITH ORDER.

South Side Floral Co., Springfield, Ill.
Please mention the American Florist when writing

New White Chrysanthemum Timothy Eaton

THE SENSATION OF THE YEAR

THE FINEST VARIETY GIVEN TO THE TRADE SINCE 1893.

TIMOTHY EATON came over to our fall shows and captured every cup and prize for which it was entered.

It is the largest globular Japanese incurved variety yet raised; packs and travels perfectly, has no equal as a keeper; has a stiff stem and brings a full crop of perfect blooms. A variety that pays for its space.

READY APRIL 1, 1901.

Price 50c Each, \$5 per Doz., \$30 per 100.

The two firms below are joint owners in the United States, while Messrs. Miller & Sons reserve all Canadian rights.

ROBT. CRAIG & SON, THE E. G. HILL CO., Philadelphia, Pa. Richmond, Ind.

MILLER & SONS, Bracondale, Ont., Canada.

THEY'RE ELEGANT--XMAS AZALEAS

Pink, Red and White. 50c to \$5 Each! All Sizes. Buy Now.

- Erica Fragrans.....\$.75 to \$1.25 each.
- Fruited Oranges... 1.00 to 2.00 "
- Fruited Ardisias... .50 to 2.00 "
- Epacris, new pink.....\$1.00 each.
- Boston Fern50c to 2.00 "
- Primulas, \$4.00 per dozen.
- Rubbers, 4-in., 5-in., 6-in., \$35.00 to \$50.00 per 100.

CASH WITH ALL ORDERS.

A. Schultheis, College Point, N. Y.

HEACOCK'S PREMIUM PALMS.

- ARECA LUTESCENS.**
3 plants, 6-inch pot, 24 to 28 inches.....\$12.00 per dozen; \$100.00 per 100
3 " 8 " 36-inch, fine.....\$3.00 each
- COCOS WEDDELIANA.**
1 plant, 2 1/4-inch pot, 8 to 10 inches high.....\$15.00 per 100
1 " 3 " 10 to 12 " 20.00 per 100
1 " 4 " 18 inches high..... \$.50 each
3 " 5 " 18 " 1.00 "
- KENTIA BELMOREANA.**
4-inch pot, 5 to 6 leaves, 15 inches high.....\$ 4.50 per dozen; \$ 35.00 per 100
6 " " 6 " 24 " 15.00 " 125.00 "
8 " " 6 to 7 " 30 to 32 inches high.....\$3.00 each.
- KENTIA FORSTERIANA.**
4-inch pot, 4 to 5 leaves, 15 inches high.....\$1.50 per dozen; \$35.00 per 100
6 " " 5 " 24 to 28 inches high.....\$1.00 each; \$12.00 per dozen
6 " " 5 to 6 " 30 " 1.25 " 15.00 "
8 " " 6 " 36 to 40 " 3.00 " 36.00 "
8 " " 6 " 48 to 50 " 4.00 " 48.00 "

JOSEPH HEACOCK, Wynote, Pa.

Stock Plants

PRIZE... WINNING Chrysanthemums

The very best to date

New Geraniums, best Bedding and Pot varieties. List of varieties and prices on application.

NATHAN SMITH & SON, Adrian, Mich.

WE ARE GROWING THE FOLLOWING ROSES:

- METEOR,
 - BRIDES,
 - MAIDS,
 - KAISERIN,
 - PERLES,
 - BEAUTIES,
 - LIBERTY,
 - GOLDEN GATE,
 - LA FRANCE,
 - BELLE SLEBRECHT,
 - FRES. CARNOF.
- Rooted cuttings now ready.

Write GEO. A. KUHL, Pekin, Ill.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

**ROOTED CUTTINGS
CARNATIONS.**

	Per 100	Per 1000
CRANE.....	\$2.50	\$20.00
BRADT.....	2.50	20.00
EVANSTON.....	2.00	17.50
JOOST.....	1.50	12.50
WHITE CLOUD.....	1.50	12.50
FLORA HILL.....	1.50	12.50
DAYBREAK.....	1.50	12.50
TRIUMPH.....	1.50	12.50
ARMAZINDY.....	1.50	12.50
TIDAL WAVE.....	1.50	12.50
WM. SCOTT.....	1.00	8.00
MRS. LAWSON.....	6.00	
ETHEL CROCKER.....	6.00	
MARQUIS.....	5.00	
GENEVIEVE LORD.....	5.00	
IRENE..... Per doz., \$1.50;	10.00	75.00

ROSES.

KAISERIN.....	\$1.50	\$12.50
LA FRANCE.....	1.50	12.50
METEOR.....	1.50	12.50
PERLE.....	1.50	12.50
BRIDE.....	1.50	12.50
BRIDESMAID.....	1.50	12.50
GOLDEN GATE.....	2.50	20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

NEW CARNATIONS FOR 1901.

Lorna—(Dorner). Pure white, a decided improvement on white Cloud in size, habit stem, form, color and continuous blooming. \$10 per 100; \$75 per 1000.

Mermaid—(Dorner). Salmon pink, large flower, good color, early and extremely free. Stem a little weak after transplanting but improves quickly. A good summer bloomer in the field. \$6 per 100; \$50 per 1000.

Roosevelt—(Ward). Rich brilliant scarlet, shaded maroon. Early and free. The peer of all dark Carnations. \$12 per 100; \$100 per 1000.

Prosperity—(Dailedouze). White overlaid with pink. An exceptionally large Carnation. The winner of the Lawson Gold Medal in 1900. \$16 per 100; \$130 per 1000.

Irene—(Crabb & Hunter). Commercial pink Carnation. Free and continuous bloomer. \$10 per 100; \$75 per 1000.

Let us book your order now for the new varieties. Also for the 1000 Novelties—Crocker, Lawson, G. Lord, Marquis, Olympia and Peru.

F. Dorner & Sons Co. Lafayette, Indiana.

We make a specialty of rooted cuttings.

He Told The Truth when he said

ETHEL CROCKER is absolutely the best pink Carnation ever offered. Without question this peerless variety is the best money maker in sight. How many do you want? Fine healthy rooted cuttings NOW READY.

\$4.00 per 100, \$30.00 per 1000 for cash with order. W. W. COLES, - Kokomo, Ind.

Orders booked now for

Ethel Crocker,

the best pink Carnation out. Rooted cuttings will be ready on and after Jan. 1st. Price, \$4 per 100; \$30 per 1000.

GEO. HARRER, Morton Grove, Ills.

QUEEN LOUISE CARNATION

This new Carnation producee the finest flowers, is perfectly healthy and is the best white variety ever introduced.

IT BLOOMS EARLY — IT BLOOMS LATE — IT BLOOMS ALL THE TIME.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November. No other Carnation can stand such a test.

Price \$10 per 100, \$75 per 1000.

Rooted Cuttings ready February 15th. Come and see it or send for circular.

J. L. DILLON, - Bloomsburg, Pa.

DOROTHY GENEVIEVE LORD

Seedling pink Carnation. Scott color. Commercially the best of all Carnations yet introduced.

Rooted Cuttings, \$10 per 100; \$75 per 1000. Also Rooted Cuttings of

\$6.00 per 100; \$50.00 per 1000. Orders booked now for rooted cuttings of above varieties.

E. T. GRAVE, Richmond, Ind.

CARNATION PLANTS

ALL SOLD.

Ready to book your orders for Rooted Cuttings of all the leading varieties, for spring delivery. Let me quote you prices before placing your orders.

Wm. Murphy, Wholesale Carnation Grower, Sta. F, CINCINNATI, OHIO. Please mention the American Florist when writing.

Carnations

Rooted Cuttings, that are full of roots, at reasonable prices.

HEADQUARTERS FOR ETHEL CROCKER.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

Genevieve Lord, The greatest money getting pink Carnation ever introduced. A descendant of Wm. Scott, but it's superior in every way. A big claim; if you don't believe it, come and see it. Please note change in price of rooted cuttings for January 1st delivery and after; \$3 per 100; \$50 per 1000. Booking orders now. Delivery any time you say after January 1st., 1901. **CHRYSANTHEMUMS**, stock plants, new and old varieties. Write for prices.

H. WEBER & SONS, OAKLAND, MD. Please mention the American Florist when writing.

PROSPERITY

Is the name of the superb CARNATION heretofore known as No. 666, to be disseminated March 1, 1901. For particulars apply to

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

Please mention the American Florist when writing

LIBERTY, four-inch, \$75.00 per 100. **MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR**, 3-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. **GRAFTED BRIDE**, \$20.00 per 100, 6-inch.

A. S. MacBEAN, LAKEWOOD, N. J.

VEGETABLE PLANTS

CABBAGE—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$8.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

CYCLAMEN!

FOR IMMEDIATE SHIPMENT.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world, in four true colors, a splendid stock of plants, in bud or bloom, from 4-inch pots, \$1.50 per doz.; \$12.00 per 100. From 3-inch pots, in bud, \$7.00 per 100; \$65.00 per 1000.

I solicit your patronage, and guarantee satisfaction.

PAUL MADER, E. Stroudsburg, Pa.

Cincinnati.

TRADE GOOD FOR THANKSGIVING.—CHRYSANTHEMUMS ARE GONE.—CARNATIONS NOW IN DEMAND.—A SHORTAGE AT MURPHYVILLE.—NOTES.

A good business makes all the florists happy. Frank Ball, of the Cincinnati Cut Flower Co., states that never before has he handled as much business for Thanksgiving as he did the past week, and this seems to be the universal statement from all the florists. Chrysanthemums are pretty well cleaned up by this time and the demand now seems to be for fancy carnations. And how the boys do hustle to get their orders placed in the wholesale house for Enquirer. One store man has placed an order for 100 blooms three times a week at \$8 per hundred. Not so bad for this time of the year.

What's the matter with Murphyville? In past years by this time they were sending in from 10,000 to 15,000 carnations a week, but now it seems about 6,000 is all they can gather.

Walter Gray is cutting a fine lot of Brides and Bridesmaids. His roses are in full crop and Walter wants to know "where he'll be at" about Christmas time.

Al. Bruner is able to be about again, after being laid up for ten weeks, the result of a street car accident.

E. G. Gillette says he is well satisfied with business so far this season. D.

LOWELL, MASS.—On the night of November 30, police officers discovered and extinguished an incipient conflagration in the greenhouses of Harvey Greene, thereby preventing a heavy loss.

KENNETT SQUARE, PA.—Wm. Swayne's office building was destroyed by fire on the night of November 27 and there was some loss on stock. The blaze originated in the loft over the office, in some excellent stored there.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/4-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early from

Money Order Office, EDWIN LONSDALE, Sta. H. Philadelphia, WYNDMOOR, (Near Phila.), Pa.

N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

Latania Palm Plants

Pots.	Plants to pot	Leaves	Per doz.
6-in.	1 20 to 22-in. high	6 and 7	\$ 6 00
6-in.	2 20 to 22 "	10	9 00
6-in.	3 20 to 22 "	12 to 14	12 00
7-in.	1 2 ft. ht. & diam.	7 to 8	12 00
7-in.	2 2 " "	10 to 12	15 00
7-in.	3 2 " "	12 to 16	18 00
8-in.	1 2 1/2 " "	8 to 9	18 00
8-in.	2 2 1/2 " "	15	20 00
8-in.	3 2 1/2 " "	18 to 20	24 00

Ficus Elastica, 6-in. pots, 2 1/2 ft. high, 16 to 20 leaves, \$9.00 per doz., \$85.00 per 100.

Pandanus Veitchii and Croton Plants, prices on application.

J. W. COLFLESH, 53d & Woodlawn, W. Phila, Pa.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.

Asparagus Sprengeri—Strong 3 1/2-in., \$6.00 per 100.

New Rose Snowflake—The Daisy Rose, \$10 per 100.

New Laca Fern—Fronds last a month, \$6.00 per 100.

New Russelia Multiflora—2 1/4-inch, \$4.00 per 100.

50 New Plants not to be Had Elsewhere.

Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$20.

Cannas, Dahlias, and all summer blooming bulbs.

Electros and Cuts for Florists and Seedsmen.

A. BLANC, PHILADELPHIA, PA.

40,000

Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—\$35, \$50, \$75 and \$100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....\$35 per 100 14 to 16 inches in diameter.....\$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2 1/2 in. pots ready for shifting into 3 in...\$5 per 100 Strong 3 in. pots...\$8 per 100
Asparagus Sprengeri—2 1/2 in...\$5 per 100 Asparagus Sprengeri—3 in...\$7 per 100

BOSTON FERNS.

Strong 2 1/2 in. pot plants.....\$10 per 1000 Strong 4 in. pot plants... \$15 per 100
Strong 5 in. pot plants.....\$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramb'ers—Extra strong, with canes 3 to 5 feet long.....\$12 per 100
\$100 per 1000.

Hybr of Perpetual—Large assortment of best forcing varieties.....\$10 per 100
\$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

Ball's Palms, &c.

CHOICE HARDY STOCK, EXTRA STRONG.

Areca Lutescens, several plants, 4-inch, @ 25c; 6-in. @ 50c and 75c; 8-in. @ \$1.50; 10-in. @ \$4.00 and \$5.00. Large specimens, 14-in. and 16-in. @ \$17.50 to \$35.00.

Latanla Borbonica, 4-in. @ 25c; 6-in. @ 50c and 75c. Made up, 3 plants together, large and showy, 6-in. @ 75c; 8-in. @ \$1.

Kentia Forsteriana, 3-in. @ 20c and 25c; 4-in. @ 40c and 50c.

Kentia Belmoreana, 3 in. @ 20c and 25c; 4-in. @ 40c and 50c; 5-in. @ 75c; 6-in. @ \$1.00 and \$1 25; 8-in. @ \$2.00.

Livistona Rotundifolia, strong, 4-in. @ 40c; 5-in @ 75c.

Pandanus Veitchii, 6-in. @ \$1.00; 8-in. @ \$2.00.

Ficus Elastica, Araucaria Excelsa, Draecæna Terminalis, etc., etc.

CHAS. D. BALL,

HOLMESBURG, PHILA., PA.

Price Lists*

Gloire de Lorraine Begonia.

Elegant bushy plants, covered with buds and flowers! Just the stock for your counter sales.

	Each.	Per Doz.	Per 100
2 1/2-inch pots, bushy.....	.25	\$2.50	\$20.00
3-inch pots, bushy.....	.35	4 00	30.00

	Each.	Per Doz.	Per 100
4-inch pots, bushy.....	.50	\$ 5.00	\$40.00
6-inch pans, very fine.....	1.00	\$10.00	12.00

LILACS.

Pot-grown, for forcing, strong plants, 7-inch pots, 18 to 24 inches high, well branched and full of buds, in two sorts, CHARLES X and MARIE LE GRAY, each, 75 cents; dozen, \$7.50.

HYDRANGEA.

OTAKSA and THOS. HOGG, extra strong, field-grown plants with 5 to 7 branches, per dozen, \$2.00; per 100, \$15.00.

Vaughan's Seed Store,

Greenhouses, Western Springs, Ill.

84-86 Randolph St., CHICAGO.

Boston Ferns.

TRUE TO NAME.

Small plants from bench.....	\$ 1.00 per 100
7,000 2-inch.....	2.00 "
4,000 3-inch.....	4.00 "

Let us grow your large Ferns for next summer and fall delivery. Our prices are surprisingly low. Write us.

DAVIS BROS., : Morrison, Ill.

FLORISTS

If you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

BOSTON FERNS

You want a few fine 5, 6 and 7-inch

for your holiday trade; we have them. Also in 4, 3 and 2 1/4-inch. Write for prices. Send us your orders. Will guarantee satisfaction.

Geo. A. Kuhl, Pekin, Ill.

DAISIES,

hardy, large plants, Snowball, Longfellow, 40c per 100; \$2.50 per 1000. FORGET-ME-NOT, fine clumps, 75c per 100; \$5.00 per 1000. MIGNONETTE (Allen's Defiance), large plants out of 2 1/2-inch \$2.50 per 100.

J. C. Schmidt, Bristol, Pa.

Are You Bothered with - - GREEN FLY
 Is Your Greenhouse full of - - MEALY BUG
 Is Your House a favorite spot for - - THRIPS
 Are Your Choicest Plants Overrun with RED SPIDER



YES? Then Use

“NICOTICIDE”

Fumigating Compound

And in half an hour they will all be dead and your troubles ended. Guaranteed not to damage the foliage and flowers of the most tender plants. Write for full particulars to

THE TOBACCO WAREHOUSING & TRADING COMPANY,
 Louisville, Ky.

FORCING PLANTS.

- AZALEA INDICA. See former issues. Per 100
- Spiraea Japonica..... \$ 3.50
- “ Compacta..... 4.00
- “ Astilboides Florihunda..... 4.00
- “ Plumosa Alba (new)..... 15.00
- “ Palmata, scarlet..... 5.00
- “ “ Elegans..... 5.00
- “ “ Alba..... 5.00
- Dielytra Spectabilis (Bleeding Heart)..... 5.00
- Paeonia Officinalis rubra pl..... 8.00
- “ alba plena..... 20.00
- “ Tenuifolia fl. pl..... 18.00
- MONTHLY ROSES, Bermosa, pink..... 10.00
- “ Agrippina, dark red..... 10.00
- “ “ Clothilde Soupert..... 12.00
- H. P. Rosea, low budded, leading kinds..... 10.00
- Crimson Rambler, extra strong..... 15.00
- Hydrangea Otaksa, 4-6 shoots..... 12.00

BOBBINK & ATKINS, Rutherford, N. J.
 Please mention the American Florist when writing.

300 RUBBER PLANTS,
 4000 BOSTON FERNS, ALL SIZES
 AND Davallioides Furcans.
 Ageratum Stella Gurney.
 Write for Prices.
 CAPITOL GREENHOUSES, Springfield, Illinois.
 Louis UNVERZAOT, Proprietor.

A. SPRENGERII

Ex. strong plants from 2½-in. pots, ready for 3-in.,
\$3.50 per 100; \$30 per 1000.
 The finest stock offered for this price.
JACKSON & PERKINS CO., Newark, New York.
 Please mention the American Florist when writing.
 We are booking orders for Rooted Cuttings of
CARNATIONS,
 All the best varieties. Write us.
GEO. HANCOCK & SON, Grand Haven, Mich.

ROOTED CUTTINGS

- Nice, Clean Stuff and Well Rooted.
- Carnation Mrs. Tbos. W. Lawson, per doz., \$1.75; per 100, \$12.
 - Geranium America, per doz., \$1.
 - “ S. A. Nutt, LaFavorite, Beaute Poitevine. These are all fine stock from 2-in. and 2½-in pots. Per 100, \$2; per 1000, \$19.
 - Two new Daisies, Mme. Gaillert, large white petals, yellow disc. Nothing can be imagined that is finer. Doz., 25c; 100, \$1.25. Carl Poehlman, the new yellow ever-blooming Paris Daisy, per doz., 25c; 100, \$1.25.
 - New Salvia Yellow Bird, bright yellow foliage, bright scarlet flower, doz., 20c; 100, \$1; 1000, \$9.
 - Salvia Bolbold. This is more dwarf and much better than old Splendens. Doz., 20c; 100, \$1; 1000, \$9.
 - Ageratum Prin. Pauline, doz., 15c; 100, 75c; 1000, \$6.
 - Abutilon Savitzii, doz., 25c; 100, \$1.50.
 - Achyranthus, doz., 20c; 100, \$1.
 - Coleus, all the fancy new ones and all the standard ones.

Send for price list of our Mammoth Verbenas, etc.
 Express Paid by Me. Satisfaction Guaranteed.
S. T. DANLEY, Macomb, Ill.

SPECIAL CASH SALE

- 2000 Chinese Primroses, 2-in. pots... Per 100, \$1.00
- 1000 Cineraria, 2-in pot..... “ 2.00
- 1000 Asparagus Sprengerii..... “ 2.00
- 1000 Asparagus Plumosus..... “ 3.50
- 10,000 Geraniums, my selection,..... “ 3.00

JOS. H. CUNNINGHAM, Delaware, O.

Hardy Herbaceous
AND Alpine Plants. Field-Grown

A Complete Assortment of Old and New Vars.
 The Blue Hill Nursery, So. Braintree, Mass.
 CORRESPONDENCE SOLICITED.

We've thousands of readers and hundreds of advertisers. Each helps the other.

- CALADIUMS Fancy leaved, 40 named sorts.
 Dry bulbs, 1½ to 2½-in..... Per 100 Per 1000
 \$10.00 \$90.00
- Dry bulbs, 1 to 1½-in..... 8.00 70.00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in..... \$30.00

- PHENIX CANARIENSIS & TENUIS, Very stocky,
 3-4 characterized leaves, 15-18-in..... 15.00
- 4-5 “ “ 20-24 “..... 25.00
- 5-6 “ “ 24-30 “..... 40.00

PHENIX RECLINATA, 3-4 characterized leaves, 15-18-in., very stocky..... 25.00

LATANIA, 4-5 characterized leaves, 18-20-in..... 25.00

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in..... 12.00
 Not less than 50 at above rates.
 Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.

Geraniums

ROOTED CUTTINGS SOLD OUT.
 A few thousand QUEEN OF WEST, extra strong, left.
 Second lot will be ready the 1st of February.

Send for Price List.
PETER BROWN, Lancaster, Pa.

Edward B. Jackson,
 WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.
 In any quantity, for the least money.
STAMFORD, - OONN.

Buffalo.

THANKSGIVING TRADE PROVES RATHER BETTER THAN USUAL—BEAUTIES AND VIOLETS UP IN PRICE—CLUB TAKES STEPS TOWARD CONVENTION WORK.

From all reports Thanksgiving trade was good, rather better than last year. Stock was about equal to demands, chrysanthemums benefitting largely from the increased business. There were enough roses so that there was no increase in prices except on Beauties, the quotations on which took a sudden upward shoot. Violets were scarce and high, \$4 per hundred being the retail price. There was no surplus of carnations but bulbous stock and other items were in good supply. Chrysanthemums are nearly at an end now. It is noticeable that there has been less than the usual sale for pot grown chrysanthemum plants.

A dozen blooms of Timothy Eaton were sent here last week for exhibition and it is a great flower but not what one could call a fine one. While it is large it is somewhat coarse and if grown a little smaller would be more salable. Golden Wedding or Lincoln, both yellow, or Maud Dean would sell, I think, in preference to it.

At a recent meeting of the Buffalo Florists' Club several steps were taken to forward the work of preparation for the S. A. F. convention in August. C. H. Keitsch was appointed to superintend the exhibition.

Scott has a house of poinsettias which are a sight. Begonia Gloire de Lorraine is also very fine with him.

A. N. Broadhead, of the Lakeview Rose Gardens, Jamestown, N. Y., was a recent visitor. W. A.

WARREN, O.—Frank H. Adgate has taken a half interest in the greenhouse establishment of J. H. Adgate.

THORNTON, O — Frank Therkildson, manager of Mrs. E. Miller's greenhouses, is highly pleased with the Liberty rose as it is now showing with him.

Palms & Ferns.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, DAYTON, OHIO.

ROBT. CRAIG & SON
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA PA.

Ageratums.

Cope's Pet. 50c per 100
Lady Isabel. 50c per 100
PARIS DAISIES, white. 75c per 100
LITTLE GEM FEVERFEW. 75c per 100
CALIFORNIA MOSS. 60c per 100
FORT DODGE GREENHOUSE CO.,
H. E. MITTING, Mgr. FORT DODGE, IOWA.

SPECIALTIES IN BEST ...VARIETIES
ROSES, from 3-inch pots.
CARNATIONS, for all delivery
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

Unrooted Carnation Cuttings

	Per 100	Per 1000	Per 1000	Per 1000
Morning Glory, the coming				
Daybreak	\$2.50	\$30.00		
Mrs. Barlett (Dorner), scarlet	2.50	30.00		
Genevieve Lord, light pins	1.50	10.00		
E. Crocker, pink, fine	1.75	12.50		
Mrs. F. Joost, pink	.75	5.00		
Glacier, white	1.00	7.50		
Mary Wood, white	\$1.00	\$8.00		
Gold Nugget, yellow	1.00	7.50		
Gen. Maceo, maroon	1.50	12.50		
Gen. Gomez, dark red	1.25	10.00		
Morning Glory, rooted cuttings, shell pink	5.00	40.00		
G. H. Crane, scarlet	2.25	20.00		

25 Cuttings at 100 rates; 250 at 1000 rates.

Plants

	Per 100	Per 1000
10,000 Coleus, named, 10 varieties, 2 1/4-in.	\$1.50	
20,000 Alternantheras, r d, pink and yellow	1.50	
1,000 Salvia	1.50	
3,000 Cedum variegatum	2 1/4-in. 1.50	
5,000 Cigar Plant	2 1/4 " 1.50	
1,000 Asparagus P. Nanus	3 " 5.00	
1,000 Boston Fern, true	3 " 5.00	

THE MORRIS FLORAL CO., - Morris, Ill.

FINE Bays
Pyramids and Standards.

Specimen Rhododendrons for Forcing,
Adiantum Farleyense, cut or in pots;
Azaleas, Ficuses, Acacias,
Araucarias, Boston Ferns,
Small Ferns,
Fine cut Fronds of Adiantum tenerum,
Lorraines.

Edgar, WAVERLEY, MASS.



VERBENA KING.

Express prepaid on all Rooted Cuttings. Ready Dec. 5.
Verbenas, 40 best mammoth vars 60c per 100; \$5.00 per 1000.
Alternanthera, red and yellow, 60c per 100; \$5 per 1000.
Ageratum, 4 best vars., 60c-75c per 100; \$5.00-\$6.00 per 1000.
Heliotrope, 10 best vars. \$1 per 100; \$8 per 1000.
Daisies, 2 best vars., \$1.00 per 100; \$8.00 per 1000.
Send for our new list of other rooted cuttings and plants; it will save you money. Write for prices on larger lots.

C. HUMFELD, Clay Center, Kas.

3 - Great Glories - 3

BEGONIA GLOIRE DE LORRAINE, 2 1/4-inch pots, \$15.00 per 100.
BEGONIA GLOIRE DE LORRAINE Nana Compacta, 2 1/4-inch pots, \$15.00 per 100.
BEGONIA CALEDONIA, "The White Lorraine," 3 1/4-inch pots, \$5.00 each.
This stock guaranteed absolutely free from disease.
THOMAS ROLAND, Nahant, Mass.

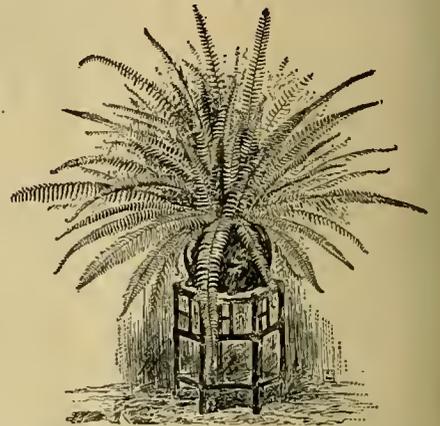
TO CLEAN OUT.

...500 Paeonia Chinensis...

In 90 different varieties at \$12 per 100; undivided 3 to 4 eyes each. Please cash with order.
VAN HEININGEN BROS., Nederland, Tex.

AGERATUM "Stella Gurney."

As necessary to your bedding stock as coleus or geraniums. Dwarf in growth, true blue and always in bloom. Strong pot plants at 75 cts. per Doz.; \$5.00 per 100.
ALBERT M. HERR, Lancaster, Pa.



BOSTON FERN A Specialty.

20,000 very fine plants at \$25 and \$20 per 100. Small plants, \$5 per 100; \$40 per 1000.
ASPARAGUS P. NANUS and SPRENGERII, for 4-in., at \$8.00 per 100. SOLANUM (Jerusalem Cherry), extra well berried, 5-in., at \$20 per 100; \$3 per dozen. **SMALL PALMS and FICUSES.**
L. H. FOSTER, 45 King St., Dorchester, Mass.



A SNAP IN Preserved Palms

We pay the freight and deliver to your nearest R. R. station within 500 miles of Chicago:

Each Palm has three 14-inch leaves and two 12-inch leaves, and are 32-inches high. Quality the best, guaranteed. 3 per cent. off for cash with order. Every palm complete. All you do is to furnish dirt to weight them. Larger palms in proportion.
VOSBRINK MERCANTILE CO., 69 S. Water St. CHICAGO, ILL.



PALM LEAVES.

Fresh green, large size, long stems, \$6 a 1000.
NEEDLE PINES, 3-4 ft., long leaf, \$5 per 100.
All f. o. b. New York. Cash with order please. Prompt shipments. Quick deliveries.
Florida Natural Products Co., Jacksonville, Fla.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Herbs, etc. All tin, 50c.; all polished copper, \$1.00. Cash with Order. Weighs about 5 pounds. Buyer pays express.
STEVENS & CO., 107 Chambers St., N. Y. City.

Vinca Major Var.

Strong, field-grown clumps, \$5.00 per 100; lit for 5-inch and 6-inch pots. Cash.
H. KINCSTON, COUNCIL BLUFFS, IOWA.

Time is Money! TO SAVE TIME AND MAKE MONEY, Buy your Florists' Supplies of M. RICE & CO., The Acknowledged Leaders.

"New" Adjustable Pot-Cover, "New" Reversible Pedestal, Plant Baskets, Stands, Prepared Cycas Leaves, Immortelles, Cape Flowers, Moss Wreaths, Our "Famous" Wheat Sheaves, Cords and Tassels, etc., etc. In fact, headquarters for the needs of the florist.

Catalogue for the Asking.

M. RICE & CO., Importers and Manufacturers, 918 Filbert St., PHILADELPHIA, PA.



THE KINNEY PUMP.

For applying Liquid Manure it has no equal!

Seat prepaid for \$2.50. Without spraying valve \$2.00.

The HOSE CONNECTION CO., R. I.



SILVER BIRCH BARK WARE.

PRICES PER DOZ.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4-in. \$1.80; 5-in. \$2.40; 6-in. \$3.00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 14-in. per doz. \$11; 11-in. \$9; 9-in. \$7. References: Geo. Witthold Co., E. Wienenhober, C. A. Samuelson, Chicago.

J. A. LYNN, 1442 WRIGHTWOOD AVE., CHICAGO.

Die Bindekunst

Einzige Special Zeitschrift der Welt für BLUMENBINDEREI.

Probenummern umsonst. Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag, ERFURT, DEUTSCHLAND.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you up on SILKALINES.

84 Kingston St., BOSTON, MASS.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brass and nickel, with three clasps for 5 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tubes, 1/4-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist, 1725 Chestnut St., Philadelphia, Penn.

The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until the burn heap is reached. It does the work much better than a hand rake and three times as fast. Easy to operate. Given certificate of merit at N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.

FINLEY LAWN RAKE CO., - Joliet, Ill.



Invalid Appliance Co., MANUFACTURERS OF COLUMBIA PLANT TUBS

"The kind that never fall apart."

If your seedman doesn't handle them, order of us direct.

FACTORY AND OFFICE: 150-152 WEDDER ST., CHICAGO. TELEPHONE NORTH 823.

BEST AND CHEAPEST

ALL-ROUND INSECTICIDE as the Market.



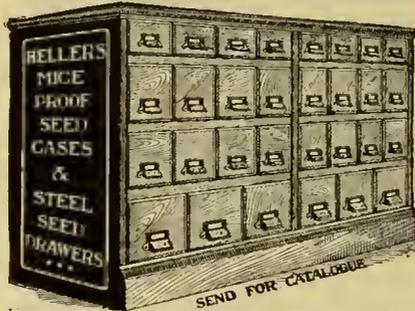
For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.



LIQUID PLANT FOOD

Grows hardier stock; grows improved stock. Stock ships better; also ready earlier. Brings better customers and more profits.

EASTERN CHEMICAL COMPANY, 620 Atlantic Ave., Boston.



HELLER & CO. MONTCLAIR, N. J. U.S.A.

Please mention the American Florist when writing.

REDUCED RATES FOR CHRISTMAS AND NEW YEAR HOLIDAYS.

The Nickel Plate Road will sell tickets December 22 to 25, inclusive, December 31, 1900, and January 1, 1901, at rate of a fare and a third for the round trip, to any point located in Central Passenger Association territory, good returning to and including January 2 1901. Vestibuled sleeping cars. Individual club meals, ranging in price from 35 cents to \$1.00, served in dining cars. Address John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. Depot, Van Buren St. and Pacific Ave., on the Elevated Loop. 42

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER AND TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

TOBACCO DUST,

FREE FROM ANY DIRT OR FOREIGN MATTER,

\$10 per 1000 lbs.

SAMPLE SENT IF REQUESTED.

MACK TOBACCO CO.,

Canal and Plum Streets, Cincinnati, Ohio.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS, 46 Marion St., NEW YORK.

THE Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The GARDENERS' CHRONICLE has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, \$4.00 per Year Remittances to be made payable to H. G. COVE.

OFFICE:—

41 Wallington St., Coven Garden, London, England.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A., SADDLE RIVER, N. J

Youngstown, O.

VARIOUS SUCCESSSES OF THE BOYS FROM PHILADELPHIA.—GOOD STOCK AND GOOD TRADE.—HIPPARD IS HAPPY.

Walker & McLean report "plenty to do." Funeral work and weddings have kept them more than ordinarily busy, while cut flowers have sold unusually well all through the season. They hit it on chrysanthemums for their stock was excellent and the prices realized were by no means of the "bargain counter order;" \$2.50 and \$3 per dozen was readily paid for choice stock. Another noteworthy success is that which they have achieved with Begonia Gloire de Lorraine. Those who have seen the plants at Craigs' can easily form an idea of what Mr. Walker's Youngstown "Gloires" look like. That they will sell goes without saying. Early Romans, like the early strawberry, are sure to attract attention and what is equally certain, the best prices are realized for choice, early bulbous stock. Early in November, the first Romans, about fourteen inches in length, made their appearance at Walker & McLean's and sold at sight. A fine new delivery wagon has just been put on the street.

E. Hippard feels happy. In the first place, he rejoices over the re-election of his friend from Canton and, in the second place, he has had a good season, shipping lots of ventilators. His new machine shop on Phelps street is a model of neatness and convenience. Judging by the number of inquiries there will be many additional houses built during the coming spring. NOMIS.

PULLMAN, ILL.—The nurseries and greenhouses here have been given up.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

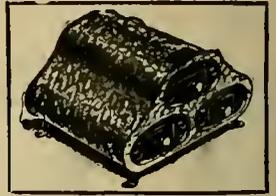
No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.

Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAMES W. ERRINGER,
Gen. West. Sales Agent,
297 Wabash Ave., CHICAGO.



Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

ESTABLISHED 1866

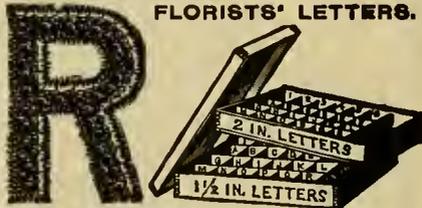
EMIL STEFFENS

SUCC. TO R. STEFFENS AND STEFFENS BROS.



Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

SIGMUND GELLER

Importer and Mr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycaea Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 58 N. 4th St., PHILADELPHIA, PA.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & CO., 54 West 31th St. New York.
HORTICULTURAL SUPPLIES.

Nikoteen
Aphis Pink
It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabcura Dip Co.
St. Louis—Chicago.

Deutsche Gartner Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs. . . . \$2.00 Per Year. Sample Copies Free. Liberal terms to florists who take subscriptions. THE GARDENING CO., Monon Bldg. CHICAGO.



THE NEW Standard Ventilating Machines.

Always reliable.
Self-oiling.
Four Styles.
All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE
E. HIPPARD CO.,
YOUNGSTOWN, O.

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

Thos. W. Weatherd's Sons,
46 Marion St., NEW YORK.

Please mention the American Florist when writing.

REBUILT MACHINERY

and SUPPLIES at Bargain Prices. Largest Machinery Depot on earth. We buy buildings and plants; among others we bought the World's Fair, the Omaha Exposition, the Chicago Post Office, and other structures. We rebuild machinery of all kinds, and sell with binding guarantees. Boilers from \$25 up; Engines from \$35 up; Steam Pumps from \$15 up.

etc. We carry complete stock of General Supplies, such as BELTING, SHAFTING, HANGERS, PULLEYS, IRON PIPE, IRON ROOFING, HARDWARE, VALVES & FITTINGS, PLUMBING MATERIAL, etc.

Will send free, our 250-page Catalog No. 1.

Constantly buying entire stocks at Sheriffs' and Receivers' sales.

Chicago House Wrecking Co.,
W. 35th & Iron Sts., Chicago, Ill.




THE
"NEW DEPARTURE"
VENTILATING APPLIANCE

You can not get a **GOOD THING** for nothing. But the price of this apparatus is next to nothing. Send for price and description to
J. D. CARMODY, Evansville, Ind.

RUSTIC WORK FOR ALL PURPOSES
MADE TO ORDER..

In stock, the most extensive variety in the country. of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

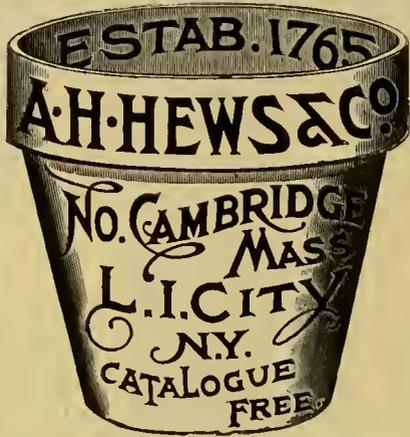
RUSTIC MFG. & CONSTRUCTION CO.,
19 Fulton Street, NEW YORK CITY.
Please mention the American Florist when writing.

HOTBED SASH In Pine, Louisiana Cypress and Red Cedar

GREENHOUSE MATERIAL,
Cal. Red Cedar and Louisiana Cypress.

BEST GRADES, PERFECT WORKMANSHIP.

A. DIETSCH & CO., 615-621 Sheffield Ave. **CHICAGO, ILL.**



D. O. Cunningham
.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.
HOT-HOUSE GLASS A SPECIALTY.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1600 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20		
1500 2 1/2 " " " 5.25	80 5 " " " 8.00		
1000 3 " " " 6.00	48 9 " " " 3.80		
800 3 1/2 " " " 5.80	48 10 " " " 4.80		
600 4 " " " 4.50	24 12 " " " 3.80		
320 5 " " " 4.51	12 14 " " " 4.80		
144 6 " " " 3.18	6 16 " " " 4.60		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & BONE, New York Agents,
53 BRY STREET, NEW YORK CITY

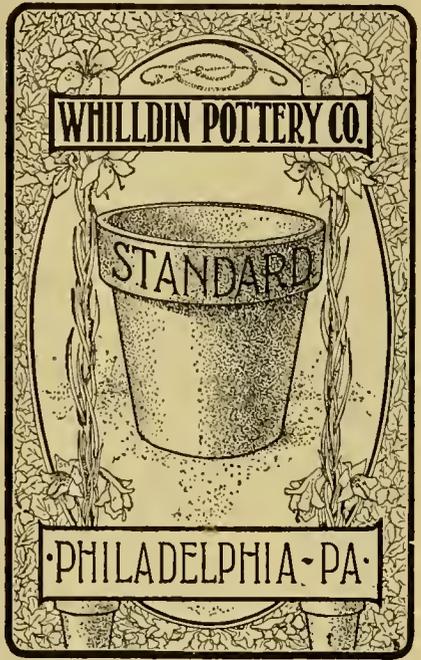
FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWANN'S POTTERY & MFG CO.,
P. O. Box 78, Minneapolis, Minn.

Standard **Pots**
FLOWER

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.

Seen by New Firms:
AMERICAN FLORIST ADVTS.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.

KELLER BROS.,
213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.

Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'FY,
HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.

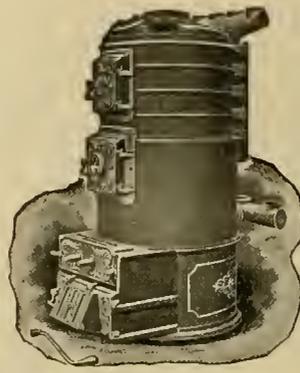
Red Standard Pots.
CORRECT SIZE.
SUPERIOR QUALITY.
Write for price list.

G. HENNEGKE GO., MILWAUKEE, WIS.

INDEPENDENT OF ALL TRUSTS.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. **THE REED GLASS & PAINT CO.,** 456 W. Broadway, NEW YORK.

Index to Advertisers.

Advertising Rates.....630	Kroeschell Bros Co....IV
Allen J K.....635	Kuehn C A.....634
Allen S L & Co.....11	Kuhl Geo A.....644
American Rose Co.....643	Labo Jos.....642
Amling E C.....637	Lager & Hurrau.....637
Baker & Dick.....643	Lakey W Rose Garden.....639
Banner J L & Co.....642	Lang Julius.....635
Beil Chas D.....646	Langjahr A H.....634
Beller F A.....638	Lee K A.....645
Barnard W W & Co.....640	Lehman Bros.....630
Bassett & Washburn.....633	Limprecht S J.....635
Baur S Alfred.....1	Lockland Lum Co.....630
Bayersdorfer H & Co.....650	Long D B.....11
Bentley & Co.....634	Lonsdale Edwin.....646
Berkmans P J Co.....647	Lord & Burnham Co....IV
Bernink H G.....634	Lucas J & Co.....111
Binderkust.....649	Lynn J A.....649
Blenc A & Co.....646	McCarthy & Co N F.....643
Blue Hill Nursery.....647	McFadden E C.....636
Bohrlrk & Atkins.....647	McKellar & Winterson.....637
Boston Letter Co.....630	MacBean A S.....645
Brague L B.....643	MacK Tobacco Co.....649
Brant & Noe.....632	Mader Paul.....645
Brown Ice Filling.....649	Mart John C & Co.....649
Machine Co.....111	Millang Chas.....635
Brown Peter.....647	Millang Frank.....635
Budlong J A.....633	Miller & Sons.....644
Bunyard H A.....642	Moller's Gartner Zel- tung.....650
Burpee W Atlee & Co. 11	Moninger C Co.....632
Caldwell the Woods man Co.....642	Moore Samuel C.....638
Carmody J D.....651	Moon Wm H Co.....649
Chadwick Chas.....632	Moore, Hentz & Nash.....635
Chicago Carnation Co.....645	Morris Floral Co.....648
Chicago House Wreck- ing Co.....651	Moss Geo M.....634
Cincinnati Cut Flo Co.....634	Murphy Wm.....645
Clark Wm A & Son.....639	Mys & Co.....632
Coles W W.....645	Nickle Plate R R.....643
Colfesh J W.....646	Niessen Leo.....639
Conard & Jones Co.....642	N Y Cut Flower Ex.....645
Conley Foli Co.....650	N Y Cut Flower Co.....635
Cottage Gardens.....1	Pennoek Sam'l S.....634
Crabb & Hunt.....1	Peterson F R Co.....642
Craig Robt & Son.....641	Pittsburg Cut Flo Co.....632
Cunningham Jos L.....647	Poehmann Adolph H.....633
Cunningham D O Glass Co.....651	Pollworth C C Co.....632
Dalliedouze Bros.....645	Pope Mrs L & Son.....642
Danley S T.....647	Prince A G & Co.....632
Davis Bros.....646	Prichard J N.....642
Deamud J B.....633	Pullen W.....643
Detroit Flo'r Pot Mfy.....651	Purner W J Co.....642
Dietsch A & Co.....651	Quaker City Moh Wre.....111
Dillon J L.....641	Randall A L.....634
Dorner Fred & Sons Co.....645	Rawlins E L.....641
Drer H A.....111	Raynor J I.....635
Dunlop John H.....638	Reed G'ase & Paint Co.....651
Dunne & Co.....650	Revan Printing House.....639
Eastern Chemical Co.....649	Reisinger Geo.....633
Edgar W W.....648	Reinberg Peter.....633
Eloehholz Henry.....637	Retzer Walter & Co.....637
Ellie Frank M.....634	Rice M & Co.....649
Ernest W H.....651	Rodgers Alex.....11
Evergreen Floral Co.....642	Roland Thomas.....648
Ferguson John B.....632	Roiker A & Sons.....636
Finley Lawn Rake Co.....649	Rusler & Con Co.....631
Fisher Peter.....640	Saltford Geo.....635
Florida Nat Prod Co.....648	Sander & Co.....647
Ford Bros.....635	Sehillo Adam.....IV
Fort Dodge G'n Co.....642	Schmidt J C.....646
Foster Lucretia H.....648	Soollay John A.....111
Gardening Co The.....650	Schu theis A.....639
Gardeners Chronicle.....649	Schulz Otto & Son.....638
Garland Geo M.....652	Sheridan W K.....635
Geller Sigmund.....651	Slebricht & Son.....1
Ghormley Wm.....635	Situations & Wants.....631
Gibbons H W.....114	Skaboura Jln Co.....650
Giblin & Co.....645	Skidelsky S S.....637
Grave E T.....645	Smith Nats & Son.....644
Gullett & Sons W H.....642	Smith W & T Co.....1
Gunther Wm H.....635	Smurthwaite C A.....1
Gottman Alex J.....635	Produce Co.....11
Gurney Heater Co.....642	Soltan C.....641
Hakenburger Carl.....632	South Side Floral Co.....644
Hall Ass'n.....648	Southern Fruit Co.....642
Hancock Geo & Son.....647	Spaul Chas & Son.....634
Harrer Geo.....645	Stearns Lumber Co.....111
Hart M A.....635	Stevens Emil.....659
Heacock Joseph.....644	Stevens & Co.....648
Heiss J B.....648	Stoothoff H A & Co.....11
Heller & Co.....649	Storrs & Harrison Co.....646
Hennecke C Co.....651	Studer N.....641
Herendeen Mfg Co.....IV	Styer J.....11
Herr Albert M.....645	Sutherland Geo A.....634
Herrmann A.....650	Suzuki & Iida.....636
Hews A H & Co.....651	Swahn Pottery Mfg Co.....651
Hill-gar Bros.....651	Thorburn J M & Co.....636
Hill The E C Co.....644	Tiee H.....639
Hilppard E Co.....651	Tob Warehouse & Trading Co.....647
Hitchings & Co.....IV	Trasndy & Schenok.....645
Holton & Hunkel Co.....632	Unverzagt Louis.....647
Hooker H M Co.....632	Vall Seed Co.....640
Horan Edw C.....635	Van Heiningen Bros.....648
Hornor Chas B & Son.....648	Vaughan's Seed Store.....1
Hort Adv.....648	Vick's Son.....636
Hose Connection Co.....649	Vincent R Jr & Son.....645
Hobbs T S Co.....648	Vosbrink Merc'ile Co.....648
Humfeld C.....648	Vredenbark & Co.....11
Hunt E H.....633	Waterbury & Co.....631
Invald Appiance Co.....649	Watson G O.....11
Jackson & Perkins Co.....636	Weathered Sons.....1
Jackson E B.....647	Thos W.....649
Jacobs S & Sons.....111	Weber H & Sons.....645
Jennings E B.....637	Weeber & Don.....11
Jennings Bros.....649	Welland & Blsch.....632
Johnson & Stokes.....639	Welch Bros.....634
Kasling W F.....634	Whitdin Pot Co.....651
Keller Bros.....651	Wielor Bros.....632
Keller Geo & Son.....651	Wilks S Mfg Co.....IV
Kellogg Geo M.....652	Wills & Segar.....637
Kennicott Bros Co.....639	Withold The Geo Co.....641
Kentucky Tob Pro Co.....649	Wood Bros.....648
Kervan Co The.....643	Woodroffe & Bern- heimer.....634
Kift Robert.....649	Woodruffs & Co.....636
Kingston H.....648	Young Jno.....635
	Young & Nugent.....635



GURNEY "400 SERIES"
HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

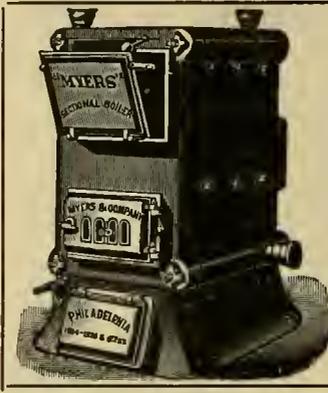
RELIABLE—DURABLE—ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St., Cor. Arch.
111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill.
Please mention the American Florist when writing.



**Exclusively
A GREENHOUSE HEATER!**

SPECIALLY ADAPTED FOR THE WORK.
EASY TO ERECT; SIMPLE IN OPER-
ATION; ECONOMICAL AS TO
CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., PHILADELPHIA, PA.
(ESTABLISHED 1849.)

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE & E. CHICAGO

GARLAND'S IRON GUTTER

No Ice. No Breakage of Glass.

This Gutter will save money in cost of construction.

GEO. M. GARLAND, DES PLAINES, ILL.

TOLDO, O.—Crane, Reihing & Crane have recently completed another greenhouse and have their place in shape for a busy winter.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI. CHICAGO AND NEW YORK, DECEMBER 15, 1900. No. 654.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.
PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.
Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. Wood, Natick, Mass., president; F. R. Pierson, Tarrytown, N. Y., vice-president; Wm. J. Stewart, 67 Bromfield St., Boston, Mass., secretary; H. B. Beatty, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.
OFFICERS-ELECT (to be installed January 1, 1901) Patrick O'Mara, New York, president; W. F. Kasting, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March, 1901.
LEONARD BARBON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

Carnations—Stem-rot, its causes and remedies	653
—Diseased carnations	653
Rochford's system of retarding plants	654
A carpet bedding advertisement (illus.)	655
Experiences of wholesale rose growing	655
Cosmos under glass	656
Begonia Gloire de Lorraine (illus.)	656
Chicago	656
New York	657
Walter F. Sheridan (portrait)	658
Boston	658
Philadelphia	659
St. Louis	659
Cleveland	659
Indianapolis	659
Salt Lake City	659
American Carnation Society	660
Society of American Florists	660
Forcing daffodils	660
Standard chrysanthemums	660
Too many horticultural societies	660
Obituary—David S. Wright	661
—Horace W. S. Cleveland (portrait)	661
The seed trade	666
—Insurance suit goes against S. F. Leonard	666
—The government seed shop	666
—Japanese longiflorum exportations	666
The nursery trade	668
Cincinnati	668
Our pastimes	670
Pittsburg	670
Milwaukee	674
Lincoln, Neb.	676
New Haven, Conn.	678
Minneapolis	680
Washington	683

CARNATIONS.

STEM-ROT, ITS CAUSES AND REMEDIES.

Stem-rot seems to be almost universal in some sections of the country this season. Indeed it is so prevalent that some growers think the carnation is threatened with extinction unless there is a remedy forthcoming. This might be a good time to make a few notes in plain writing on good cardboard and nail them up in one of the carnation houses for reference next season.

In the first place recall the day the cuttings were taken out. Was there any sign of fungus about them when potted up? I can trace a number of cases of stem-rot this season right to the cutting bed of last spring. While this may not always hold good, in seeking for information, causes and prevention, it will be well to do a little tracing on your own account. Possibly one particular batch of cuttings may have been affected with fungus. If so you will be likely to find that particular batch of plants affected with stem-rot.

We can therefore write on our card: "Do not use any cutting that has been within three inches of a spot of fungus in the cutting bench." Where the cuttings are boxed or planted into beds instead of potting, even greater care should be used, as one cutting may affect the whole box, perhaps not noticeably, but enough to start a nice case of stem-rot.

Carelessness in planting and field culture in some instances will develop the disease, and especially so during a wet season. Planting too deeply and throwing dirt among the lower leaves in cultivating are about the only things to be avoided at this stage of their culture. Planting on a slightly elevated ridge is a good preventative for field stem-rot, but is not so good for their general growth, with such dry seasons as we have had the past few years.

Carelessness in planting in the houses is quite often a cause of stem-rot. Several such cases came under my notice this season. In one case the roots were sticking out at the top and the lower branches of the plants were all embedded in the soil. In another case the roots were all right but the branches were down in the soil. This state of affairs is much more common than most of us would suppose. It is a direct invitation to stem-rot and one almost invariably accepted. Put it down on your card that every planter must get the roots down into the soil and the tops up, with at least half an inch of stem

between the top of the soil and the lower branches of the plant.

After having good cuttings and planting them properly, both outdoors and inside, a very bad case of stem-rot can be developed by improper watering, too close an atmosphere, or even by an undue proportion of humus in the soil. A very prominent grower told me that one of his men believed in lots of water and little air for freshly planted carnations and before he knew it the soil was in such a condition that stem-rot became almost an epidemic.

In looking for remedies we have much to learn. Where trouble arises from the cutting bench fungus, a liberal application of air-slaked lime around the base of the plants is sometimes a check to the trouble. Possibly some grower may have a more effective fungicide, but not to my knowledge.

Where the trouble comes from careless planting in the houses there is nothing to do but to take the plants out and replace them properly. Where it comes from an improper condition of the soil, and no doubt much of it does come from this cause, the prompt application of air-slaked lime to the soil will usually check the trouble and put the soil back into normal condition.

Perhaps the mechanical condition of my soil is not conducive to stem-rot; at least I have been fortunate enough to escape it excepting when I would occasionally get hold of a batch of cuttings that had fungus among them.

Whether we have it or not, it seems to be a growing evil, and it will pay every grower to keep his eyes wide open for facts. At the meeting of the American Carnation Society in Baltimore, February 21 and 22, a portion of the time will be devoted to this subject and with all parts of the country represented there will no doubt be much valuable information brought out. ALBERT M. HERR.

DISEASED CARNATIONS.

ED. AM. FLORIST:—We send you by express to-day a carnation plant infected by a disease that is new to us. It first appears as small spots on the leaves, which soon shrivel, and the disease spreads from plant to plant quite rapidly. It made its appearance in a new house, 35x150 feet, built last summer. We have run the house at a night temperature of 48° to 50° and there have been but few nights when we have not had some air on. We have not seen any red spider or thrip in the house and the plant we send

is a fair average of the stock. Can you inform us about the disease and give a cure or a remedy to prevent its spreading? The plants were grown in the field during the summer and were planted in the house about the first of September.

W. S.

The plant is apparently suffering with a bad attack of spot. Like all fungous diseases, and insect diseases, too, for that matter, this is greatly favored by any conditions which produce a weakened condition of the plants. Judging from the looks of the one plant shown it would seem that the bench has been so closely planted that a crowded condition has occurred, shutting out the air from the lower shoots and encouraging a soft growth. This plant has been set, apparently, much deeper in the bench than we think best or else a heavy mulch has been applied. From the looks of some of the shoots it is quite likely that the soil has been more or less soured by too much manure.

I would suggest that the plants be thinned by cutting away weak and diseased growth and loosened to admit as much air among the shoots as possible. That the mulch, if any, be removed and the whole bench be whitened with air slaked lime, to be well washed into the soil. The resulting crust on the soil, when dried, must be well broken up. A second and even a third application may be necessary. Run the plants a little dry. Discontinue all syringing and all feeding. If red spider appears use Prof. Serrine's Ivory soap spray. If a decided improvement does not appear in two or three weeks the writer would not hesitate to throw the plants out and replace with any other convenient crop. W. N. R.

STEM-ROT IN CARNATIONS.

The Agricultural Experiment Station at Kingston, R. I., has been continuing the experiments in this matter, a report of which appeared last year. The main purpose of the present year's work was to ascertain whether the use of stable manure encouraged the spread of the disease. The results of this season's work do not change the conclusions drawn from the work of last year.

New, clean sand should be used, and soil in which carnations have previously been grown should not be used. There is nothing to indicate that the use of stable manure favors the spread of the disease.

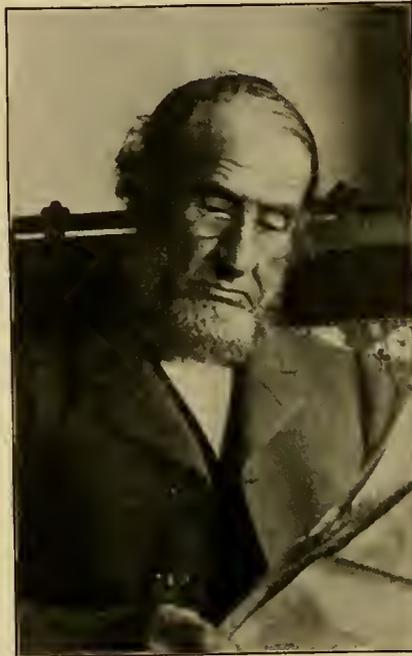
Rochford's System of Retarding Plants.

That well known grower, Thomas Rochford, of Hoddesdon, Eng., has recently adopted a system of retarding plants, bulbs, etc., at his establishment, particulars of which are taken from a recent issue of the *Gardeners' Chronicle*, as follows:

"Mr. Rochford first commenced independent trials in connection with the retarding of lilies by means of cold air, some five or six years ago, and used a small, non-conductive chamber fed with cold air from an oil engine. The results obtained from this small beginning must have been very satisfactory, for they were sufficiently convincing to lead Mr. Rochford to sink a large amount of capital in the erection last year of the immense chambers now in use, and of a large engine and boilers. There is so much forcing of lilies carried out annually at the Turnford Hall nurseries, that Mr. Rochford had not to rely upon the experiences of others, even of those who

may have bought retarded crowns from himself. Under his directions the crowns were purchased from the continent, placed in the conditions afforded by the small cold chamber, removed from the chamber into a temperature in which they could develop flowers, and were eventually sold by him in the market. And the experience that has been already obtained from the new and larger chambers is as satisfactory as it could be expected, after proceeding upon so thoroughly careful lines as did Mr. Rochford. All these details in experience that have been gained are useful to prove the safety of the system, and the certainty with which good results may be looked for from its practice.

"Before inspecting the chambers themselves, we were shown the two large marine tubular boilers by which the engine is worked, and the engine itself. The production of cold air is done by



THE LATE H. W. S. O'LELAND.

applying a well known scientific principle, that of compression. All that is needed to reduce the air to a state of coldness is to compress it, and the more it is compressed the colder it becomes. Mr. Rochford's plant reduces the air to a temperature of 90° below freezing point, and when it leaves the engine, it has a pressure of fifty pounds to the square inch. This is conducted into the cold chambers, and means are taken to get it to thoroughly circulate through them. If a plug be removed from the conducting pipe between the engine and the chambers, the compressed air is belched out in vapor just as steam would be. We held our hands over this for a brief moment and it numbed them; but imagine one's self in a temperature of 90° below freezing point!

"As we entered one of the four chambers, and one still containing a large number of dormant crowns of lily of the valley, bulbs of several species of liliium, also seakale, spiræas, plants of *Azalea mollis*, lilacs, etc., all of them still in the dormant state that commenced last winter, the hands and feet became cold, and the film of ice that covered the walls, the

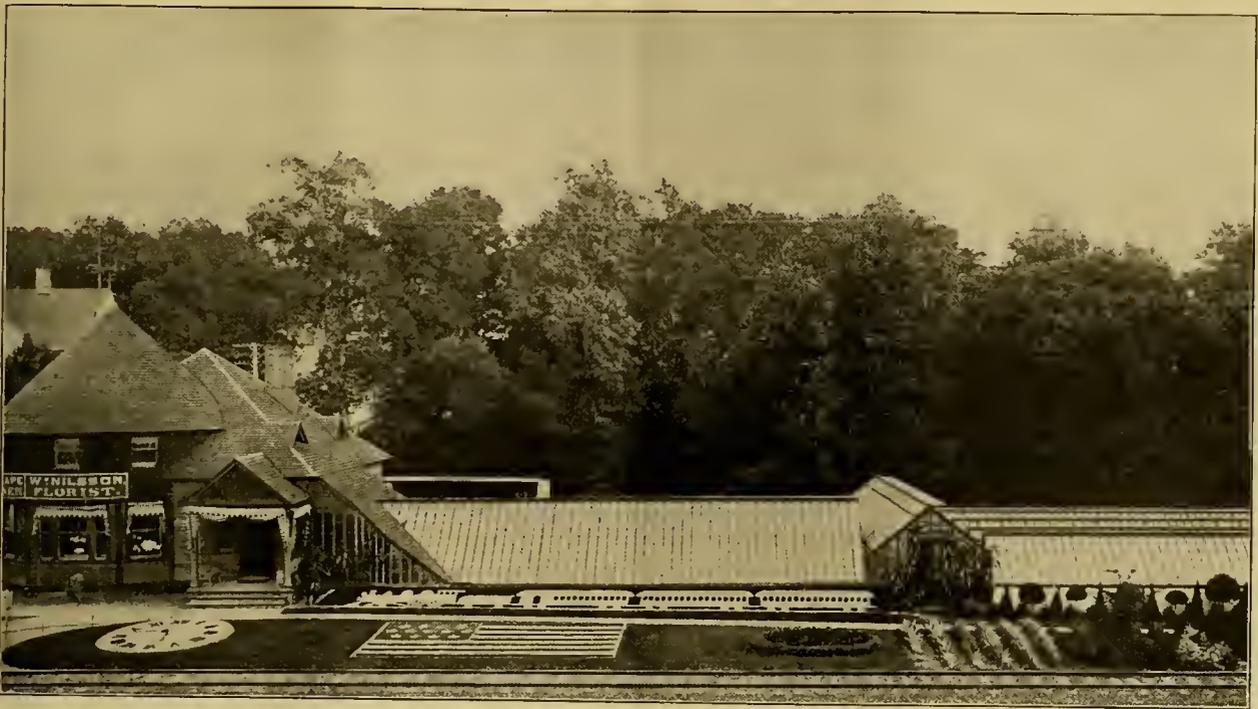
hardened state of the material packed around the resting plants, every condition we noticed, reminded us of vegetation out of doors during a spell of hard frost. Yet there is a very great difference, and one that may exist for a long time, though eventually, we doubt not, it will be overcome—and it is the difference between light and darkness.

"At present cold chambers are necessarily dark, because the roof must be made as non-conductive as the walls, or it would be impossible to maintain the degree of cold required when the sun is hot in June. And this darkness is a total absence of light, or as Mr. Rochford's manager expressed it, 'a darkness one can feel.' This fact at present prevents the retarding system from being applied to plants that hold their leaves through the winter. Total deprivation of light can only be endured for a long season by plants that have no leaves at the time, and by bulbs and tubers. If it were otherwise, then there would most likely be the certainty of a supply of ripe strawberries on every day in the year, just as lilies of the valley may be obtained every morning without a break; and notwithstanding what we have already written, we shall be surprised if means are not found to apply the system in a modified degree to strawberry plants, if only to retard them fruiting for a fortnight or a month later than the latest varieties out of doors.

Having said something of the conditions of the cold chambers at the present time, and the method by which they are maintained cold, it should be mentioned that they are built entirely above ground, and that the walls are constructed in a manner similar to that adopted in cases of first-class fruit rooms, in order to render them as non-conductive of heat or cold as possible. They contain a vertical layer of sawdust, and one of still air. In the chambers themselves there is a cubic space of sixty-five thousand feet, and as resting plants may be stacked from floor to ceiling, a very large quantity indeed can be thus housed. Lily crowns are not put into the chambers in baskets as they are received from the continent, but in flat boxes and other receptacles, so that their heads are exposed, except for the cocoanut fiber around them, which barely covers them. If put away stacked in baskets, it would probably be found that the cold air being unable to circulate freely through such a mass, some of them would make attempts to grow, which, though unsuccessful, would lessen their value very considerably. Lily bulbs, azalea plants and lilacs are also bedded, so to speak, in cocoanut fiber.

"In connection with the subsequent cultivation of these retarded plants, it is necessary to point out that they require to be afforded very little warmth. After prolonged subjection to so cold a temperature, they appear to be more easily excited into growth, being actually impatient to commence, and no greater mistake could be made than to put them immediately into a strong heat. A temperature of 45° to 50° is amply sufficient.

"It may be interesting to give a few particulars in respect to the time required from the moment the plants are taken from the refrigerator, until they are in full bloom, which we are permitted to extract from a memorandum book at Mr. Rochford's nursery. Treated as coolly as possible, lily of the valley crowns have bloomed and are thrown to the rubbish heap in three weeks. *Lilium speciosum* (*lancifolium*), *L. longiflorum*,



CARPET BEDDING AT WOODLAWN, NEW YORK CITY.

and *L. auratum* require from ten to twelve weeks; *Azalea mollis*, three to four weeks; and various spiræas about five weeks.

"Although it has been stated that the temperature of the air as it leaves the engine is about 90° below freezing point, it is severely modified in the chambers, where the degree of cold is nothing approaching to this. The temperature is regulated according to the experience that has been gained, but it may probably be found that there is more to learn in this particular, and continued trials will be made until the exact degree of cold needed by each plant has been determined. Then will be saved any waste of force in the manufacture of more cold than is necessary.

"Beyond the plants we have mentioned, no other species has been subjected by Mr. Rochford to this retarding process, but it would be very easy to name others that would be as amenable to the system as these. It should be remembered, however, that from the commercial point of view, it is not expedient to afford valuable space in these refrigerators to plants that it is known might be successfully retarded thereby, unless there is reason to believe also that it would pay to delay their flowering season."

A Carpet Bedding Advertisement.

A florist of New York City, Wm. Nilsson, of Woodlawn, has hit upon a good plan of attracting attention to his establishment, by means of carpet bedding designs. The place is close to the fashionable Woodlawn Cemetery, and, as will be seen from the accompanying illustration, the railroad tracks run alongside the lawn. About 200 passenger trains pass this point daily, and the designs, which have been a feature of the place for several years, have become an annual source of interest during the summer months to the numerous travelers who see them frequently.

The most attractive feature is a clock

which keeps accurate time. This bed is twelve feet in diameter with a border of *Echeveria secunda* (light green). *E. secunda glauca* (white) is used in center, with *Alternanthera paronychioides* (red) for the figures. The hands are of wood painted red, and connected with machinery—in the building thirty feet in the rear—which moves them correctly. This machinery was furnished by the Seth Thomas Clock Company, of Thomaston, Conn., at a cost of \$300, and Mr. Nilsson says it has repeatedly paid for itself in advertising.

The train shown in the illustration is on a slope two feet high, five and one-half feet wide and sixty-five feet long. The engine and cars are composed of *Echeveria secunda glauca*, with *E. secunda* and *Alternanthera paronychioides* for the windows. The flag in front is twenty-four feet long by sixteen feet wide. The stars are of *Echeveria secunda glauca* on a ground of pine cones painted blue. Six of the stripes are of the same *echeveria* and seven of *Alternanthera paronychioides*.

Mr. Nilsson retains interest in his bedding designs by showing something new and popular every season, the clock and the train being reproduced each year. In 1897, for instance, he had a design of the steamship *St. Louis*; in 1898 the battleship *Maine*; and in 1899 a rough rider on horseback and the yacht race cup. Our illustration shows the designs of the present year.

Experiences of Wholesale Rose Growing.

[Read before the Chicago Florists' Club by George Collins, foreman for Peter Reinberg.]

I was requested to write particularly about American Beauties grown in center benches only. Last year we planted a range of twelve houses in Beauties. The roses did well up to the end of November, and by that time the plants had grown up to the glass on the south side and also on the north side, and we had to spend considerable time in keeping them

tied away from the glass. When we syringed the plants, owing to the amount of foliage on them, the plants would not dry at night and then our troubles began. It was hard to keep away the black spot, so I thought it would be best to plant the center benches only, and I am well satisfied with the experiment. At the present time our plants are good and will have a heavy crop of flowers for the holidays.

In the two ranges that were built this year with the Garland gutter we have four benches in each house, and have planted the north and south benches with Brides and Bridesmaids, with Beauties in the two center benches. At the present time they are very good but we shall be able to tell later if the shade caused by the Beauties makes much difference to the north bench. In the summer I had the Beauties carefully watered, great care being taken not to water the soil between the rows. After they had been planted about one month we put on a mulch of well rotted manure which I think was an excellent plan to protect the soil from the sun. We have given them one top dressing of bone meal since then. Our plants are in excellent health and are producing lots of fine flowers with bright prospects for the future. After the holidays we shall give them some manure water.

Under what conditions can roses be grown with profit more than one year? The Brides and Bridesmaids can be grown the second year in the same soil. About the first of July we commence to withhold water, only syringing the plants every day. We continue this treatment for about six weeks; then we prune the tops and take out all the poor wood in the bottom and scrape off some of the soil, as much as possible, from the surface and then put on a top dressing of manure and soil mixed. After that we bend them all down and syringe twice a day. After the eyes commence to break the soil can be more freely watered till thoroughly soaked through.

We have some Golden Gates which we kept growing all the summer. This is a grand rose, it is so prolific. It must be shaded in summer, as it cannot endure the hot sun; the petals will burn. The two year-old roses are greatly benefited by manure watering every two weeks during the winter.

Cosmos Under Glass.

A few plants of cosmos were grown during the past season at the Agricultural Experiment Station, Geneva, N. Y., both in pots and in the garden. The latter were killed to the ground by the frost of October 2, before any buds opened. The seeds were sown under glass March 8, in small seed boxes and pricked into 2-inch pots March 28. As the pots became filled with roots the plants were shifted into 4, 6, 8 and finally into 12-inch pots. The plants intended for the garden were planted from 6-inch pots but those intended for forcing received the last shift into 12-inch pots, June 20. The soil used was three parts rotted sod to one part sand, no fertilizer being applied until the buds began to show, after which several applications of liquid manure were given. To make strong, bushy plants, all branches were kept cut back until the final shift was given. Early in June the pots were plunged into coal ashes in a cold frame, remaining there until September 10, at which time they were brought into the greenhouse.

A record was kept of the number of

ter, with stems three to five inches long; the pink and the white averaged three inches in diameter, many measuring three and one-half inches across, with stems four to eight inches long. On November 14, as the space was required for other plants, all buds were counted. The following table gives the results of blooming:

Variety.	First bloom	Blooms to Nov. 14	Buds Nov. 14	Total
Giant Fancy Pink	Oct. 10	660	171	831
Giant Fancy Red	Oct. 10	696	77	773
Giant Fancy White	Oct. 10	889	101	990

One objection to the plants is the space required. Nearly every specimen measured five feet by four feet. Yet in quantity of bloom and purity of color they are equaled by but few plants, and were it not for the chrysanthemums in bloom at this season they would find a ready sale at good prices. O. M. TAYLOR.

Begonia Gloire de Lorraine.

The accompanying illustrations of a house and single plant of this beautiful winter flowering begonia are from photographs taken at the establishment of Robert Craig & Son, Forty-ninth and Market streets, Philadelphia. The Messrs. Craig have been very successful with this plant, while with many growers it does not seem to do well. Here it is grown in almost full sunlight, with plenty of air. It is kept rather on the dry side and early in its growth is pinched back to get compact and bushy specimens. It is propagated by branch and leaf cuttings. Mr.

closely together. If grown compact and stocky with branches and leaves that hold up well, it will last in the dwelling for a long time if given ordinary care. K.

Chicago.

MARKET RATHER UNCERTAIN AND BEST GRADES THE ONLY SURE SELLER.—BEAUTIES AND VIOLETS SCARCE.—CHANCES OF SHORTAGE OF STOCK FOR CHRISTMAS.—ALL BED FLOWERS IN EXTRAORDINARY DEMAND.—BUYERS IN SEARCH OF EARLY QUOTATIONS.—PRINCE RETIRES FROM THE FIELD.—HUNT GETS THE STOCK.—VARIOUS JOTTINGS OF VARYING INTEREST.

The market this week has been rather better than heretofore but trade has gone by fits and starts, some days being quite busy and others very dull. At the same time the buyers have been playing favorites, some houses reporting better business than the average. But as a general rule it can be said that all first-class stock has sold out at good prices, while cheap and indifferent material has been difficult to get rid of even at forced sales. American Beauties have been the principal item of shortage and have held up strong to printed quotations. Fancy carnations are also hard to obtain in the brighter colors. Most of the violet growers seem to have met with misfortune this year and the daily receipts are infinitesimal as compared with the same period last year. The failure seems to be quite general and extends all the way around the lake from the Wisconsin territory to Grand Rapids. At the latter place one grower who has five houses of violets is not cutting enough to supply his local demand, and another grower with seven houses is shipping in virtually nothing at all. The largest stock of late chrysanthemums which has been supplying this market is now run out and the chances are that there will be very few of these flowers in the way at Christmas time. The consensus of opinion is that there will be a general shortage of supply for the holidays. It is predicted that American Beauties will be in such great demand as to make it quite impossible to fill all orders and advance quotations run up to \$12 and \$15 per dozen for the extra choice long-stemmed. Meteor and Liberty roses, too, will be hard to get and the growers are only booking orders at \$15 and \$18 per hundred for the best. Fancy carnations, particularly the bright colored sorts, are also expected to be a shortage and the dealers are exceedingly cautious in booking advance orders on them. The Christmas price lists just out are virtually reproductions of last year's lists, so that buyers may know what to expect. It is thought probable that there will be enough of the common grades of roses and carnations to about go the rounds at quoted prices. There has been a great deal of quoting on big advance orders, considerably more than usual.

A. G. Prince & Co. have given up their city salesroom at 78 Wabash avenue and Mr. Prince will hereafter devote his attention to the affairs of the Hinsdale Rose Co., at Hinsdale and Downers Grove, the product being now sold on consignment by E. H. Hunt. Mr. Hunt's business has been increasing quite rapidly of late and he is in a position to make very good use of these increased supplies. He is also in need of more room and, after the holiday rush, the partition wall which has heretofore separated the Hunt and Prince establishments will be removed, affording



BEGONIA GLOIRE DE LORRAINE IN 10-INCH PAN WITH BIRCH BARK COVER.

red, pink and white blooms cut from three average sized plants. The three colors came into bloom October 10 and from that date until November 14, the flowers were cut every three days. The Giant Fancy Red gave the smallest blooms, averaging two inches in diame-

Craig thinks that growers who fail, give it too much attention and kill it with kindness. All that it requires is a good, clean bench and plenty of light and air. It should not have too much pot room, but of course it must not be allowed to become pot bound or be crowded too



HOUSE 112 FEET LONG OF BEGONIA GLOIRE DE LORRAINE AT ROBERT CRAIG & SON'S, PHILADELPHIA.

largely increased facilities. The Henry Payne stock, of asparagus, adiantum and smilax, will also now go to Hunt's and will fit in nicely.

The perspicacious grower who prepared a stock of the Begonia Gloire de Lorraine is now reaping the rewards of his enterprise. There are so few of these novelties available here for Christmas that well flowered plants in 4-inch pots are wholesaling very rapidly at \$7.50 per dozen. Wherever this plant is tried here it is winning warm friends and everybody will want it next year. It is admirable for many varied purposes and has certainly come to stay.

The Chicago Florists' Club wishes to extend its thanks to the following contributors to the fund for the recent annual banquet: E. C. Amling, M. Barker, O. P. Bassett, O. J. Friedman, J. B. Deamud, James Hartshorne, E. H. Hunt, Kennicott Bros. Co., A. Lange, McKellar & Winterson, George Reinberg, Peter Reinberg, J. D. Thompson, J. C. Vaughan, Weiland & Risch, E. Wienhoeber, Wietor Bros., and a friend.

Bassett & Washburn report themselves very well pleased with the way the Liberty rose is doing with them. They recognize that they did not give it the best treatment early in the season but are so well satisfied with the results obtained by the methods recommended to them by Mr. Asmus, that they say they will plant the variety in increased quantity next year.

There seems to be rather less than the usual supply of poinsettias. This is always a popular Christmas subject and good cut poinsettias are wholesaling very rapidly at \$4 per dozen. Those which have been grown as pot plants are rather too "leggy," as a rule, to meet with great favor.

The shortage of bouquet green is becoming so pronounced that many other decorative materials are profiting largely thereby. Holly seems to be exceptionally good this year and in very brisk demand. Two specialties which the retail florists are using to good effect are mahonia leaves and the berried branches of Ilex Cassine.

Vaughan's Seed Store has taken in five "jumbo" cars of the "get there" brand of holly in the past eight days. This house is also receiving a ton of very choice Mexican mistletoe and making a fine show of box trees, Begonia Gloire de Lorraine and other holiday plants.

Weiland & Risch last week purchased two acres of additional land near their Evanston property and opposite the Glen View Golf Club. They contemplate building there some time in the future, possibly next season.

At the last Florists' Club meeting, aside from the reports of committees, there were papers on rose growing by George Collins and Paul Kopanka. W. N. Campbell was elected to membership.

Peter Reinberg has a big crop of Beauties coming on in the range of houses built last year and thinks that the Christmas crop will be the heaviest he was ever able to cut.

C. S. Stewart is no longer with Adolph H. Poehlmann, at 55 Wabash avenue, and Fred. Ewert, formerly with J. A. Budlong, is performing the duties of salesman there.

Peter Reinberg and party of friends have returned from Marion, Ill., where they spent ten days in hunting. They were very successful with quail and rabbits.

Kennicott Bros. Co. are to have Papa Gontier roses for Christmas. This is one of the specialties at Klehms' nursery.

H. W. S. Cleveland, who laid out and planted both Washington Park and Drexel boulevard, died at Hinsdale last week at the age of 86 years.

E. R. Tauch, who recently withdrew from the Harms Park Floral Company, is now employed by the Geo. Witthold Company.

The South Park Floral Company is sending Amling a big cut of long Beauties, their cut running now to the better grades.

McKellar & Winterson report an unprecedented demand for the various holiday specialties they are handling.

Wietor Brothers have hit it well with Meteor, that rose being one of the greatest scarcities at present.

C. W. Scott, of Vaughan's Seed Store, is confined to a local hospital with muscular rheumatism.

A. C. Kohlbrand, of Amling's, has been suffering with the grippe this week.

Visitors: John Schneider, Kansas City, Mo.; Geo. Souster and Mrs. Souster, Elgin, Ill.

New York.

MEETING OF THE CLUB.—THE ANNUAL ELECTION OF OFFICERS.—GRAND HORTICULTURAL EXHIBITION DECIDED UPON FOR OCTOBER OF NEXT YEAR.—OTHER DOINGS AT THE MEETING.—HEAVY RECEIPTS OF STOCK AND LITTLE BUSINESS ACTIVITY.—CARNATIONS EXTRA GOOD.—BLOOMING PLANTS IN EVIDENCE.—NOTES.

The New York Florists' Club, at its regular December meeting last Monday night, disposed of several important matters. One was the election of officers for 1901. The following is the list of the new incumbents: President, Walter F. Sheridan; vice-president, Alex. Wallace;

secretary, John Young; treasurer, C. B. Weathered; trustees for three years, W. H. Siebrecht, F. H. Traendly and W. W. Burnham. Appreciative remarks were made by each of these gentlemen in response to the applause which greeted the announcement of their election, all promising to work faithfully for the best interests of the organization during the coming year. The pledge thus given was by no means a light matter, for there is a big amount of hard work laid out for the coming season. Most important of all, and of far-reaching influence upon the club's future, was the decision to hold a big exhibition in Madison Square Garden next October. It is a number of years since anything of this kind has been attempted here with the exception of the fine horticultural display so successfully associated with the recent S. A. F. convention, and many of the most enterprising members have felt that the time had now come to make an effort to begin what is hoped to be a series of annual flower shows commensurate with New York's horticultural importance. Mr. Sheridan reported for the committee recently appointed to confer with the Madison Square people and the scheme as outlined was so fair and promising that after a brief discussion it was adopted almost unanimously. A committee to prepare a schedule was at once appointed, also a committee on ways and means to secure a guarantee fund for the premium list, which will probably amount to upwards of \$3,000. The date set for the exhibition is the week of October 21, 1901, and it is hoped to have schedules completed by March 1. A number of hold-over committees reported. The Dewey Arch committee was relieved of its duties amid much merriment. The resolutions complimentary to ex-President Plumb were handed in beautifully engrossed, and the Starin resolutions were read and accepted. The treasurer announced satisfactory progress in settling all financial matters connected with the convention, and also promised that the club medals awarded last August should be distributed to their owners before January 1, the delay having occurred at the mint in Philadelphia, where the medals are being struck off. Frank McMahon entertained the members with a brief account of the beautiful gardens he had seen on his recent European trip and J. B. Nugent told of the wonders he had been shown on a visit to Canada a few days ago.

The cut flower market this week is embarrassed with excessive receipts of Bride and Bridesmaid roses, which are necessarily disposed of in bulk at very low rates, some instances as low as \$10 per thousand having been recorded. Roman hyacinths are also doing poorly and have accumulated in wholesaler's hands although the quality is equal to the best ever seen in this market. Violets are slow, cypripediums ditto, but they, at least, will keep until conditions improve. Carnations average of the highest quality and sell more satisfactorily than most other flowers but it is a very quiet period now with all the retailers and there is not likely to be much activity in any line until Christmas. Heaths, poinsettias, azaleas, primroses, ardisias, oranges and solanums are plentiful in all the florists' windows.

Alfred Bunvard is at the Presbyterian Hospital, suffering with typhoid fever.

W. A. Manda is confined to his home, threatened with typhoid fever.

C. W. Ward has gone on a trip westward for two or three weeks.

W. H. Long is now located at Thorley's new Fifth avenue store.

Visitors; Robt. Craig and S. S. Pennock, Philadelphia.

Boston.

MARKET STIFFENS UP UNDER THE SPELL OF COOLER WEATHER.—PROSPECTS FOR CHRISTMAS.—ORCHIDS ARE SHOWN AT HORTICULTURAL HALL.—UNDESERVED CRITICISM OF A VERY GOOD PLANT.—AT THE CITY GREENHOUSES.—NOTES HERE AND THERE.

The cut flower market is strong this week and prices, while not advanced materially from recent quotations, are maintained much better and stock received at wholesale markets is disposed of to advantage. This is due, not so much to an increased business, early December being never a busy season, as to the scarcity occasioned by the decid-



WALTER F. SHERIDAN.
President-elect New York Florists' Club.

edly wintry weather that has been experienced during the past few days, which has given a healthy tone to the market and is therefore welcome even if it does deplete the coal bin. Christmas talk is already in the air but it is too early yet to foresee just where cut flower prices will locate at that time. Speculation as to abundance or scarcity of certain lines of stock is heard on all sides, but opinions vary widely and, again, much depends upon the weather.

The garden committee of the Massachusetts Horticultural Society has announced the following awards: Lowell prize for best house of chrysanthemums, to Mrs. A. W. Spencer, South Framingham; for house of lettuce, G. D. Moore, Arlington; house of cucumbers, Wm. Proctor, Fitchburg; house of carnations, M. A. Patten, Tewksbury; strawberry garden, also vegetable garden, W. H. Heustis, Belmont;inery, E. S. Converse, Malden; rose house, E. M. Wood & Co., Natick. Silver gilt medals are awarded to Col. Fred. Mason, Taunton, for vegetable garden; to Mrs. B. P. Cheney for chrysanthemums in pots, and to Col. Chas. Pfaff for chrysanthemums on benches. Other gratuities went to Dr. Fisher, Mr. Nevins, A. F. Estabrook, Edward Hatch, Lothrop & Higgins and Mrs. Cheney.

On Saturday, December 8, occurred the last exhibition of the year, at Horticultural Hall. Orchids were the special feature, H. A. Wheeler taking first prize in the classes for six, three and one specimen plant and Mrs. J. L. Gardner, second for three and for one specimen. *Laelias*, cypripediums, oncidiums and *Dendrobium formosum giganteum* were the principal sorts shown. W. J. Clemens exhibited a good *Oncidium tigrinum* and E. S. Converse a group of well grown poinsettias. The untidiness of the wooden boxes on which the orchids were elevated excited general unfavorable comment. Something better should be provided for such purposes. An alley-way florist would not decorate a fifth rate dance hall with such accessories.

We have been reading some undeserved criticisms recently of *Begonia Gloire de Lorraine*. That this plant is inclined to drop its flowers on removal to a living room, when properly grown, is not true. The writer had one in his dining room window last winter which was in full bloom when received from Mr. Edgar's greenhouse and continued for several months a thing of beauty, and there are numerous instances equally authentic in this vicinity. *Begonia Gloire de Lorraine* is one of the most satisfactory blooming plants for the house ever introduced, when grown in the right manner.

The Boston *Sunday Herald*, of December 2, devoted almost an entire page to illustrations and description of the city greenhouses and nursery on Massachusetts avenue, under the management of Superintendent Doogue. The area of glass in houses is given as over two-thirds of an acre and in frames about half an acre. A small nursery for trees and shrubs is also connected. The elaborate floral displays in the Public Garden and some of the city squares in the summer are supplied from this establishment.

Efforts on the part of local wholesale dealers to advance the price of American Beauties have been practically fruitless owing to the shipments of this rose from Philadelphia at rates lower than those prevailing here.

The annual reunion of the employes of the Joseph Breck & Sons Corporation was held at the American House on the evening of December 6. About 250 persons participated.

Oakes Ames has presented to the Massachusetts Horticultural Society a valuable collection of water color sketches of rare orchids which is to be added to from time to time.

George A. Sutherland has leased a very spacious establishment at 34 Hawley street, to which he will remove after it has been fitted up.

Michael Magee's houses and stock were damaged \$150 on the night of December 9 by a fire originating from an overheated furnace.

N. F. McCarthy has returned from an extended trip among the holly cutters in Virginia. He has some elegant stock on the way.

In town: G. W. Hilliard, Exeter, N. H.; J. N. May, Summit, N. J., and J. R. Fotheringham, Tarrytown, N. Y.

EXETER, N. H.—George W. Hilliard's American Beauty houses are in splendid condition this season and promise to equal their enviable record of last winter. Meteors, Brides and Bridesmaids are also good and Madame Chatenay is making a favorable impression. Liberty is nearly leafless and, up to date, has been very disappointing.

Philadelphia.

BUSINESS CONTINUES VERY GOOD AND STOCK HARD TO GET.—ALL ABOUT THE PRICES ASKED.—PROSPECTS FOR CHRISTMAS.—SCARCITY OF STOCK ASSURED.—PLANTS WILL HELP OUT.—SUPPLY MEN BUSY.—VARIOUS NOTES OF INTEREST.

Business is still booming and it takes a great deal of hustling to get stock for the orders. All rose crops seem to be light just at present. In fact everything seems to be scarce, violets particularly so. Teas are about the same price as last week; if anything a little softer, as \$8 will now buy the kind that were \$10 a week ago. Beauties are a little harder to get, mainly on account of an increased demand for the coming out teas, as most of the growers say their houses are doing well. Prices range from \$2 to \$6 per dozen. Carnations are creeping up; \$2 is now low for any kind of salable stock, with \$3 to \$4 for the fancies. Violets are very scarce and \$1.25 to \$1.50 is asked for good doubles, with \$1 for the southern and common kinds. Singles sell at from 50 cents to \$1 per hundred. Mignonette is scarce at \$2 to \$4 per hundred. Lily of the valley is also scarce; \$4 to \$5 is the price. Cattleyas are a bit easier to get at 50 cents each. Cypripediums bring 15 cents.

Charles W. Cox is gaining a reputation as a good grower of ferns. He does them well and in large quantities. At the February meeting of the Florists' Club he is to tell the members about the best varieties of ferns for commercial use, and why. This was announced as the special event for the January meeting but that was a misunderstanding of George C. Watson, the chairman of the essay committee, who got promptly called down by Mr. Cox the day after the meeting. The special event of the January meeting will be "Herbaceous Plants for Florists' Use," by Ernest Hemming, who is in charge of the herbaceous department at the Meehan nurseries and who will no doubt be able to give us considerable useful and interesting hints on that subject.

Some growers say that stock is going to be very scarce at Christmas. Storekeepers say that this is an annual statement, which emanates from the producers about December 15, and that for a matter of fact flowers do get scarce, very scarce, the week following, owing, it is said, to the weather, which, whether sunny or stormy, always seems to have a bad effect on buds and prevents their opening. All of this should be taken with a few grains of salt, which we will have to take anyhow when the belated stock arrives. As to the actual scarcity below the demands of the holiday season, we believe the flower growers are prepared for it, and should they fail, then the plant men will get their oar in and keep the craft from falling behind.

The florists' supply men are nearly worked to death, as one of them expressed it, getting their orders out. Both Bayersdorfer & Co. and Rice & Co. have been doing overtime for the past month, trying to catch up. It is almost worth giving an order just to see Bayersdorfer's team of stylish roans bringing it up to the door.

Christmas greens are appearing in quantity with the exception of ground pine, which at this writing seems to be almost out of the market. There will be plenty of good holly, mistletoe and laurel, but the lycodium will be greatly missed, as it has been largely used.

Joseph Heacock's new wagon is on the

street. "Only the best palms and roses grown by," etc., is the inscription on the sides, which about tells the truth, as Joseph certainly does deliver good stock.

H. H. Battles has bought the entire cut of the new rose Robert Scott for this season. K.

St. Louis.

TRADE BRISK AND STOCK IN FAIR SUPPLY.—MUCH FUNERAL WORK CALLS FOR WHITE.—RED ALSO IN DEMAND.—VARIOUS NOTES OF INTEREST.

Trade has picked up wonderfully within the last few weeks and everybody reports good sales at fair prices. It is thought that we will have plenty of stock for Christmas week. Roses are coming to the wholesale houses in large numbers and much of the cut, particularly Bridesmaids, is of excellent quality. White carnations are scarce because of the great amount of funeral work. American Beauties bring from \$4 to \$5 per dozen, there being quite a little extra demand for them. The last chrysanthemums are selling well. Bulbous stock is somewhat scarce, but what is coming in is very good; Roman hyacinths, narcissi and lily of the valley bring from \$4 to \$5 per hundred. Smilax is also scarce, selling at from 12½ cents to 15 cents a string.

The new addition to the Missouri Botanical Garden is finished as far as this year is concerned. This twenty-acre addition will be opened in 1903, the year of the World's Fair, and by that time a lover of shrubbery will not have to go far to be in his element.

J. J. Beneke was called to serve on the jury in the Probate Court on Monday, just at a time when he had a lot of funeral work in hand and a large decoration on for the evening. Several of his friends came to his rescue and helped him out.

Wm. Young & Sons are turning out some excellent made up plants, a large plant in the center of the pot or pan and smaller ones around it. They offer a great variety of these and are the first in this city to plant in this fashion.

Miss Theresa Badaracco reports her trade as very good. She is so close to the Castle Square Garden and its operas that she could hardly help but be in the swim.

We find the storemen working like good fellows to get their greens in shape. Bouquet green roping retails at 10 cents a yard. Holly is not yet seen in quantity. R. J. M.

Cleveland.

WINTER ARRIVES IN EARNEST AND TRADE PROSPECTS BRIGHTEN.—BUSINESS FAIR.—VARIOUS NOTES.

Winter weather is here at last in generous measure, both as to snow and low temperature, and it is to be supposed that business will take a sharp turn for the better in consequence, although on the whole there has not been much to complain of in that way for some little time. Trade has been nothing phenomenal, but stock has sold fairly well, more especially since the wane of chrysanthemums. Carnations have been the leaders in point of easy selling, good stock bringing from 2 cents to 3 cents and some fancy stock selling at 4 cents.

The outlook for the Christmas holidays seems about as in other years as to supply of stock, with the possible exception of carnations, which will hardly be in as heavy crop as during the holidays of last year. Those who are interested in lycodium report a shortage in sight which

may be difficult to overcome. Other greens will probably be sufficient.

Smith & Fetters have taken the store-room adjoining their present quarters and will occupy it during the winter season in addition to their old store, thereby doubling their accommodations. A.

Indianapolis.

MONTHLY MEETING OF THE CLUB PROVES A DISAPPOINTMENT.—VISITORS, BUSINESS AND OTHER MATTERS.

The December meeting of the Florists' Society was held at the residence of W. Langstaff. The evening was not a pleasant one, consequently only six members were present, which was a great disappointment to the host and hostess. A fine spread had been prepared for at least double the number. As the invitation had been accepted at the foregoing meeting, an apology is due them. As long as there is no way of telling whether two or twenty members will be present at our meetings, a permanent meeting place should be selected.

E. G. Hill, of Richmond, Ind.; J. A. Peterson, of Cincinnati, and Mr. Stover, of the Stover Floral Company, Grandville, Mich., were recent visitors to our city. Mr. Hill brought a magnificent bunch of his new rose, Marquise Litta. Mr. Stover has astonishing results with his Lady Campbell violets. Last year his average was \$1.25 per plant, which is more than double the amount that we consider a fair average in this neighborhood.

A. Pahud has bought two lots near the west entrance of Crown Hill Cemetery. An office and two greenhouses will be erected thereon in the near future and conducted as a branch to his establishment at the east entrance to the cemetery.

Business is still very slow. Thanksgiving made less of an impression than ever before and there is grumbling at the market as well as in the stores.

John Hartje has a valuable novelty in a yellow seedling chrysanthemum.

H. J.

Salt Lake City.

BUSINESS BRISK IN FAR AWAY UTAH.—LITTLE BUILDING REPORTED.—JEALOUSIES PREVAIL.—NOTES.

Trade has been fair for the past few months with all the dealers here but collections have been slow. The outlook is for a good Christmas trade, as the early demand for plants, flowers, holly, etc., is rather more than usual.

About the only extensive building which has been going on here lately is the addition to the range of Schwartz & Heinecke, who have been succeeded by a corporation called The Sugar House Floral and Seed Company.

V. V. Morris, who assumed the management of the B. C. Morris Floral Company upon his brother's death, reports that things are progressing favorably with them.

We have no club or other organization here for there is no spirit of sociability among the craft here. Instead there is a very great deal of jealousy of the kind which does the trade no good. W. M.

MANSFIELD, O.—G. W. Hunt & Son report a fine trade, particularly in chrysanthemums, both cut blooms and pot plants. They have a new covered wagon this fall, its first use having been to take out a big load of palms for Senator Sherman's funeral.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Adgate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent, 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

WRITE on only one side of the paper,
whether you are making out orders or
sending "copy" to the printer.

THE outlook is for considerable green-
house building next season, but less than
in either of the two preceding years.

THE National Florists' Board of Trade
is offering to members of the trade a lim-
ited amount of its preferred and common
stock at par.

EUROPEAN writers are of the opinion
that the fungus diseases of some plants,
wheat, for example, are perpetuated by
means of the seeds.

THE "nigger" is the name given to Carn-
ation Maceo in the west, and the gen-
tlemen who are growing it say the slave
trade is satisfactory.

GROWERS report that Witterstaetter's
carnation, Estelle, is thus far in the sea-
son outclassing G. H. Crane and America,
with which it comes in competition.

THE *National Glass Budget* predicts
that from now until July window glass
prices will remain stationary and that
they will then have an upward tendency
because of shortage of supply.

AN English court has sustained a horti-
cultural society in refusing to pay
premiums awarded to an exhibitor, it
having shown, subsequent to the award,
that a portion of the exhibits had not
been grown by the exhibitor as required
under the society's rules.

THE houseleek (*sempervivum*), says a
writer in the *English Garden*, is frequently
cultivated on the roofs of houses in
County Clare, Ireland, it being a common
superstition that the house upon which
it grows can not be destroyed by fire.
The plant is there known as the "man of
the house."

DECORATORS are finding *Begonia Gloire
de Lorraine* admirable for dinner table
use. It has been employed many times
since Mangel, the Chicago retailer, took
first prize with it in a competition in
which the choice of material lay with the
decorator and the judges were a com-
mittee of society ladies.

CHRYSANTHEMUM stock in England is
each year more largely propagated from
plants which have not been fed and
flowered inside but have had the sum-
mer's unstimulated growth in the open.
One trade grower is said to grow
30,000 stock plants in this way, trans-
ferring them to a cool house in the late
fall and propagating no stock except
from these plants.

Christmas Holly.

We'll deck our homes and firesides throughout
this goodly land,
But perpetuated holly is a thing we will not
stand.
—*Chicago Record*.

Calendars Received.

We are in receipt of calendars from the
following firms: W. A. Burpee & Co.,
Philadelphia, Pa.; E. A. Williams, Pitts-
burg, Pa.

Violet Runners.

ED. AM. FLORIST:—Should violet run-
ners be cut a way to secure the best results
when the stock is planted in the houses?
G. P. F.

The runners on violet plants should be
kept picked off systematically, all the
time, in order to make crown for bloom-
ing. One gets more and better bloom
from a plant from which the runners
have been taken just as one gets larger
and better chrysanthemum flowers by
disbudding.
GEO. F. CRABB.

Greenhouse Building.

Wilmington, Del.—W. H. Vance, two
houses.
Tiffin, O.—Lewis Ullrich, asparagus
house.
Milford, Mass.—B. D. Niles, one house.
Braintree, Mass.—J. G. Spear, one house.
Winchester, N. H.—W. F. Flint, house
18x50.
Plymouth, Mass.—E. D. Jordan con-
servatory.
Fishkill, N. Y.—S. G. Benjamin, one
house.
Atlantic Highlands, N. J.—Randolph
Martin, one house.
Trenton, N. J.—Chas. Wonderlin, one
house.

American Carnation Society.

The following carnations have been
registered by H. Weber & Son, Oakland,
Md.:

Norway.—Color pure white, a seedling
of Mrs. Fisher. Flowers two and one-
half to three and one-half inches in diam-
eter; stems long, strong and graceful;
delightfully fragrant and a good keeper
and shipper; splendid habit and of won-
derfully vigorous growth.

Egypt.—Color a rich, warm, scarlet
crimson; flowers averaging two and one-
half to three inches, with an exquisite
spicy odor and borne on stems two and
one-half to three feet long. A continuous
and free bloomer from November 1 to
November 15 and for the balance of the
season.
ALBERT M. HERR, Sec'y.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

H. Weber & Sons, Oakland, Md., regis-
ter new carnations as follows: Norway,
a seedling of Mrs. Fisher; color, pure
white; flowers two and one-half to three
and one-half inches in diameter; fragrant;
stems long and strong. Egypt, color
scarlet crimson; flowers uniformly two
and one-half to three inches in diameter;
fragrant; stems two and one-half to
three feet.

A. C. Zvolanek, Grand View, Somerset
county, N. J., registers sweet pea Miss
Florence E. Denzer, a white seedling
between Zvolanek's Christmas and Emily
Henderson; height four feet outdoors,
five and one-half feet under glass. A
continuous bloomer, especially adapted
for winter flowers; stems up to sixteen

inches long, usually bearing three flowers
each; foliage narrow and of a dark green
color.
WM. J. STEWART, Sec'y.

Forcing Daffodils.

ED. AM. FLORIST:—Will you kindly tell
me when to bring in my daffodils for
forcing for cut flowers? I planted the
narcissus bulbs in flats September 15,
and by December 1, with ten weeks in
which to make root, they were, many of
them, up to a half inch. This is a new
venture for me and I should like to get
the flowers to market as soon as possible.
How shall I proceed?
SUBSCRIBER.

The fore part of January is as early
as Holland-grown daffodil bulbs should
be brought into the houses, even though
they were planted in the middle of Sep-
tember. They should be kept in a tem-
perature of about 65° at night.
A. N. PIERSON.

Standard Chrysanthemums.

ED. AM. FLORIST:—What are the best
early chrysanthemums for standards—
white, yellow and pink—and when should
they be started?
D. G.

The best chrysanthemums, in my judg-
ment, to grow for early standards are
Enfant des Deux Mondes and *Snow
Queen* for white; *John K. Shaw* and *Mrs.
Ferrin* for pink, *Miss Georgiana Pitcher*
and *Mrs. T. L. Park* for yellow. We use
a great many other varieties for standards
by grafting, using a strong, tall grower
to get height and graft the top with any
dwarf sort. To have good standards
early in November cuttings should be
rooted at once and kept growing as fast
as possible. It is well to start many
more than are wanted, as many plants
throw a flower when in a 3-inch or 4-inch
pot and, of course, are then useless.
J. S. WILSON.

Too Many Horticultural Societies.

The *Gardeners' Chronicle* in a recent
editorial, after listing some eight English
societies devoted to the advancement of
special plants, discusses the question
whether this subdivision of work is wise,
and whether better results could not be
obtained by affiliating all of these vari-
ous societies with the Royal Horticultu-
ral Society.

The editor asks: "Do they contribute
anything proportionate to their means
and opportunities to the education of the
public and the gardener, or to the increase
of the general sum of knowledge? Is
there not a great risk by this specializing
of frittering away the advantages which
accrue from membership of a large
society****?"

All of this recalls most vividly the bit-
ter wrangle which occurred here a few
years ago over a like proposition. Some
of the wounds received at that time are
still unhealed. No one will doubt the
wisdom of affiliation, but can it be done,
or if done can it be so managed as not
to sacrifice interests of equal value to the
prospective gains?

The present close and friendly relations
of the American societies are gratifying
to nearly all of the members and it may
happen that in years to come the various
organizations may grow closer and closer
together until they become in effect, if not
in name, one body. The obtaining of a
national charter for the S. A. F. and O.
H. may set the current stronger in this
direction.

OBITUARY.

DAVID S. WRIGHT.

David S. Wright, the founder of the Dunkirk Seed Company, died at Dunkirk, N. Y., on the evening of November 23, aged 76 years. He was born at Cambridgeshire, England, in 1824, and came to America as a boy. After a number of years' experience at gardening and the seed business, in 1861 he started in business for himself, achieving a very considerable success. In 1888 he retired from active business, placing the concern in the hands of his sons, George W., Ruben W. and David S. Wright, Jr. Again this firm has been divided and there now exists the Lake Shore Seed Company, with Ruben W. and David S. Wright, Jr., as proprietors. Mr. Wright was a man of exemplary character and had played a prominent part in the business, political and social life of his community.

HORACE W. S. CLEVELAND.

Horace William Shaler Cleveland, who died at Hinsdale, Ill., on December 5, was one of those rare men who by comparison make most of their fellows seem as though made from coarse and common clay. Born at Lancaster, Mass., in 1814, he began the practice of landscape gardening at Salem in 1854, at first in partnership with Robert Morris Copeland. He lived at Danvers, Mass., for ten years and was subsequently employed at Tarrytown, N. Y., going thence to Prospect Park, Brooklyn, where he was associated with Frederick Law Olmsted. In March, 1869, Mr. Cleveland removed to Chicago and engaged in the practice of his profession, in partnership with Wm. M. R. French, present director of the Art Institute. For many years he was a well known and striking figure in the city. At one time it was his custom to wear a plaid shawl, in Highland fashion, and to carry a long-stemmed meerscham pipe, and as he strode along with head erect and firm and vigorous step he presented an appearance which caused his friends to dub him playfully "the burgo-master," a term which was both meant and felt by them to be a compliment. In 1886 Mr. Cleveland moved to Minneapolis, where he was employed upon the park system in that city until 1894, when he returned to Chicago to spend his declining days with his son Ralph. As a landscape gardener Mr. Cleveland was one of the foremost men in the country. He had charge of many important works, among which may be mentioned Washington Park, Chicago, and Drexel boulevard, which were arranged and planted from his designs and under his direction; Roger Williams Park, Providence, R. I.; the grounds, walks and drives about the Natural Bridge, Virginia; the grounds of the Jekyll Island Club, Brunswick, Ga.; Como Park, St. Paul; all the parks in Minneapolis and Omaha; Brookside, Indianapolis, Ind.; the grounds of the state capitols at Topeka, Kans., and Madison, Wis., and Sleepy Hollow Cemetery, Concord, Mass. Mr. Cleveland was for twelve years corresponding secretary of the New Jersey Horticultural Society, and was an honorary member of the Massachusetts Horticultural Society, of the American Park and Outdoor Art Association and several kindred organizations. He was a pleasing writer and published several volumes on horticultural and other topics.

Toronto.

BUSINESS IS VERY SATISFACTORY.—VIOLETS VERY SCARCE.—RED ROSES IN SHORT SUPPLY FOR CHRISTMAS.—CARNATION EXPERIENCES.—NOTES.

We are now in the midst of our usual winter's business, enjoying very cold weather and steady trade. Roses are much better than a week ago and sell readily at good prices. The best blooms of chrysanthemums have all been disposed of and, though a quantity of medium flowers are still on the market, they look as though they had been held too long. Violets are of good quality but very scarce and the price realized is the highest this city has ever paid at this season. I visited some of the large growers a few days ago and saw some good plants and quite a showing of buds, but it will take considerable sun to bring them in for the Christmas trade. Roses were looking well and a splendid crop is expected in teas but there will be a great shortage of Beauties and Liberty. Some of the older varieties of carnations are badly rusted but the newer varieties look exceptionally good and all, with the exception of Olympia, are very well liked. Olympia seems soft and many complaints are heard. Azaleas are now in season, Dunlop having shown them for the past week.

Tidy & Son have a new delivery wagon, rubber-tired and all that. Its only fault is that it runs by horse power instead of electricity. It should have been an automobile.

H. Y. D.

Catalogues and Cut Flower Price Lists Received.

Herb & Wulle, Naples, Italy, seeds; Henry Nungesser & Co., New York, N. Y., grass and clover seeds; Underfeed Stoker Co., Chicago, Ill., stokers; Kennicott Brothers Company, Chicago, Ill., wholesale cut flowers and florists' supplies; Vaughan's Seed Store, Chicago, Ill., and New York, N. Y., Christmas greens; Lothrop & Higgins, East Bridgewater, Mass., dahlias; C. C. Pollworth Co., Milwaukee, Wis., cut flowers; McKellar & Winterson, Chicago, Ill., cut flowers; E. C. Amling, Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., cut flowers, holiday greens and supplies; Holton & Hunkel Co., Milwaukee, Wis., cut flowers. The California Rose Co., Los Angeles, Cal., roses; R. W. King & Co., Montreal, Ont., boilers; C. G. Olie, Boskoop, Holland, plants and trees; F. G. Heinemann, Erfurt, Germany, seeds; Drege & Matthe, Pallanza, Italy, seeds; R. A. Lee, Evergreen, Ala., Christmas greens; Morris Floral Co., Morris, Ill., plants and cuttings; S. T. Danley, Macomb, Ill., rooted cuttings and plants; Albert M. Herr, Lancaster, Pa., rooted cuttings; Wm. F. Kasting, Buffalo, N. Y., special price list Christmas greens; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2320 South Park Ave., Chicago.

SITUATION WANTED—By rose grower and plantsman. South-west preferred. WESTRALIAN, care American Florist.

SITUATION WANTED—To learn. No board; small wages to start. Address ED. DRYFUSE, 640 Haddon Ave., Chicago.

SITUATION WANTED—By a practical florist and grower, as foreman, or would run place on shares. Address 53, care American Florist.

SITUATION WANTED—By an experienced gardener, single man. Reference given. NATHAN F. HADDOEN, 6 Albion St., Roxbury, Mass.

SITUATION WANTED—By young, all-around man, 7 years' experience; can give first-class reference. Would like place by January 1st. Address WISCONSIN, care American Florist.

SITUATION WANTED—By florist; 13 years' experience in private and commercial places; sober and well recommended; age 27. Address JOSEPH LINFOOT, Station K Cincinnati, O.

SITUATION WANTED—By florist and seedman of 20 years' experience in wholesale seed house, with firm where there is a chance to get on the road. Address W, care American Florist.

SITUATION WANTED—As second gardener or S assistant in commercial place, by industrious man; 16 years' experience. Good references. V S, care W. J. Stewart, 67 Bromfield St., Boston.

SITUATION WANTED—By a strictly sober florist, S single, German, age 26; 12 years' experience in Europe and America, in all branches; good propagator. Best references. C S, care Am. Florist.

SITUATION WANTED—By a lady of experience, S would like a situation in a retail greenhouse, or in a store where flowers are made up; can be useful in all branches pertaining to the business. Address LADY, care American Florist, Chicago.

SITUATION WANTED—As foreman by first-class S grower of roses, carnation, etc. Have been in charge of rose houses several years, in the largest establishments. Best references. Write, giving salary and all other particulars, to A B C, care American Florist, Chicago.

SITUATION WANTED—Single, handy, all-around S man wants full or assistant charge, commercial or private place; understands vegetable, fruit and landscape gardening; all kinds of tools and horse, cow or chickens. Expert decorator. Best references. Address W F, care American Florist.

WANTED—Good, single man for general greenhouse work. State references, etc. first letter. FREMONT GREENHOUSES, Fremont, Neb.

WANTED—Reliable, competent man. Fine roses, S mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Young man to work in greenhouses. Please state experience and wages wanted with or without board. C. L. VAN METER, Monticello, Ia.

WANTED—A competent, reliable florist for general S green house work. A steady position and good wages to a good man. Address ROSE LAWN GREENHOUSES, Ft. Scott, Kan.

WANTED—Experienced grower of cut flowers and S propagator. Must have good references and be steady and sober. German preferred. Also an assistant in greenhouse. A B, care Am. Florist.

WANTED—Working foreman, one who thoroughly S understands the growing of cut flowers and plants—particularly Am. Beauties, roses, mums, etc.—in an establishment of 65,000 square ft. of glass. Good position for competent man. Address PHILO, care American Florist.

FOR SALE—Greenhouse property, 35,000 ft. of glass, S well stocked with roses, carnations, smilax and bedding plants; steam heat, city water, best care to door; excellent shipping facilities; situated in Northern Ohio. A bargain if sold soon. If you mean business, address OHIO, care American Florist.

FOR SALE. Greenhouse establishment of S 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 6 of carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE. GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St.

NEW YORK.

Wholesale Store, Minneapolis, Minn.,

Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. **BRANT & NOE.**
Minneapolis, Minn.

Please mention the American Florist when writing.

CUT FLOWERS.

ROSES, CARNATIONS and CHRYSANTHEMUMS, regular or special supply. First-class stock at lowest wholesale prices.

W. H. CULLETT & SONS, Lincoln, Ill.

Wholesale Flower Markets

CINCINNATI, Dec. 13.

Roses, Beauty	10.00@50.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 8.00
" Perle	3.00@ 5.00
Carnations	1.50@ 4.00
Violets	.75@ 1.00
Lily of the valley	4.00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Asparagus	50.00
Galax leaves	.15
Roman hyacinths	3.00
Narcissus	3.00
Poinsettias	15.00@25.00

St. Louis, Dec. 13.

Roses, Bride, Bridemaid	4.00@ 8.00
" Beauty, 12 to 20 inch stems	12.50@25.00
" " long	25.00@50.00
" Perle	3.00@ 6.00
" Meteor	4.00@ 8.00
" Kaiserin	4.00@ 8.00
Carnations, common	1.50@ 2.00
" choice	2.50@ 3.00
Lily of the valley	4.00@ 5.00
Smilax	12.50@15.00
Adiantum	1.00@1.25
Galax	per 1000 1.00 .15
Violets	1.00@ 1.50

MILWAUKEE, Dec. 13.

Roses, Beauty, long, per doz.	3.00@ 4.00
" " med	1.50@ 2.00
" " short	.50@ .75
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	3.00@ 5.00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00@ 4.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Violets	1.50
Stevia	1.50@ 2.00

Pittsboro, Dec. 13.

Roses, Beauty, fancy	35.00@50.00
" " extra	20.00@30.00
" " No. 1	10.00@15.00
" " culls	4.00@ 6.00
" Bride, Bridesmaid	3.00@10.00
" Meteor	3.00@10.00
" Perle	3.00@ 6.00
" Cusin	4.00@ 6.00
" Liberty	3.00@10.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.50@ 3.00
Violets	.50@ 1.50
Paper White narcissus	2.00@ 3.10
Romans	1.00@ 3.00
Lily of the valley	2.00@ 5.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@75.00
" Sprengerii	.20@ .75
Galax, green and bronze per 1000	\$1.25
Dagger ferns	per 1000, 2.00
Chrysanthemums, fancy	20.00@25.00
" ordinary	10.00@15.00

DENVER, Dec. 12.

Roses, Beauty, select	12.50@30.00
" " ordinary	4.00@ 8.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 6.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.50@ 2.50
" fancy	3.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	.75@ 1.00
" double	.75@ 1.00
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Ferns, per 1000	2.50 .30
Chrysanthemums, long, per doz.	1.75@2.50
" short	6.00@10.00

WIETOR BROS.

51 Wabash Ave., CHICAGO.
WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Christmas Price List.

AMERICAN BEAUTY.

Extra long stem	per doz., \$12.00
30-in. stem	" 10.00
24 "	" 8.00
20 "	" 6.00
15 "	" 4.00
12 "	" 3.00
8 "	" 2.00

METEOR	per 100, \$12.00 to \$15.00
BRIDESMAID	" 12.00 to 15.00
BRIDE	" 12.00 to 15.00
PERLE	" 8.00 to 10.00
CARNATIONS, good	" 4.00
" Fancy	" 5.00

Quotations subject to change without notice. All other stock at lowest market prices.

FOR THE HOLIDAYS.

WE offer a complete line of the best grade of stock. Apply for prices current if your name is not on our list. Send your order EARLY to avoid being disappointed.

Bentley & Co., Wholesale Cut Flowers,
41 RANDOLPH STREET, CHICAGO.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

HOLTON & HUNKEL CO.,
-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Street,

ALL FLOWERS IN SEASON.

PITTSBURG, PA.

...GEO. M. KELLOGG...

Largest Grower of... Cut Flowers in the West.

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO

Our Store, 906 Grand Ave., KANSAS CITY, MO

LONG DISTANCE PHONE AT EITHER PLACE
Please mention the American Florist when writing.

JOHN B. FERGUSON,
Wholesale Florist,

NO. 6 DIAMOND MARKET SQUARE,
PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

Please mention the American Florist when writing.

WEILAND-AND-RISCH

We are large Growers and Shippers of CUT FLOWERS ALL THE NEW VARIETIES. YOUR BUSINESS SOLICITED.
59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

JNO. H. DUNLOP,
CHOICE Cut Flowers

All orders receive most careful attention.
TORONTO, ONT., CANADA.

Six prizes American Rose Society, New York City.

The indications are that there will be decided scarcity in many lines of

STOCK FOR CHRISTMAS

But at the same time we are preparing to give our customers the best holiday service they ever received. We want your order. We can fill it if anyone can.

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street, CHICAGO, ILL.

Long Distance Phone 1977 Central.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

CHRISTMAS PRICE LIST.

BEAUTIES		
Long stem.....	per doz.,	\$12 00
Stems 24 inches.....		\$9.00—10 00
" 20		8 00
" 15		6.00
" 12		4 00
Short stems.....		1.50—2 00
Brides and Maids	per 100,	12.00—15.00
Meteors		15.00—18.00
Perles		10 00—12.00
Roses, good seconds.....		6 00—8 00
Carnations, standard sorts		4 00
Fancy sorts		6.00—8 00
Callas.....	per dozen,	2.10—2.50
Romaus	per 100,	3.00—4.00
Paper White		4.00—5.00
Valley		4 00—5 00
Violets.....		2 00—3 00
Mignonette.....	per doz.,	.50—.60
Asparagus.....	per string,	.50—.75
Galax, green, 1000, \$1; 10,000 for \$7.50; per 100,		.15
" bronze, 1000, \$1.50; per 100,		.20
Ferns, per 1000, \$1.50.....	per 100	.20
Leucothoe sprays .....		.75
Adiantum .....		.75—1 00
"	per dozen,	1.50—2.00
Wild Smilax, parlor brand...per case,		3.25
"		4.25
"		5 50

J. B. DEAMUD,

51 Wabash Ave., Chicago.

WHOLESALE CUT FLOWERS.

CHRISTMAS PRICES.

	Per doz.	Per 100
American Beauties, long	\$10.00 to \$12.00	
"	6.00 to 8 00	
"	2.00 to 5 00	
Brides, Maids	\$12.00 to \$15 00	
Meteors, Kaiserins	12.00 to 15.00	
Perles	8.00 to 10.00	
Carnations, fancy	6.00 to 8.00	
"	3.00 to 5.00	
Violets	2.00 to 2.50	
Valley	4.00 to 5.00	
Galax	\$1.25 per 1000	.15
Fancy Ferns.....	1.50	.25
Adiantum.....	.75 to 1.00	
Chrysanthemums	\$20.00 to \$25.00	
Smilax	12.50	
Callas	12.50	
Narcissus	3 00 to 4 00	
Roman Hyacinths.....	3 00 to 4 00	
Stevia	2.00	
Wild Smilax, Caldwell's.		
Case No. 1, 15 lbs.....	\$2.00	
Case No. 2, 20 lbs.....	3.00	
Case No. 3, 25 lbs.....	3.50	
Case No. 4, 35 lbs.....	4.25	
Case No. 5, 40 lbs.....	5.00	
Case No. 6, 50 lbs.....	6 00	
Poinsettias.....	Per doz., \$3 00 to \$1.00	

P. and D. at cost.

WE SHALL HAVE A VERY FINE LOT OF CHRYSANTHEMUMS.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties. We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty..... WHOLESALE GROWER OF CUT FLOWERS. SEND FOR PRICE LIST.

Benthey & Co.

F. F. BENTHEY, Manager.

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited..... Please mention the American Florist when writing.

A. H. POEHLMANN,

Wholesale Grower of Cut Flowers

All telegraph and telephone orders given prompt attention.

55 Wabash Avenue, CHICAGO.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

CHICAGO, Dec. 14.	
Roses, Beauty, extra long stems	6.00
"	5.00
"	4.00
"	3 50
"	2.50
"	2.00
"	1.50
"	1.00@1.25
"	6.00@10.00
"	5.00@ 8.00
"	4 00@ 6.00
"	6.00@10.00
"	4.00@ 6.00
Carnations	2.00
"	3.00
Chrysanthemums, per doz.	2.00@4.00
Violets.....	1.50@ 3.00
Lily of the valley.....	5.00@ 6.00
Adiantum.....	.75@ 1.25
Common ferns.....	per 1,000 2.00
Smilax.....	per dozen 1.25@ 2.00
Asparagus.....	per dozen 7.50@10.00

Do not hide your light under a bushel. Tell the people what you have for sale.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

BUY BOSTON FLOWERS. THEY'RE ALL RIGHT.
 They ship well and they sell well.
GEO. A. SUTHERLAND,
 67 Bromfield St, BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.
WELCH BROS., PROPRIETORS.
 Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES.
 Block Letters, \$2 per 100. Script Letters, \$4 per 100. Acknowledged by all florists the best in use. Special prices for doz. lots.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade
 With Highest Grade
**ROSES, GARNATIONS,
 CHRYSANTHEMUMS,
 VIOLETS** and all flowers the
 Boston market affords.
 PRICES RIGHT AND PACKING PROPERLY DONE.
N. F. MCCARTHY & CO.,
 Tel. 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing.

Frank M. Ellis,
WHOLESALE FLORIST,
 1402 Pine Street, ST. LOUIS, MO.
 CONSIGNMENTS SOLICITED.

H.G. BERNING
Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.
 Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
 1122 PINE STREET,
ST. LOUIS, MO.
 A complete line of Wire Designs.

The Cincinnati
Cut Flower Co.,
 416 Walnut St., WHOLESALE FLORISTS.
 CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Snipping Orders.

Wholesale Flower Markets

BOSTON, Dec. 12.	
Roses, Beauty, extra	25.00@50.00
" " medium	12.00@20.00
" " culls	5.00@ 8.00
" Bride, Bridesmaid, Meteor	4.00@ 6.00
extra	3.00@15.00
Carnations	2.00@ 3.00
extra	3.00@ 4.00
Paper White narcissus, Roman	
hyacinths	2.00
Lily of the valley	2.00@ 4.00
Chrysanthemums	4.00@12.00
Violets	.75@ 1.25
Adiantum	.75@ 1.00
Smilax	8.00@12.00
Asparagus	50.00
" Sprengerii, .20@ .25 per bunch	
PHILADELPHIA, Dec. 12.	
Roses, Tea	2.00@ 4.00
" extra	6.00@10.00
" Beauty, extra	20.00@30.00
" firsts	8.00@15.00
Carnations	1.00@ 1.50
" fancy	2.00
Lily of the valley	3.00@ 5.00
Chrysanthemums	5.00@20.00
Violets, single	.25@ .75
" double	.50@ 1.00
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00
BUFFALO, Dec. 13.	
Roses, Beauty	10.00@50.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
" Kaiserii	6.00@ 7.00
Carnations	1.00@ 2.50
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Chrysanthemums	10.00@20.00
Violets	2.00

Woodroffe & Bernheimer,
Wholesale Florists
 1604 LUDLOW STREET,
 'Phone 1-42-69-A. PHILADELPHIA.
 Consignments Solicited.
 Please mention the American Florist when writing.

LEO. NIESSEN,
Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 LONG DISTANCE PHILADELPHIA, PA.
 PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-26 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will
 receive prompt attention.
 Consignments of good stock solicited.

GIVE US A TRIAL. WE CAN PLEASE YOU.



Open day and night.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist.
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

Try the New Flower Commission House

WATERBURY & CO.,

48 W. 30th St., NEW YORK CITY.

Correspondence with Growers Solicited.

I can dispose of the product of one more large Rose Grower to mutual advantage. Write now.

A. H. LANGJAHR, 19 Boerum Place, Brooklyn, N. Y.

TOP GRADE Carnations

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madleon Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.
TELEPHONE 2065 MADISON SQUARE.

JOHN YOUNG

Has the best BEAUTIES, CARNATIONS, VIOLETS AND VALLEY in New York.
TRY A SHIPMENT OR TWO. ✪
All Choice Flowers daily.
51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 551 Madison Square.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
NEW YORK.
Cul Flower Exchange.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. 119 and 121 W. 23d St., NEW YORK CITY.
Cut Flower Co.
TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.
Rose, Violet and Carnation Growers, Consign to
M. A. HART,
44 W. 29th St., NEW YORK CITY.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

WILLIAM GHORMLEY,
Wholesale Commission Florist,
Telephone 2200 Madison Square. 57 W. 28th. St., NEW YORK CITY.
....LIBERTY, BEAUTY AND OTHER CHOICE STOCK....
—BEST IN THE COUNTRY.—

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets
NEW YORK, Dec. 12.
Roses, Beauty, select.....20.00@50.00
" " medium.....8.00@15.00
" " culls.....3.00@ 5.00
" Bridesmaid, Bride, Meteor 2.00@ 4.00
" " select. 6.00@12.00
Carnations.....1.00@ 2.00
" fancy.....3.00@ 6.00
Lily of the valley.....3.00@ 4.00
Chrysanthemums.....6.00@12.00
Smilax.....10.00@12.00
Asparagus.....25.00@40.00
Sprengerii, per doz. bun. .75@1.00
Adiantum......50@ .75
Violets......75@ 1.00
" special.....1.50@ 2.00
Paper White narcissus.....1.50@ 2.00
Gardenias.....25.00@50.00
Cypripediums.....8.00@10.00
Mignonette.....4.00@ 6.00
Roman hyacinths.....1.00@ 1.50

Headquarters of the Hustler
CHAS. MILLANG,
WHOLESALE
Commission Florist
50 West 29th St., NEW YORK.
Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.
GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.
ALEX. J. GUTTMAN,
Wholesale Commission Florist,
52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733-18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
....Wholesale....
Commission Dealer In **Violets**
50 W. 29th St., NEW YORK.
Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.
....Wholesale Florists
111 West 30th Street, NEW YORK.
BIG FRAGRANT VIOLETS. 'Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,
Wholesale Commission Florist
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street, NEW YORK.
Telephone 1433 Madison Square.
Consignments Solicited.
Cut Flowers, all varieties and all grades,
at New York market rates
M. A. HART,
44 W. 29th St., NEW YORK CITY.

You Can Make Money By Dealing With **J. K. ALLEN,** The Busiest Wholesaler in New York.
Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.
Telephone 167 Mad. Sq. 106 West 28th Street.

Season Open **EDW. C. HORAN,** Special in
Violets 'Mums Gardenias CUT FLOWERS AT WHOLESALE. Roses:
47 WEST 28TH ST.,
Tel. 421 Madison Square,NEW YORK.
Liberty, Pres. Carnot Kaiserin, Meteor, Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD Wetherfield, Conn., Sec'y and Treas.

F. PERRY WATSON, of Australia, and recently in the seed business at Sacramento, is reported sailing from New York for England next week.

ALFRED EMERICH, who has been in this country for some weeks in the interest of Vilmorin-Andrieux & Co., Paris, France, sails from New York December 20.

AN action is about to be commenced to set aside the probate of the will of James M. Cleveland, the well known seedsman of Adams, N. Y., who was killed by a train in that village, August 10, 1899.

THE Nebraska Seed Co., Omaha, will shortly occupy the four-story structure known as the Garfield building, on Howard street, between Fifteenth and Sixteenth streets, which is now being remodeled for their use.

REGARDING Early Spring cabbage, a Long Island grower writes: "There is an increasing demand for this cabbage and it must therefore give satisfaction, but to me it does not seem to justify the claims made for it. I do not find it as early as the Wakefield, as some claim; in fact with me it shows about the same season of maturity as our second early sorts, Early Summer, and others of this class. It is a very good stock and heads well with us, and from the fact that the demand seems rather to increase I presume it has come to stay for a time at least."

Insurance Suit Goes Against S. F. Leonard.

The first of a number of cases against insurance companies resulting from a fire and explosion which destroyed a building at 139 and 141 West Lake street, November 1, 1899, was tried in the United States circuit court yesterday before Judge Kohlsaat. The plaintiff was Simeon F. Leonard, lessee of the building. The defendant was the American Central Insurance Company of St. Louis. The policy on which suit was brought provides for its nullification in case a loss is caused by an explosion not preceded by a fire. Mr. Leonard failed to show that the fire occurred first, and Judge Kohlsaat entered a verdict in favor of the defendant.—*The Chicago Record*, December 14.

The Government Seed Shop.

Burnet Landreth, secretary of the Wholesale Seedsmen's League, in a recent circular rightly says: "If the government established a seed shop and sold its seeds it would certainly be a most active competitor in the seed business, but it does worse—it gives them away. It has established a seed shop larger, with two or three exceptions, than any of the fifty or sixty large seed establishments in this country. It runs against them a most active competition."

"For years the seed trade has been the only business thus crushed down by the government, and the competition is annually getting worse, and can only have the one effect of driving some reputable dealers out of the business, and yet the government is now prepared to foster a specially selected business by dividing

up among the firms the sum of 10,000,000 of the government dollars annually (ship subsidy bill). The government takes care not to antagonize any other interest except the seed business, yet it might just as well present to the farmers' wives baking soda or soap, or to the coal miner powder or dynamite."

Japanese Longiflorum Exportations.

From July 20 to September 20, 1900, 20,111 cases of Liliun longiflorum were shipped from Yokohama to the following places:

	Cases.	Bulbs.
England.....	10,518	1,860,451
Germany.....	819	132,390
Denmark.....	492	46,721
Holland.....	542	75,069
Austria.....	4	560
United States to the following places:		
New York, N. Y.....	4,759	1,614,613
Philadelphia, Pa.....	808	180,149
Chicago, Ill.....	990	156,104
Pittsburg, Pa.....	76	7,581
Boston, Mass.....	371	119,789
San Francisco, Cal.....	231	64,668
Portland, Ore.....	7	1,500
Seattle, Wash.....	23	3,600
Tacoma, Wash.....	70	17,000
Canada.....	211	36,098

To Hong Kong, India, Australia and New Zealand there were shipped in all 277 cases containing 33,858 bulbs, making a total exportation from Japan of 20,111 cases containing 4,340,766 bulbs. At the time the report was made there were orders for October shipments of 175,000 bulbs for London and 30,000 bulbs for Hamburg. There were orders for 32,000 bulbs for shipment to Chicago in November so that the total exportations of Liliun longiflorum bulbs from Japan of the crop of 1900 will amount to 4,750,000 bulbs, according to *Moller's Gartner Zeitung*.

The above amounts probably contained some small lots of *L. auratum* and *L. speciosum*, but the great bulk were *L. longiflorum*. The correspondent predicts that the cultivation of *L. longiflorum* for next year will decrease considerably since a great many bulbs were left unsold in certain districts, which are now being sent to London auctioneers where the bulbs will probably be sold at slaughter prices. Until last year foreigners were not allowed to rent land outside of the foreign settlements in Japan.

Special Offer of FERNS and PALMS

- MAIDEN HAIR FERNS (*Cuneatum*) fine stock in 3-in. pots.....\$8 per 100; 4½-in. pots, \$10 per 100.
- ASPARGUS PLUMOSUS NANUS, fine thrifty plants, 3-in. pots.....\$1 per doz., \$7 per 100.
- ASPARGUS SPRENGERII, 3-in. pots.....\$6 per 100.
- PHENIX CANARIENSIS, 3 feet high.....\$3 each.
- PHENIX RECLINATA, 2 feet high.....\$1.50 each.
- CYCAS REVOLUTA (Sago).....50c, 75c and \$1 each.
- OTAHETE ORANGE, choice plants in 6-in. pots.....75c each.

JOHNSON & STOKES, Seedsmen, - - - 217-219 Market Street, PHILADELPHIA, PA.

1901 Specialties . . .

Asters Daybreak, Purity and Branching Comet....

Cabbage Novelty..

20th Century Earlier than the Wakefield, as solid as Danish Ballhead. Write for prices and description. Half-tone cuts for catalogue purposes.

JAMES VICKS' SONS, ROCHESTER, N. Y.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Sable, Alfalfa, Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

August Rölker & Sons

Asparagus Sprengeri (fresh seed), 1000 seeds for \$4. Cyclamen English Giants, 7 distinct named sorts. 100 seeds \$1; the collection for \$5 50. Raffia, 100 lbs. at 12½c.; 50 lbs. at 13½c.; 10 lbs. at 15c. net. Larger quantities on application. Lily of the Valley, forcing pips, select Hamburg, \$10 a 1000; high-class, \$12 a 1000. cash disc. 5 p. c. 52 Dey St., New York.

FREQUENT IMPORTATIONS OF BEST GRADE OF English Mushroom Spawn J. J. STYER, Concordville, Pa.

ESTABLISHED 1802

THORBURN'S SEEDS

SURPLUS AT REDUCED PRICES:

LILIUM LONGIFLORUM, JAPAN. 1000
6 to 8-inches.....\$24.00
7 to 9 ".....34.00

LILY OF THE VALLEY PIPS.
Largest and finest in the world, either Berlin or Hamburg..... 10.00
In case lots (3000 in a case)..... 9.00

J.M. THORBURN & CO.

(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

LILY OF THE VALLEY.

Just arrived. From Best European Grower.

BERLIN CROWNS, extra selected quality, \$10 per 1000; case of 2000, \$19.

HAMBURG CROWNS, first selected quality, \$9 per 1000; case of 2500, \$21.

JACKSON & PERKINS CO., Newark, New York.

LILIUM AURATUM.

Sizes 8-9 and 9-11 on hand. Prices on application.....

SUZUKI & IIDA, 11 Barclay St., New York.

American Florist Advt.

 Reach all the Trade.

W. ENNIGOTT BROS. Co.

42-44 E. Randolph St., CHICAGO, ILL.

Whatever you need in the cut flower line will be found here at Christmas, if it is to be had anywhere, and billed to you at market rates, the following quotations being subject to change without notice:

American Beauty will be more than scarce, also Meteor. But Klehm's Nursery promises a fine cut of fancy Gontier this year, good color and long stems.

We will do our best on all orders.

PRICES ON BEAUTIES:

Don't order Beauty unless you read these prices.

36-inch.....	\$12 00 to \$13.50 per dozen.
30 "	9 00 to 10 00 "
24 "	8 00 to 9 00 "
20 "	6 00 to 7 00 "
15 "	4.00 to 5 00 "
Short stock, 8 to 12-inch.....	2.00 to 3.00 "

Mahonia Leaves are the best selling green on the market for Xmas. You can order them from any wholesale firm; they can get them from us, \$1 per 100. We look for a fair supply of Stock for Christmas, but can't say that anything will be plentiful; so order early and have Stock reserved.

CHRISTMAS PRICES.

Gontier and Meteor.....	per 100, \$12.00—\$18 00	Valley.....	per 100, \$4 00—\$5.00
Maids.....	" 10.00— 15.00	Violets.....	" 2 00— 2.50
Brides.....	" 10 00— 15 00	Smilax.....	per doz., 1.50— 1.80
Perles.....	" 8 00— 12.00	Asparagus.....	per string, 65— .75
Roses, good seconds.....	" 8.00—	Adiantum.....	per 100, 1 00— 1 25
Carnations.....	" 3.00— 4 00	Common Ferns.....	per 100, 25c; per 1000, \$1.50
" fancy.....	" 5.00— 6.00	Leucothoe.....	per 100, \$1.00
" extra fancy.....	" 7 00—	Galax.....	per 100, 20c; per 1000, 1.50
Romans.....	" 3 00— 3.50	Mahonia Leaves.....	per 100, 1.00
Narcissus.....	" 3.00— 3.50	Chrysanthemums at market rates.	

A WORD TO THE GROWERS OF CARNATIONS.—We have sold the cut of IRENE, a pink carnation, and consider it one of the best commercial sorts we have ever handled. WE ARE NOW BOOKING ORDERS FOR CUTTINGS. Place your orders NOW. \$1.50 per dozen, 10.00 per 100, \$75.00 per 1000.

VEGETABLE PLANTS

CABBAGE—H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c per 100, \$1.00 per 1000, \$3.50 per 10,000.

LETTUCE—Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c per 100, \$1.00 per 1000, \$3.50 per 10,000.

PARSLEY—Good curled extra strong, 25c per 100, \$1.50 per 1000 (if wanted by mail add 10c per 100 on Cabbage and Lettuce, 25c per 100 on Parsley).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

FOR SALE, 20,000 two and three year old **APPLE TREES**, fine stock, \$50 per 1000. List vars. on application.

Adiantum Pubescens, 4-inch pot, \$5.00 per 100. Asparagus Sprengeri, 2½-inch pot, \$4.00 per 100. Fine plants, ready to ship.

Otto Schwill & Co., proprietors of Idelwild Greenhouse and Memphis nursery, 304 Front St., MEMPHIS, TENN.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Takes the place of Araucaria Excelsa; sells everywhere and everybody pleased with it: it is a money maker. Strong st. ok. from 2-in. pots, \$5.00 per 100; or send \$1.00 for a sample and you will soon want more. E. J. KAWLINGS, Quakertown, Pa.

Carnation Blooms.

65,000 PLANTS UNDER GLASS.

Why not buy your Carnation Blooms direct from grower and get good fresh stock. We have them in large quantities of all the leading commercial varieties, including G. H. Crane, White Cloud, Flora Hill, Mrs. Bradt, Eldorado, Madam Chapman, Maceo, Daybreak, McGowan and others. Also have 20,000 Violet Plants and picking large quantities daily. Write me your wants and get prices before you buy.

Address **CHAS. CHADWICK, Grand Rapids, Mich.** Lock Box 11.

Your Advertisement

will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in

The Best Drummer.

The American Florist.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE Beloit Nursery Co., Beloit, Wis., has the contract for the landscape work for the new Catholic Sisters' Hospital at Belvidere, Ill.

PELMULDER & WAYNE are now conducting the Grant City Nursery, Grant City, Ia., Jasper Wayne having succeeded to the interest of B. C. Butler.

J. W. GARRETT has succeeded to the interest of the senior partner in the firm of Dickey & Garrett, Scotland, Ind., and the nurseries will now be conducted by Garrett & Son.

Cincinnati.

MONTHLY EXHIBITION OF THE CLUB BRINGS OUT A FINE DISPLAY OF STOCK. — CARNATIONS ARE THE FEATURE. — PROSPECT OF SCARCITY OF STOCK FOR HOLIDAYS.

The exhibition at the club rooms on December 8, owing to the miserable weather, was poorly attended, although the flowers exhibited were even better than last year. The South Park Floral Company, New Castle, Ind., showed some excellent American Beauties, Brides and Bridesmaids. The latter were the best ever seen at any of our exhibitions and easily won first prize. They did not enter their Beauties for competition, but received honorable mention. W. K. Partridge, Lockland, Ohio, had Bride and Bridesmaid roses and White Cloud, G. H. Crane, Joost, Flora Hill and a vase of 100 blooms of mixed varieties of carnations. He received four first prizes for carnations and special mention for best general display. R. Witterstaetter won the Smith prize for the best fifty blooms pink with Enquirer and George & Allan's prize for the best seedling carnation with Elinor. H. Weber & Sons gave Elinor a close run with seedling No. 11, there being only a difference of one point in the scoring. The Evans prize for the best seedling carnation was also captured by Witterstaetter with a vase of Enquirer, which was easily the best vase of carnations in the room. White seedling No. 723 A. scored eighty-nine points. It is a very large flower on a good stem. George & Allan received first on Meteor and Perle roses. J. R. Goldman, Middletown, Ohio, showed some good Kaiserin, Bride and Bridesmaid roses. H. Weber & Sons showed seedling carnation Norway, white, which scored eighty-six points. Egypt, crimson, scored eighty-five and one-third. Mrs. E. T. Grave, Richmond, Ind., showed Dorothy, which scored eighty-six points, which entitles this variety to a certificate, it having scored eighty-six points here last March. The judges were Frank Ball, James Allan and Albert Sunderbruch.

About the only business of importance transacted at the club meeting in the evening after the exhibition was the election of John Evans, Richmond, Ind., Herbert Heller, New Castle, Ind., and Edwin Helfrich, Washington Court House, Ohio, to be members of the society. Visitors were John Evans, Herbert Heller, Edwin Helfrich and Mr. McHutchinson, of New York.

Dark, gloomy weather, with rain the latter part of the week, and little doing in society, does not help to swell the receipts of the florists. There have been

plenty of flowers to go around, of all kinds except fancy carnations and Beauties.

From present indications it seems as though this market will experience a shortage of roses and carnations at the holidays, such as we have not seen for the past ten years. D.

Aurora, Ill.

Business has been good this fall, Thanksgiving sales running at least twenty per cent ahead of last year. Chrysanthemums are practically out of the way, although a few will be with us at Christ-

mas. The prospect is for a good holiday trade and, while we expect to have enough roses for the demand, the carnation crop will be short with all the florists. In flowering plants primroses and cyclamens will be in good shape and at Smely's a lot of azaleas and poinsettias will be just right. Mr. Smely finds poinsettias good sellers and very profitable. Grown in 5-inch pots and up to large pans, good dwarf plants, well foliaged, bring good prices and are chosen in preference to azaleas. W. R. Rees, of R. Rees & Son, is now Superintendent of Water Works for the city. B.

REPORT OF THE JUDGES

Appointed by THE PHILA. FLORISTS' CLUB to judge our grand new ROSE,

Queen of Edgely, PINK..... AMERICAN BEAUTY.

"We are convinced that this variety is a valuable addition to the list of forcing roses, being in every respect, except color, the exact counterpart of the American Beauty. The color is a beautiful, bright pink, which is good, even in the full flowers. The fragrance is also as fine as that of Beauty, and the exhibited blooms showed remarkable vigor. (Signed),

ROBERT KIFT, WM. MUNRO, JOS. HEACOCK."

The last two named were winners of first prizes for American Beauties at the Rose Show, Eden Musee, March 27, 1900.

FOR TERMS AND BOOKLET, ADDRESS

R. CRAIG & SON, East Agts.,
49th and Market Sts., Phila.
E. G. HILL & CO., West Agts.,
Richmond, Ind

THE FLORAL EXCHANGE, Inc.
335 N., Sixth St.,
PHILADELPHIA, PA.

H. P. ROSES.

2-year-old stock now ready, in 15 best kinds.

Budded..... Per 100, \$11.00. Own Roots..... Per 100, \$13.00.

MRS. SHARMAN CRAWFORD..... } Strong, budded stock,
KAISERIN AUGUSTA VICTORIA..... } \$15 00 per 100.
MADAM CAROLINE TESTOUT..... }
AMERICAN BEAUTY..... }

CRIMSON RAMBLERS.

Own roots, well branched..... Per 100, \$15 00
2 year, budded, 3-4 feet, well branched..... " 15 00
3 year, budded, 4-5 feet, well branched..... " 18 00
3 year, O. R., 3-4 feet, well branched..... " 18 00
White, Pink and Yellow Ramblers, 2 year, strong..... " 15 00
HERMOSA ROSES, 3 year, Holland grown..... " 13 00
" " 2 year, French grown..... " 8 00

Hardy Azalea Amena, fine for Easter Forcing, 12-inch heads..... Per dozen \$3 00
Azalea Mollis, 15-20 buds..... " 4 00
Dautzia Hybrida Lemoinci, dormant, pot-grown, for forcing..... Per 100, \$20 00, " 3 00
Dautzia Gracilis, for forcing..... " 10 00, " 3 00
Hydrangea P. G., 3-4 feet, well branched..... " 10 00, " 10 00

PARSON'S RHODODENDRONS. Best named sorts for forcing.
bushy plants with 8 to 12 buds, in any color..... Each, 75 cts. " 8 00
Clematis Jackmanni and others, 2 year..... " 3 00

LILACS, pot-grown, for forcing, strong plants, 7-inch pots, 18-24 inches high, well branched and full of buds, in two sorts, Charles X, and Marie LeGray..... Each, 75 cts. " 7 50

BOX TREES.

Beautiful, Shapely Plants in fine condition.

Plants, bush form, 12-15 inches high, 6-7 inches in diameter..... Each. Dozen.
" " 26-28 " 12-14 " " \$.25 \$ 2 50
" " 3 feet high, 18-20 " " " .50 6 00
" " 4 " 24-30 " " " very fine..... 1.25 12 00
Pyramid shape, 3 " 12 15 inches at base..... 2 00 24 00
" 4 " 18-20 " " " " 3 00 24 00

Vaughan's Seed Store,

Greenhouses, Western Springs, Ill.

84-86 Randolph St., CHICAGO.

LIBERTY, four-inch, \$75.00 per 100. MAID, BRIDE, PERLE, SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHOTOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, 3-in., \$5.00 per 100; 3½-in., \$7.00; 4-in., \$8.00. GRAFTED BRIDE, \$20.00 per 100, 6-inch.

A. S. MACBEAN, LAKEWOOD, N. J.

McKellar & Winterson

Wholesale Dealers in Everything for Florists.

CUT FLOWER PRICES FOR XMAS.

To Take Effect Wednesday, December 19.

Our regular customers will be protected. Advance orders will be given preference. Prices quoted are for A1 stock. Ordinary and inferior grades according to value. All stock in season can be had from us on due notice. Excepting where quoted prices will govern all stock will be filled at market rates on day of shipment. Your order solicited.

Roses, Am. Beauties, select, per doz.,	\$12.00
" " medium, "	\$7.50 to 9.00
" " short, "	3.00 to 5.00
" Meteors, Liberty, per 100,	15.00 to 18.00
" Bridesmaid,	12.00 to 15.00
" Brides,	10.00 to 12.00
" Perles,	8.00 to 10.00
" Our selection,	8.00 to 10.00
" Good seconds,	8.00
Carnations, extra select, fancy, "	6.00 to 8.00
" extra select,	5.00
" our selection,	3.00 to 4.00
Chrysanthemums, ext. select per doz.,	4.00
" " good qual. "	2.50 to 3.00
" " fair quality "	2.00
Orchids, Cattleyas, select, per doz.,	9.00 to 10.00
" " Cypripediums, sel., "	2.50 to 3.00
" " assorted sprays, etc., per box	10.00 to 25.00
All Orchids very scarce.	
Violets, extra select, double, per 100,	2.00 to 3.00
" " single,	1.50 to 2.00
Valley, extra select,	5.00 to 6.00
Stevia,	2.00
Bouvardia,	3.00 to 5.00
Mignonette,	3.00 to 8.00
Marguerites, .....	.75 to 1.50
Paper Whites,	4.00
Romans,	4.00

DECORATIVE STOCK.

Ferns, Adiantum, per 100, \$.75 to \$1.25	
" " common fancy, .....	.25
" "	2.00
Ivy Leaves, fancy, per 100, 50c	4.00
Galax Leaves, fancy, " 15c	1.25
Leucothoe Sprays, " \$1.00	7.50
Smilax, extra select, per doz.,	2.00
" " choice ordinary,	1.25 to 1.50
Asparagus Plumosus, select strings, per doz.,	7.50 to 10.00
Asparagus Plumosus, sprays, per bunch, 50c to .75	
" Sprengerii, per doz, 25c to .50	
Wild Smilax, No. 1 contains 15 lbs., per case,	2.00
" " No. 2 " 20 lbs., " "	2.50
" " No. 3 " 25 lbs., " "	3.00
" " No. 4 " 35 lbs., " "	4.00
" " No. 5 " 40 lbs., " "	5.00
" " No. 6 " 50 lbs., " "	6.00

Prices subject to change without notice.

Poinsettias for Christmas.

Extra select, longest stems, largest flowers, per doz.	\$5.00
Extra select, fancy stock,	\$3.00 to 4.00
Good grade,	2.50
Extra select, fancy stock, per 100, 25.00	

Order now and secure finest stock at right prices. You cannot afford to be without Poinsettias for Christmas trade.

Prices subject to change without notice.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, FLORISTS
To Her Majesty,

ROYAL EXOTIC NURSERY,

TELEGRAMS, Onslow Crescent, South Kensington,
FLOSCULO, LONDON. LONDON, ENGLAND.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, Seed Crower,
Quedlinburg, Germany.

"We originate."
"Others imitate."

IMITATION is the most sincere flattery.

Florists' Auctioneers.

XMAS GOODS--ALL KINDS.

Send us your orders on all Christmas Supplies now. We are prepared to execute orders promptly. We guarantee our prices as low as any reputable house.

Select Delaware Holly, per case, \$ 4.50	
" " " " 5 cases, 20.00	
Southern Holly, per case, \$3.50; 5 cases, 15.00	
Bouquet Green, scarce. Write or telegraph for prices.	
Bouquet Green Wreathing, per 100 yds., \$4 to 5.00	
Holly Wreaths, Green Wreaths, Mistletoe, Wild Smilax, Xmas Trees, Needle Pines.	
Cape Flowers, white, per lb., \$1.00	
" " all colors, " 1.50	
Immortelles, yellow, per doz. bunches, 2.25	
" " all other colors, " 2.50	

Place orders early with us and receive the best stock in the market.

MISTLETOE.

We are strictly headquarters on Indian Territory best berried Mistletoe. We have immense stock.

PRICES

Per pound,	\$.25
5 pounds,	1.00
10 pounds,	1.80
25 pounds,	4.00

By Express only. Can supply on short notice.

All Telegraph, Telephone and Mail orders promptly executed.

Full stock of all Supplies, including Ribbons, Tin Foil, Toothpicks, Baskets, Wheat Sheaves, Bouquet Pins, Immortelles, Flower Vases, Jardinieres, Artificial Palms, etc.

SEND FOR COMPLETE CATALOGUE.

FLORISTS' RIBBONS

FOR CHRISTMAS TRADE.

Some of the colors we supply are: American Beauty, Bridesmaid, Meteor, Holly-Berry, Lavender, White, Cream, Purple, Green, Yellow, Orange, Lilac, Pink, Violet, Black, and all the different shades of leading colors. Send us your order now. You cannot duplicate this quality of Ribbons for less than 20% higher prices.

No. 2	No. 5	No. 7	No. 9	No. 12	No. 16	No. 22	No. 30	No. 40	No. 60
25c	45c	60c	75c	90c	\$1.10	\$1.30	\$1.65	\$1.75	\$2.00

The prices quoted are for ten-yard bolts.

McKELLAR & WINTERSON,

45-49-49 Wabash Ave.

CHICAGO, ILL.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

SEED Pansies PLANTS

The Jennings strain. Fine stock, choice varieties. Medium size plants, 60c per 10 by mail, \$1 per 1000 by express. Extra fine stocky plants in bud and bloom, \$1 per 100; \$10 per 1000. The above growing in cool greenhouses. Seed, \$1 per pkt., \$5 per oz. Cash with order.

E. B. JENNINGS, Grower of the Finest Pansies, Lock Box 254. Sou Hampton, Conn.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches;

OTAKSA,

PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At St. Louis.

Following is the score recorded December 10:

Player	1st	2d	3d	4th	Av
Ellison.....	140	139	201	196	169
Adels.....	105	170	185	187	162
Young.....	118	104	171	131	
Weber.....	112	135	135	137	127
Sanders.....	120	140	126	116	126
Ellis.....		112	102	107	
Winters.....		87	70	57	70

R. J. M.

At Denver.

The following is the record of the Denver Florists' Bowling Club for its first meeting on its new regulation alleys:

Player	1st	2d	3d	4th	Av
C. J. Thiess.....	130	151	146	161	147
G. Benson.....	138	108	148	135	133
Jno. Berry.....	111	124	153		129
Geo. Zimmer.....	146	110	112	132	125
Ben Bolt.....	111	119	112	143	121
C. Benson.....	134	108	83	144	117
J. A. Valentine.....		107	119	117	114
A. Manff.....		93	113	117	108

C. J. T.

At Chicago.

The Florists were done to a turn by the Illinois team on Monday evening, December 10, losing three games straight by a total of 240 points. Here is the whole story:

Florists	1st	2d	3d	Ttl
Geo. Stollery.....	177	152	203	532
Fred. Stollery.....	178	150	104	432
P. J. Hauswirth.....	125	153	135	413
E. F. Winerson.....	141	147	122	410
Chas. Balluff.....	1-2	159	137	448
Total.....	773	761	7	2235
Illinois.....	797	856	822	2475

At New York.

The following scores, made on the alleys last Monday afternoon, seem to indicate that New York is gradually evolving a team that will rank with the professionals:

Player	1st	2d	3d
Traendly.....	189	177	186
Roebbs.....	146	168	153
Hafner.....	169	167	168
Donaldson.....	209	165	159
Butterfield.....	128	144	133
Shaw.....	146	163	146
Laog.....	190	181	187
Burns.....	157	151	153
Loerscher.....	128	164	
Herrington.....	91	98	96
Manda.....	134	139	188

At Utica.

Last Monday was the banner night for our enthusiastic Capt. Baker, who rolled up the fine score of 233 in the fourth game. We wonder what has become of that quiet Syracuse florists' bowling club. We think perhaps they are laying up great scores for us in the future. Following is the score for December 10:

Player	1st	2d	3d	4th	5th	Av
Baker.....	161	170	143	233	185	176
Pfeiffer.....	158	128	132	162	156	147
Rowlands.....	124	143	158	146	153	139
Hildebrand.....	145	111	164	99		129
Day.....	139	144	107	122		128
Wilcox.....	106	110	129	145	109	120
Spencer.....	101	141	112	117	100	114

QUIS.

FON DU LAC, WIS.—E. Haentze is just recovering from a siege of sickness.

Pittsburg.

TRADE HAS BEEN GOOD FOR SOME WEEKS.—SOCIAL ACTIVITY BEGINS WITH THE CLOSE OF THE POLITICAL CAMPAIGN.—THE PARTICULAR CUSTOMER.—NOTES.

Ever since the first of November trade in Pittsburg and vicinity has been exceptionally good. Previous to that time, however, it was very much affected by the lack of interest in things social, because so many people remained away from home until after the election excitement. Debutante affairs have been quite numerous and enclre parties, for which small decorations were required, have been very popular in society. Trade during the past week has been very brisk all around, there being a good demand for chrysanthemums and good quality roses and violets. Roses and violets are rapidly improving in quality and chrysanthemums are now becoming scarce and poor, the late varieties dragging along in odd lots. There is a good demand for American Beauties, which are not any too plentiful but are fair in quality. Thanksgiving showed a reasonable increase in trade and that money was free; judging from this and the way orders are coming in the prospects for a brisk Christmas are very good.

These days before Christmas bring with them many amusing happenings. There is the well meaning maiden lady of unmentionable age and curls who desires

a nice box of flowers sent to a friend on Christmas, outside of the city limits, and who will not pay more than \$1. "Do, please, put some nice carnations in it and some roses and a small bunch of violets and one, only one, nice American Beauty in the box," all for \$1. On December 26 the florist who takes this order receives a call, early in the morning, when he is cleaning up his store after the rush, from a very irate maiden lady who endeavors to impress upon his tired mind that she was not at all pleased with the "flowers which were sent out for her. Let us be patient!

These are days, too, when we meet the man from "Five Points" or "Four Corners" with a wagon load of Pittsburg smoked laurel, a very good variety but rather heavy for nice work.

Fred. Burki has been turning out some very good chrysanthemums this season. Most of the stock was marketed early in the season. Mr. Blind and Mr. Koenig have also been producing some very good chrysanthemums during the season.

Pittsburg and Allegheny retailers are anxious for more stock of better quality than that now coming to hand.

RICHTER.

BALLSTON SPA, N. Y.—John Shaffer is contemplating retiring from business on account of ill health and will probably rent his establishment on East High street.

OPEN AT 6 A. M. EVERY DAY.

NEW YORK CUT FLOWER EXCHANGE

404-412 East 34th St., near the Ferry, NEW YORK CITY.

NO SHIPPING BUSINESS DONE.

GERANIUM AMERICA

A Queen Among Geraniums.

Color: From purest white to deepest rose. Dwarfness: "Just right." Floriferousness: Astonishing.

Strong Plants, \$8 per 100, 25 at 100 rate. Ready now. HENRY EICHHOLZ, Waynesboro, Pa.

Maples NORWAY. SUGAR.

From 1 to 3-inch caliper, also one-year seedlings. Write for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Rooted Cuttings Carnations.

My stock is exceptionally free from disease and first-class in every particular. Buy now and get the best.

	Per 100	Per 1000
Genevieve Lord.....	\$4.00	
Ethel Creeker.....	3.50	
Morello.....	2.00	
Bradt.....	2.50	
White Cloud.....	2.00	
Jubilee.....	1.75	\$15.00
Flora Hill.....	1.50	12.50
Wm. Scott.....	1.00	7.50
Tidal Wave.....	1.00	7.50
Wm. Crane.....	2.25	20.00

Above will be ready Dec. 20th. WANTED—Rex Begonias, Fuchsias, Boston Fern and Pteris tremula and young Rose stock, 3-inch. Will have rooted cuttings of all the leading Chrysanthemums later.

F. WM. HECKENKAMP, Jr., Florist, Sixth and Adams Sts., QUINCY, ILL. Please mention the American Florist when writing.

To Reach You In Time For Christmas Trade

YOU HAD BETTER ORDER YOUR DECORATIVE PLANTS AT ONCE.

Our stock is cool grown and the plants are low, compact and rich in color. It is all such stock as we can send to the most particular trade. We have done a very large business this season but as yet we are able to supply all sizes. Let us have your order today.



NEPHROLEPIS WITTBOLDII.

Strong Plants, ready for 3-inch and 4-inch pots, \$1.00 each; \$10.00 a dozen; \$75.00 per 100.

Kentias==Latanias

Varieties	Size Pot	Height Inches	No. Leaves	Per Each	Per Doz.	Per 100
Kentia Belmoreana	2 1/2	8 to 9	3 to 4	\$ 1.50	\$12.00	\$100.00
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15.00	150.00
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	30.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00	90.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	125.00
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00
Kentia Forsteriana	2 1/2	8 to 9	3 to 4	1.50	12.00	100.00
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15.00	150.00
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	60.00
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00	90.00
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	125.00
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00
Lantania Borbonica	2 1/2	8 to 9	3 to 4	.60	5.00	40.00
Lantania Borbonica	3	12 to 15	5 to 6	1.00	8.00	60.00
Lantania Borbonica	3 1/2	12 to 15	5 to 6	1.15	11.00	80.00
Lantania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00
Lantania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00
Lantania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00
Lantania Borbonica	6	extra strong		.75	9.00	75.00
Areca Lutescens	2 1/2	5 to 6	3 plants in pot		8.00	8.00
Areca Lutescens	3	12 to 14	"	"	2.00	15.00
Areca Lutescens	4	15 to 18	3	.25	3.00	25.00

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Serrulata	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Cyrtomium Falcatum	2-inch	.50	4.00
Cyrtomium Falcatum	3-inch	1.00	8.00
Cyrtomium Falcatum	4-inch	1.50	10.00
Cyrtomium Falcatum	5-inch	2.00	15.00
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

NEPHROLEPIS WITTBOLDII, strong plants, ready for 3 and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place, CHICAGO, ILL.

Please mention the American Florist when writing

GRAND OFFER, FINE PLANTS, NONE BETTER.

ARECA LUTESCENS.

Size pot.	Height.	Each.	Doz.
3-inch	12 inch	.20	\$2.00
4-inch	18 3 in pot	.30	3.50
5-inch	20 to 24	.60	
6-inch	24 to 30	1.00	
8-inch	36	2.50 to 3.00	

KENTIA BELMOREANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	12 inch	\$.20	\$ 2.00	\$12.00
4-inch	5 to 6	15	.50	5.50	
5-inch	6 to 7	18	.75	8.50	
6-inch	8 to 9	20	1.00	12.00	
6-inch	8 to 10	24	Fine bushy plants,	\$2.00 ea.	
6-inch	7 to 8	30	"	2.50 ea.	
6-inch	7 to 8	36 to 40	"	3.00 ea.	
7-inch	7 to 8	44 to 48	"	4.50 ea.	

KENTIA FORSTERIANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	9 to 10	\$.30	\$ 3.00	\$25.00
4-inch	4	15 to 18	.40	4.00	
6-inch	5	24	1.00	10.50	
6-inch	5	36	1.50	18.00	
6-inch	5 to 6	40	2.75	30.00	

LANTANIA BORBONICA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	5 to 6	12 inch	\$.25	\$ 1.50	\$12.00
4-inch	5 to 7	15 to 18	.25	3.00	20.00
6-inch	6 to 8	24 to 30	1.00	12.00	
6-inch	6 to 8	30	1.50	18.00	
6-inch	7 to 8	30	2.00	24.00	

COCOS WEDDELIANA.

Size pot.	Height.	Each.	Doz.	100
4-inch	12 to 14	\$.25	\$2.50	\$20.00

PANDANUS VEITCHII.

Size pot.	Each.	Doz.	100
5-inch	\$.75	\$ 9.00	
6-inch	1.00	12.00	

BOSTON FERNS.

Size pot.	Each.	Doz.	100
3-inch	\$.20	\$ 2.00	\$15.00
4-inch	.35	4.00	
5-inch	.40	4.50	
6-inch	.75	9.00	
7-inch	1.00	12.00	
8-inch	1.50	18.00	
9-inch	2.00	24.00	

FICUS ELASTICA.

Size pot.	Height.	Each.	Doz.
6-inch	24 to 30	\$.50	\$6.00
6-inch	24 to 30	.75	9.00
8-inch	48	1.50 to 2.00	

REX BECONIAS.

Size pot.	Each.	Doz.	100
3-inch	\$.10	\$1.20	\$10.00
4-inch	.15	1.75	12.00

ASPARACUS SPRENGERII.

Size pot.	Each.	Doz.	100
3-inch	\$.35	\$ 4.00	\$5.00
6-inch	1.00	12.00	25.00

DRACENA INDIVISA.

Size pot.	Each.	Doz.	100
5-inch	\$.35	\$ 4.00	\$25.00
Dracena Bruantii	1.50	18.00	
Dracena Massangeana	3.00	24.00	
Dracena Lindenii	1.50	18.00	
Dracena Terminalis	.50	6.00	
Small Ferns, Adiantum Cuneatum, 3-in. pot	\$6.00		
Mixed Ferns, 3-in. pots, \$6.00 per hundred.			
Cyprus Alternifolius, 3 in. pots, \$5.00 per hundred.			
Hydrangea Otaksa, 6-in. pots, \$10.00 per hundred.			
Extra fine, for Easter forcing.			
Jerusalem Cherry, nicely berried, 6-in. pots, bushy, 35c each.			

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

Please mention the American Florist when writing.

TO THE TRADE.

Messrs. A. G. Prince & Co. have closed their city salesroom, and hereafter the output of
The Hinsdale Rose Co.

— WILL BE SOLD BY —

E. H. HUNT, 76-78
 Wabash Ave.

SEND IN YOUR CHRISTMAS ORDERS

.....To **“The Old Reliable”**

WHERE THE BEST OF SERVICE IS AT YOUR COMMAND. * * * *

Heacock's Premium Palms

Certificate of Merit for Culture Pennsylvania Horticultural Society, March, 1900.
 Certificate of Merit for Culture Pennsylvania Horticultural Society, November, 1900.

**ONLY THE BEST, GROWN in the BEST MANNER.
 IMMENSE STOCK, free from INSECTS and
 DISEASE AND IN THE BEST
 POSSIBLE CONDITION.**

Send in your Christmas Order at once and avoid the rush and disappointment of late orders.

<u>ARECA LUTESCENS.</u>	3 plants, 6-in. pot, 24 to 28 inches.....	\$12.00 per doz; \$100.00 per 100.
	3 " 8 " 36 " FINE.....	\$3.00 each.
<u>COCOS WEDDELIANA.</u>	1 plant, 3-in. pot, 12-in. high.....	\$ 25.00 per 100.
	3 plants, 5 " 18 "	\$1 00 each; 100.00 "
<u>KENTIA BELMOREANA.</u>	4-in. pot, 5 to 6 leaves, 15-in. high	\$ 4.50 per doz., \$ 35.00 per 100.
	6 " 6 leaves, 24 "	15.00 " 125.00 "
	8 " 6 " 30 to 32-in. high	\$3 00 each.
<u>KENTIA FORSTERIANA.</u>	4-in. pot, 4 to 5 leaves, 15-in. high.....	\$4 50 per doz., \$35.00 per 100.
	6 " 5 " 24 to 28-in. high.....	\$1 00 each, \$12.00 per doz.
	6 " 5 to 6 " 30 in. high.....	1.25 " 15 00 "
	8 " 6 " 36 to 40-in. high.....	3 00 " 36.00 "

JOSEPH HEACOCK, Wyncote, Pa.

Vaughan's XXX XMAS HOLLY

WE HAVE MADE THE STANDARD.

Our Holly NOW ARRIVING is only six days from the woods and ten days from time of cutting. These last car loads have opened strictly choice and yet we give every case reinspection. We can practically guarantee you satisfaction on every order. We ask a fair price, yet Vaughan's XXX twice inspected grade is worth five times the small advance which we charge over commission or cut rate stock.

Our price is low, considering the pains we take with it and the price we pay our cutters. Our men have "passed up" over five cars of stock—rejected—which has gone to the commission houses.

Let us have your order and in time. "It gets there."

5 CASE LOTS, \$22.50.

Christmas Supplies.

We always carry a Good Stock of the Following at Right Prices:

Bouquet Green Wreathing
Mistletoe
Cape Flowers
Florida Moss

Fancy Holly Wreaths
Galax Leaves
Palmetto Leaves
Immortelles

Wild Smilax
Southern Needle Pines
Pampas Plumes
Rattan

✉ WRITE FOR SPECIAL HOLIDAY CIRCULAR.

Write or Wire **Vaughan's Seed Store**

CHICAGO OR NEW YORK.

STUDENTS RETURNING HOME

for holiday vacations can, upon presentation of proper credentials, obtain tickets via Nickel Plate Road, to all points in Central Passenger Association territory, at a fare and a third for the round trip. Tickets will be sold on day of closing school and on day immediately preceding closing date; good returning until date school reconvenes, but not later than January 8, 1901. For information as to train service to Ft. Wayne, Cleveland, Fostoria, Erie and other points, call on or address, John Y. Calahan, General Agent, 111 Adams St., Chicago. Passenger Station, Van Buren St. and Pacific Ave., on the Elevated Loop. 43

- Asparagus Sprengerii, 2½-inch \$2.50 per 100
 - 3 " " 4.00 per 100
 - Asparagus Plumosus, 2½-inch 5.00 per 100
 - 3 " " 6.00 per 100
 - Small Ferns, for dishes, 4 vars., 2½-in. 3.00 per 100
 - Carex Variegata, 2½-inch 4.00 per 100
 - Boston Ferns, 8-inch pans. \$15 and \$18 per doz.
 - 2½-inch 5.00 per 100
 - 3-inch 8.00 per 100
 - Nephrolepis Cordata Compacta, 6-inch 25.00 per 100
 - Geraniums—S. A. Nutt, Heteranthe, La P lot, rooted cuttings, \$18.00 per 1000. CASE, PLEASE.
- CARL HAGENBERGER, West Mentor, O.

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$4.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,

199 Grant Avenue, JERSEY CITY, N. J.

Beautiful Ferns

DAVALLIODES FURCANS, BOSTONIENSIS and WASHINGTONIENSIS, from 8-in. pots, with two to four feet long fronds, at \$1.00 each; \$10 per dozen. For other choice and rare plants, see my adv., page 508 of this paper, or write for a copy.

N. STUDER, ANACOSTIA, D. C.

500,000 VERBENAS.

60 finest named varieties, including our NEW MAMMOTH WHITE, "MRS. MCKINLEY." The finest white verbenas grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; \$5.00 per 1000. Plants, \$2.50 per 100; \$20 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

SPECIAL CASH SALE

- 2000 Chinese Primroses, 2-in. pots... Per 100, \$1.00
- 1000 Cineraria, 2-in pot " 2.00
- 1000 Asparagus Sprengerii..... " 2.00
- 100 Baby Primrose " 2.00
- 10,000 Geraniums, my selection " 3.00

JOS. H. CUNNINGHAM, Delaware, O.

Field-Grown VINGA VAR. VINES

Per 100
First size, from 4 to 6 long vines to plant..... \$4.00
Large size, " 7 to 10 " " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

THE Regan Printing House

NURSERY SEED CATALOGUES
FLORISTS

87-91 Plymouth Place,
CHICAGO

Milwaukee.

CREAM CITY DEALERS FIND TRADE GOOD.—THANKSGIVING BUSINESS UNEVENLY DISTRIBUTED.—EASTER LILIES IN.—VARIOUS ITEMS.

For the last six weeks large quantities of flowers have been sold. Beauties and violets were scarce, also Asparagus plumosus. Asparagus tenuissimus and A. Sprengerii of medium length have been plentiful. Asparagus decumbens and Begonia Gloire de Lorraine have made their appearance for table decorations. Ordinary roses and carnations have been plentiful. November was a good month and very little stock went to waste, but Thanksgiving trade was wanting. An unusual number of fashionable functions made some retailers quite busy but those who had no share in this business were slack. Harrisii lilies and Roman hyacinths are now in good supply. Good stevia is more popular than ever. Good poinsettias have brought 50 cents in wholesale market.

E. Haasch was the only one in this city enterprising enough this season to fix up his store and invite the public to a free flower show. His chrysanthemums, cyclamens and miscellaneous stock were good and attractive.

The papers have said considerable about the show of chrysanthemums at Mitchell Park but they were not a remarkably good lot. C. B. W.

QUINCY, ILL.—Joseph F. Kroner has bought out the business of Ernst Maag, at 2021 Spring street, where he proposes to erect a new rose house in the spring. He now has 3,500 feet of glass.

150,000 STOCK PLANTS and ROOTED CUTTINGS

Now ready for immediate delivery

At Popular Prices.

ROSES—Brides, Bridesmaids, Meteor, Perle, Kaiserin and Golden Gate. Big strong rooted cuttings \$1.50 per 100; \$12.50 per 1000. Any quantity from now on.

CARNATIONS—Strong healthy cuttings, well rooted, in any quantity, embracing the 25 choicest varieties in cultivation. See our list and prices.

GERANIUMS—Bruanti, Heteranthe, S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, Athlete, La Favorite, White Swan, Mrs. J. M. Garr, Mme. Jaulin, Frances Perkins and other varieties, strong 2 1/2-inch plants \$2.50 per 100; \$22.50 per 1000. Strong rooted cuttings of above, ready for 2 1/2-inch pots, \$1.50 per 100; \$15.00 per 1000. All kinds mixed, \$1.25 per 100; \$10.00 per 1000.

COLEUS—Our champion collection, embracing the newest sorts and only those of decided merit. All bright colors, clean and healthy. Strong plants, from 2 1/2-inch pots \$1.50 per 100. Strong rooted top cuttings, fine ones, ready for 2 1/2-inch pots, 75 cents per 100; \$6.00 per 1000.

VERBENAS—2-inch and 2 1/2-inch, strong, healthy plants green as grass, full of cuttings, \$2.00 per 100; \$18.50 per 1000. Rooted cuttings, big ones, as clean as a whistle, 60 cents per 100; \$5.00 per 1000.

PEONIAS—Double Fringed, Henderson's and Dreer's latest sorts, including also White Pawn, Mrs. Sander and Pink Perfection. Large rooted cuttings ready for 2 1/2-inch pots, \$1.25 per 100 by mail; \$10.00 per 1000 by express. Pure white only, \$1.50 per 100.

NEW AGERATUMS—Louise Bonnat, latest novelty in white, and Princess Pauline, latest blue, strong 2 1/2-inch, \$1.50 per 100; strong R. C., 60c per 100, (special). Stella Gurney, the grand novelty of 1900, and Snow Drift, the peerless white, strong 3-inch stock plants full of cuttings, 50c per dozen; \$3.00 per 100. Strong rooted cuttings 75c per 100.

ALTERNANTHERAS—bright red, variegated and yellow, 50c per 100, \$4.00 per 1000, (special for ten days).

NEW SALVIAS—St. Louis and Splendens, strong 2 1/2-inch, \$1.50 per 100; strong R. C., 75c per 100, (special).

MARGUERITES—New California Giant White and New Golden, strong 2 1/2-inch, \$2.00 per 100; strong R. C., \$1.00 per 100.

ASPARAGUS SPRENGERII—strong 2 1/2-in., ready for 3-inch, \$2.00 per 100, (special.)

CASH WITH ORDER.

South Side Floral Co., Springfield, Ill.

WEILAND-AND-RISCH

59 WABASH AVE., CHICAGO.

CARNATION CUTTINGS.

Mrs. T. W. Lawson	100	1000	Mrs. Frances Joost	100	1000
Marquis	\$7.00	\$60.00	Evanston	\$2.00	\$15.00
Genevieve Lord	6.00	50.00	White Cloud	2.00	15.00
Dorothy	8.00	75.00	Flora Hill	1.50	12.50
Irene	10.00	75.00	Gov. Griggs	2.00	17.50
Prosperity (666)	16.00	130.00	Triumph	1.50	12.50
Rossvelt	12.00	100.00	Melba	2.00	17.50
Ethel Crocker	4.00	35.00	Mary Wood	2.00	17.50
G. H. Crane	3.00	25.00	Gold Nngget	3.00	25.00
Mrs. Geo. M. Bradt	3.00	25.00	America	3.00	25.00

ROSE CUTTINGS.

Liberty	100	1000	Golden Gate	100	1000
Meteor	\$3.00	\$25.00	Kaiserin	\$2.50	\$20.00
Bride	1.50	12.50	Perle	1.50	12.50
Bridesmaid	1.50	12.50	La France	1.50	12.50

Florists ordering of us can rest assured of obtaining first-class stock, as we vouch for every cutting sent out.

WHOLESALE FLORISTS

DOROTHY GENEVIEVE LORD

Seedling pink Carnation. Scott color. Commercially the best of all Carnations yet introduced. Rooted Cuttings, \$10 per 100; \$75 per 1000. Also Rooted Cuttings of

\$6 00 per 100; \$50.00 per 1000. Orders booked now for rooted cuttings of above varieties.

E. T. GRAVE, Richmond, Ind.

PROSPERITY

Is the name of the superb CARNATION heretofore known as No. 666, to be disseminated March 1, 1901. For particulars apply to

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

Please mention the American Florist when writing

\$10

I will give the florist suggesting the best name for my new white Carnation 100 rooted cuttings of same, worth \$10. If two or more send the name I adopt, the prize will be divided.

Write at once. A. RASMUSSEN, New Albany, Ind.

Ethel Crocker

WHEN store men telegraph that they must have some Crocker for their customers, and commission men beg for consignments, in spite of the fact that there are plenty of other pinks on the market, it is a pretty sure sign that Crocker has some points of merit distinctive from the others and that there is an unfiled demand for the flowers. With the largest stock of this variety grown by any one grower in the country I can fill your orders with carefully selected cuttings, at

\$4 per 100 or \$30 per 1000. SEND FOR LIST OF OTHER VARIETIES.

ALBERT M. HERR LANCASTER, PA.

Orders booked now for

Ethel Crocker,

the best pink Carnation out. Rooted cuttings will be ready on and after Jan. 1st. Price, \$4 per 100; \$30 per 1000.

GEO. HARRER, Morton Grove, Ills.

Florists all over the country are quickly discerning the

Commercial Value of The Lawson Carnation.

The demand will be heavy this season. My stock is in excellent condition, clean and healthy. Rooted cuttings ready now, or for later delivery.

PRICE, Per 100.....\$7.00 Per 1000.....\$60.00

TERMS STRICTLY CASH from unknown parties. Send ALL ORDERS DIRECT TO

PETER FISHER, Ellis, Mass. No Agents.

Smilax Wanted

From 200 to 300 strings regularly each week. Want only the best and will pay best prices. Write to

FITZGERALD & HAMMOND, 113 West 30th St., NEW YORK.

THE BIG FOUR.

OUR INTRODUCTIONS OF NEW CARNATIONS
 FOR 1901.

Sunbeam: Extra bright flesh pink, early free and continuous bloomer. Flowers of good form and size, borne on long stiff stems. Per doz. Per 100 Per 1000
 \$1.50 \$10 \$75

Bon Homme Richard: White, extra-ordinary free bloomer; fine form, good size. Stems 2½ to 3 feet long. Per doz. Per 100 Per 1000
 \$1.50 \$10 \$75

Nydia: Variegated, salmon stripe on white ground. Quick seller, extremely free bloomer, fine form and stiff stem. Per doz. Per 100 Per 1000
 \$1.50 \$10 \$75

Prolifica: Cerise pink. Very long, stiff stems, large flowers, and as its name indicates, an extra free bloomer. First lot ready Feb. 1, of the above four vars. Per doz. Per 100 Per 1000
 \$1.50 \$10 \$75

OTHER VARIETIES.

	Per 100	Per 1000
Mrs. Thos. W. Lawson.....cerise pink.....	\$7.00	\$60.00
Olympia.....variegated.....	5.00	40.00
Marquis.....pink.....	5.00	40.00
Genevieve Lord.....".....	5.00	40.00
Ethel Crocker.....".....	4.00	35.00
Morning Glory.....light pink.....	4.00	35.00
Mrs. Geo. M. Bradt.....variegated.....	3.00	25.00
G. H. Crane.....scarlet.....	3.00	25.00
Chicago.....".....	3.00	25.00
America.....".....	3.00	25.00
Gold Nugget.....yellow.....	3.00	25.00
Gen. Maceo.....crimson.....	2.00	15.00
Gen. Gomez.....".....	2.00	15.00
White Cloud.....white.....	2.00	15.00
Mrs. Frances Joost.....pink.....	2.00	15.00
Mrs. Jas. Dean.....".....	2.00	15.00
Jubilee.....scarlet.....	2.00	15.00
John Young.....white.....	1.50	12.00
Flora Hill.....".....	1.50	12.00
Argyle.....cerise pink.....	1.50	12.00
Daybreak.....light pink.....	1.50	12.00
William Scott.....pink.....	1.00	8.00
Evelina.....white.....	1.00	8.00
Armazindy.....variegated.....	1.00	8.00

ROOTED CUTTINGS OF STANDARD VARIETIES
 READY JANUARY 1ST. WRITE FOR
 DESCRIPTIVE CATALOGUE.

CHICAGO CARNATION COMPANY - Joliet, Illinois.

Please mention American Florist when writing.

ROOTED CUTTINGS CARNATIONS.

	Per 100	Per 1000
CRANE.....	\$3.00	\$25.00
BRADT.....	2.50	20.00
EVANSTON.....	2.00	17.50
JOOST.....	1.50	12.50
WHITE CLOUD.....	1.50	12.50
FLORA HILL.....	1.50	12.50
DAYBREAK.....	1.50	12.50
TRIUMPH.....	1.50	12.50
ARMAZINDY.....	1.50	12.50
TIDAL WAVE.....	1.50	12.50
WM. SCOTT.....	1.00	8.00
MRS. LAWSON.....	6.00	
ETHEL CROCKER.....	6.00	
MARQUIS.....	5.00	
GENEVEVE LORD.....	5.00	
IRENE..... Per doz., \$1.50; 10.00		75.00

ROSES.

KAISERIN.....	\$1.50	\$12.50
LA FRANCE.....	1.50	12.50
METEOR.....	1.50	12.50
PERLE.....	1.50	12.50
BRIDE.....	1.50	12.50
BRIDESMAID.....	1.50	12.50
GOLDEN GATE.....	2.50	20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

XXX STOCK.

Cyclamen Persicum Splendens Giganteum, from 3-in. pots in bud, \$7.00 per 100, \$65.00 per 1000.

Geraniums, Dhl. Grant, Alphonse Riccard, John Doyle, Bruanti, B. Poitevine, Floire de France, Griffith, LaFavorite, S. A. Nutt, strong plants from 2½-in. pots, \$3.00 per 100, \$25.00 per 1000.

Begonia Rex, (rooted cuttings), in 15 standard varieties, labeled, \$2 per 100; mixed, \$1.50 per 100.

I solicit your patronage and guarantee satisfaction.

PAUL MADER, E. Stroudsburg, Pa.

Genevieve Lord, The greatest money getting pink Carnation ever introduced. A descendant of Wm. Scott, but it's superior in every way. A big claim; if you don't believe it, come and see it. Please note change in price of rooted cuttings for January 1st delivery and after; \$6 per 100; \$50 per 1000. Booking orders now. Delivery any time you say after January 1st, 1901. **CHRYSANTHEMUMS,** stock plants, new and old varieties. Write for prices.

H. WEBER & SONS, OAKLAND, MD.
 Please mention the American Florist when writing.

NEW CARNATIONS FOR 1901.

Lorna—(Dorner). Pure white, a decided improvement on White Cloud in size, habit stem, form, color and continuous blooming. \$10 per 100; \$75 per 1000.

Mermaid—(Dorner). Salmon pink, large flower, good color, early and extremely free. Stem a little weak after transplanting but improves quickly. A good summer bloomer in the field. \$6 per 100; \$50 per 1000.

Roosevelt—(Ward). Rich brilliant scarlet, shaded maroon. Early and free. The peer of all dark Carnations. \$12 per 100; \$100 per 1000.

Prosperity—(Dailedouze). White overlaid with pink. An exceptionally large Carnation. The winner of the Lawson Gold Medal in 1900. \$16 per 100; \$130 per 1000.

Irene—(Crabb & Hunter). Commercial pink Carnation. Free and continuous bloomer. \$10 per 100; \$75 per 1000.

Let us book your order now for the new varieties. Also for the 1900 Novelties—Crocker, Lawson, G. Lord, Marquis, Olympia and Peru.

F. Dorner & Sons Co. La Fayette, Indiana.

We make a specialty of rooted cuttings.

QUEEN LOUISE CARNATION

This new Carnation produces the finest flowers, is perfectly healthy and is the best white variety ever introduced.

IT BLOOMS EARLY — IT BLOOMS LATE — IT BLOOMS ALL THE TIME.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November. No other Carnation can stand such a test.

Price \$10 per 100, \$75 per 1000. Rooted Cuttings ready February 15th. Come and see it or send for circular.

J. L. DILLON, = Bloomsburg, Pa.

CARNATION PLANTS

ALL SOLD.

Ready to book your orders for Rooted Cuttings of all the leading varieties, for spring delivery. Let me quote you prices before placing your orders.

Wm. Murphy, Wholesale Carnation Grower, Sta. F, CINCINNATI, OHIO.

He Told The Truth when he said **ETHEL CROCKER** is absolutely the best pink Carnation ever offered. Without question this peerless variety is the best money maker in sight. How many do you want? Fine healthy rooted cuttings **NOW READY.** \$4.00 per 100, \$30.00 per 1000 for cash with order. **W. W. COLES, - Kokomo, Ind.**

Lincoln, Neb.

PERFORMANCES OF THE NEW CARNATIONS.
—ESTELLE THE BEST RED.—LIBERTY
DOES WELL.—TRADE VERY GOOD.—PROS-
PECTS BRIGHT.

Of the new carnations, Mrs. Lawson was short at first, but it is fine now, with lots of buds and new growth which gives promise of steady blooming. The flowers are fine in color and large. Crocker is a strong grower and fair bloomer, large, long-stemmed and bright, even pink. Genevieve Lord is a strong grower, not very free, but of good color. It reminds me of Grace Wilder very much, but it has a larger flower. The Marquis has made lots of grass but seems slow to throw buds and the flowers do not keep very well after being cut. Estelle did not make good growth in the field but has grown very fast inside and is the freest bloomer we have in red. We think very highly of it. In the older varieties White Cloud leads for a fancy white, with Kobinoor the best all-around white. This variety is the strongest grower and freest bloomer we have. The flowers are large, very fragrant and borne on long, stiff stems. America, Crane, Gomez, Maceo, Gold Nugget, Joost, Argyle and Pingree are all doing well. Several varieties were affected with stem-rot but we seem to have got the best of it now. The only new rose we tried was Liberty, growing it in a house with Brides and Bridesmaids. It has made good growth and produced flowers of fine color with good stems. We intend to plant more of it next year.

Trade has been very good lately. Thanksgiving trade was the best we ever had. Every one was cleaned out and there were hundreds of chrysanthemums sold for the foot ball game, Nebraska vs. Minnesota, which was played here. Stock is fine and promises to be so for Christmas. C. H. F.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1000
Gen. Gomez.....	\$2.00	\$18.00
Ethel Crocker.....	3.50	30.00
White Cloud.....	1.50	11.00
Flora Hill.....	1.25	10.00
William Scott.....	1.25	10.00
America.....	2.00	18.00
Melba.....	1.50	12.00
Glacier.....	1.50	12.00
Daybreak.....	1.50	12.00
Mrs. Bartlett.....	5.00	45.00
Mary Wood.....	2.00	18.00
Genevieve Lord.....	3.00	28.00
Morning Glory.....	5.00	45.00
Mrs. G. Bradt.....	2.50	22.00
Gen. Maceo.....	2.50	22.00
G. H. Crane.....	2.50	22.00
AGERATUMS, Cope's Pet.....	.50	
" Lady Isabel.....	.50	

CASH WITH ORDER.

H. E. MITTING, Mgr. Fort Dodge Greenhouse Co. FORT DODGE, IA.

Stock Plants

PRIZE....
WINNING Chrysanthemums

The very best to date

New Geraniums, best Bedding and Pot varieties. List of varieties and prices on application.

NATHAN SMITH & SON, Adrian, Mich.

GALAX LEAVES!

J. L. BANNER & CO., Montezuma, N. C.

Choice Green and Bronze Galax,

New Crop. Price 60c per 1000, postage prepaid. Small Orders a Specialty. Address

H. H. Hill, VICTORIA, Macon Co. N. C.

WHERE are you going to buy your Holly? Our stock is ready for shipment. Sample 10 pound box, \$1. Send for it. It's strictly fine. Caldwell The Woodman Co., Evergreen, Ala. P. S. We also sell some Wild Smilax.

HAVING SECURED

A Large Block of the Stock of the Sensational New Chrysanthemum

TIMOTHY EATON

We are now ready to book orders for it for Spring delivery. There is sure to be a big demand for it.

Everyone Will Want it. In order to insure earliest deliveries, ORDER AT ONCE.

Orders filled strictly in rotation as received, beginning April 1st., 1901.

50c each, \$5.00 per Dozen, \$30.00 per 100.

Last season we sent out

Col. D. Appleton,

WHICH HAS PROVED TO BE THE FINEST YELLOW CHRYSANTHEMUM EVER INTRODUCED.

We are now booking orders for this for spring delivery at \$8 per 100.

Let us book your order at once, while you have the matter in mind, for such quantity as you can use. Plants will be forwarded as soon as Spring propagations are ready.

F. R. PIERSON CO., Tarrytown-On-Hudson, N. Y.

New Crop

Are Now Ready for the Holiday Trade.

SPECIAL PRICES TO THE TRADE.

Write for prices to the Introducer

HARLAN P. KELSEY, Tremont Building, BOSTON, MASS.

Galax Leaves and Leucothoe Sprays

Choice Delaware Holly! \$3.50, \$3.50, \$3.50 PER CASE.

Special prices in large quantities. MISTLETOE, well berried, cheap.

WRITE OR TELEGRAPH.....

THE VAIL SEED CO., Indianapolis, Ind.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.
FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD, 38 WEST 28TH STREET, NEW YORK.

Mistletoe...

Every sprig berried. Limited quantity. Prompt shipment. Indian Territory stock. Prices right. Low special express rates. Wire your orders.

A. B. SILLIMAN & CO., Home Office, BOONE, IOWA.

MISTLETOE.

Guaranteed quality, fresh, well berried, \$3.50 per barrel, f. o. b. Guthrie. Low express rate. Order early.

FURROW BROS., Guthrie, Okla.

SELECTED WILD SMILAX, 50 lbs. net weight, \$2.00 per case; 30 lb. cases, net weight, \$1.50 per case. MAGNOLIA FOLIAGE, very fine in decorations, also in wreaths, same price as wild smilax. LEUCOTHOE SPRAYS, \$3.00 per 1000. HOLLY, extra fine, well-berried; cases 16 cubic ft., per case \$2.50. Per case of 7 cubic ft., \$1.75. LONG NEEDLE PINES, carefully selected, \$1.25 per dozen. Cash with order from unknown correspondents.

EVERGREEN FLORAL CO., EVERGREEN, ALA.

GALAX LEAVES

Red and green Galax, 45c per 1000.

Leucothoe Sprays, \$2.50 PER 1000.

Cash with first order. Seven years' experience. Special price to wholesalers.

J. N. PRITCHARD, Elk Park, N. C.

Crimson Rambler Roses

with fibrous roots, just the kind for forcing.

\$12.00 per 100. Large size, \$15.00.

The CONARD & JONES COMPANY, West Grove, Pa.

Coleus.

A nice lot of Golden Bedder, Yellow Queen, Verschaffeltii, and mixed, rooted cuttings, ready in ten days. Send in your order early.

GEO. A. KUHL, PEKIN, ILL.

New Haven, Conn.

THANKSGIVING THE BEST ON RECORD.— ALL FLOWERS NOW SCARCE.—PRICES.— PROSPECTS FOR CHRISTMAS.—NOTES.

There has been very little change in business during the last two weeks except that flowers of all kinds are scarce. Thanksgiving was better than last year, everything selling well. Roses have taken a jump in price and are now worth anywhere from \$1.50 to \$3 for Brides and Bridesmaids and \$4 to \$10 for Beauties. Carnations sell for 35 cents to 50 cents per dozen. Violets find ready sale at from \$2 to \$2 50 per hundred. Flowering plants are coming in very slowly. Primroses and cyclamens are the only varieties seen, excepting a few very fine Begonia Gloire de Lorraine which have to fetch \$1 to \$1 50 each. Christmas trade promises to be very good, some large church orders having already been placed. Holly is on sale in most of the stores, very well berried, much better than last year's stock.

John A. Long, of East Haven, is building one new house for bedding plants, 20x125. His carnations are the best seen, such fancy sorts as Bradt and Maceo.

Recent visitors: Robert Greenlaw, Boston; Paul Berkowitz, Philadelphia; S. E. Banks, Westport, Conn. G H.

WARSAW, IND.—H. D. Seele has completed a modern greenhouse on what is known as the Wallace property at the corner of Center and Detroit streets.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/2-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early From

Money Order Office, **EDWIN LONSDALE,** Sta H. Philadelphia, Wyndmoor, (Near Phila.), Pa.

N B. We have not changed our location, but the P O authorities have changed our P. O. facilities.

Latania Palm Plants

Pots.	Plants to pot	Leaves	Per doz.
6-in.	1 20 to 22-in. high	6 and 7	\$ 6 00
6-in.	2 20 to 22 "	10	9 00
6-in.	3 20 to 22 "	12 to 14	12 00
7-in.	1 2 ft. ht. & diam.	7 to 8	12 00
7-in.	2 2 "	10 to 12	15 00
7-in.	3 2 "	12 to 16	18 00
8-in.	1 2 1/2 "	8 to 9	18 00
8-in.	2 2 1/2 "	15	20 00
8-in.	3 2 1/2 "	18 to 20	24 00

Ficus Elastica, 6-in. pots, 2 1/2 ft. high, 16 to 20 leaves, \$9.00 per doz., \$65.00 per 100.

Pandanus Veitchii and Croton Plants, prices on application.

J. WM. COLFLESH, 53d & Woodlawn, W. Phila, Pa.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.

Asparagus Sprengeri—Strong 3 1/2-in., \$6.00 per 100.

New Rose Snowflake—The Daisy Rose, \$10 per 100.

New Lace Fern—Froods last a month, \$6.00 per 100.

New Russelia Multiflora—2 1/2-in. high, \$4.00 per 100.

50 New Plants not to be Had Elsewhere.

Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$20.

Cannas, Dahlias, and all summer blooming bulbs.

Electros and Cuts for Florists and Seedsmen.

A. BLANC, PHILADELPHIA, PA.

ROSES

CRIMSON RAMBLER, extra strong.....\$12.00 per 100.
HYBRID PERPETUAL, in fine assortment.....\$10.00 per 100, \$90.00 per 1000.
HYBRID PERPETUAL, in fine assortment, 2d size..... 6.00 " 50 00 "
These are well rooted, good stock, but not quite heavy enough to go into first grade.

AZALEAS

Stock in excellent shape, well set with buds.
10 to 12-inch crowns.....\$35 00 per 100 12 to 14-inch crowns.....\$45 00 per 100

SPIRAEAS

JAPONICA.....\$3.50 per 100 ASTILBOIDES FLORIBUNDA \$4.00 per 100
NANA COMPACTA.....\$5.00 per 100

PALMS

KENTIA BELMOREANA, 2 1/2-inch pots.....\$8.00 per 100, \$75 00 per 1000
KENTIA BELMOREANA, 3-inch pots, 4 and 5 leaves.....\$15.00 per 100
KENTIA BELMOREANA, 4 inch pots, 14 to 16 inches high..... 30.00 "
KENTIA BELMOREANA, 5-inch pots, 18 inches high..... 60.00 "
KENTIA BELMOREANA, 5 and 6-inch pots, 18 to 22 inches high..... 75.00 "
KENTIA FORSTERIANA, 2 1/2-inch pots..... 10.00 "
KENTIA FORSTERIANA, 3-inch pots, 12 inches high..... 15 00 "
KENTIA FORSTERIANA, 4-inch pots, 15 to 18 inches high..... 35.00 "
KENTIA FORSTERIANA, 5-inch pots, 18 to 22 inches high..... 50.00 "
KENTIA FORSTERIANA, 5 and 6 inch pots, 24 to 28 inches high..... 75.00 "
ARECA LUTESCENS, 2 1/2-inch pots.....\$6.00 per 100, \$50.00 per 1000

ASPARAGUS

PLUMOSUS NANUS, 2 1/2-in. pots...\$ 5 00 per 100 SPRENGERII, 2 1/2-in. pots.....\$3.00 per 100
PLUMOSUS NANUS, 3-in. pots..... 6.00 " SPRENGERII, 3-in. pots..... 5.00 "
PLUMOSUS NANUS, 4-in. pots..... 12.00 " SPRENGERII, 4-in. pots..... 8.00 "

BOSTON FERNS

Strong 2-inch pots.....\$3.00 per 100, \$25.00 per 1000

THE STORRS & HARRISON CO., Painesville, O.

Ball's Palms, &c.

CHOICE HARDY STOCK, EXTRA STRONG.

Areca Lutescens, several plants, 4-inch, @ 25c; 6-in. @ 50c and 75c; 8-in. @ \$1.50; 10-in. @ \$4 00 and \$5.00. Large specimens, 14-in. and 16-in. @ \$17.50 to \$35.00.

Latania Borbonica, 4-in. @ 25c; 6-in. @ 50c and 75c. Made up, 3 plants together, large and showy, 6-in. @ 75c; 8-in @ \$1.

Kentia Forsteriana, 3-in. @ 20c and 25c; 4-in. @ 40c and 50c.

Kentia Belmoreana, 3 in. @ 20c and 25c; 4-in. @ 40c and 50c; 5-in. @ 75c; 6-in. @ \$1.00 and \$1 25; 8-in. @ \$2.00.

Livistona Rotundifolia, strong, 4-in. @ 47c; 5-in @ 75c.

Pandanus Veitchii, 6-in. @ \$1.00; 8 in. @ \$2.00.

Ficus Elastica, Araucaria Excelsa, Draecæna Terminalis, etc., etc.

CHAS. D. BALL,

HOLMESBURG, PHILA., PA.

Price Lists*

Boston Ferns.

TRUE TO NAME.

Small plants from bench.....\$ 1.00 per 100
7,000 2-inch..... 2.00 "

4,000 3-inch..... 4.00 "

*Let us grow your large Ferns for next summer and fall delivery. Our prices are surprisingly low. Write us.

DAVIS BROS., Morrison, Ill.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL.
(N. Halsted St.)

300 RUBBER PLANTS,
4000 BOSTON FERNS, ALL SIZES

AND Davallioides Furcans.

Ageratum Stella Gurney.

Write for Prices.

CAPITOL GREENHOUSES, Springfield, Illinois.
LOUIS UNVERZAGT, Proprietor.

You want a few fine 5, 6 and 7-inch

BOSTON FERNS

for your holiday trade; we have them. Also in 4, 3 and 2 1/2-inch. Write for prices. Send us your orders. Will guarantee satisfaction.

Geo. A. Kuhl, Pekin, Ill.

DAISIES,

hardy, large plants, Snowball, Longfellow, 40c per 100; \$2.50 per 1000.

FORGET-ME-NOT, fine clumps, 75c per 100; \$5.00 per 1000.

MIGNONETTE (Allen's Defiance), large plants out of 2 1/2-inch \$2.50 per 100.

J. C. Schmidt, Bristol, Pa.

FOR SALE.

SMILAX, from flats.....30c per 100; \$2.50 per 1000

" " 2-inch pots.....\$1.00 per 100

100 MIGNONETTE plants (Allen's Defiance), mostly in bud.....3c each; \$2.50 per 100

CYPERUS GRACILIS, 4-inch.....75c per doz.

TOMATO PLANTS, pot-grown, Beauty and Lorraine, ready Jan. 1st, 1901.

MRS. GRISWOLD, Worthington, O.

SUCCESSFUL SELLERS

are the successful growers who advertise in

Are You Bothered with - - GREEN FLY
 Is Your Greenhouse full of - - MEALY BUG
 Is Your House a favorite spot for - - THRIPS
 Are Your Choicest Plants Overrun with RED SPIDER



YES? Then Use

“NICOTICIDE”

Fumigating Compound

And in half an hour they will all be dead and your troubles ended. Guaranteed not to damage the foliage and flowers of the most tender plants. Write for full particulars to

THE TOBACCO WAREHOUSING & TRADING COMPANY,
 Louisville, Ky.

- CALADIUMS** Fancy leaved, 40 named sorts.
 Per 100 Per 1000
 Dry bulbs, 1 1/4 to 2 1/4-in. \$10.00 \$90.00
 Dry bulbs, 1 to 1 1/4-in. 8 00 70 00
- ORANGES**, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in. \$30.00
- PHENIX CANARIENSIS & TENUIS**, Very stocky.
 3-4 characterized leaves, 15-18-in. 15.00
 4-5 " " 20-24 " 25.00
 5-6 " " 24-30 " 40.00
- PHENIX RECLINATA**, 3-4 characterized leaves, 15-18-in., very stocky 25.00
- LATANIA**, 4-5 characterized leaves, 18-20-in. 25.00
- BIOTA AUREA NANA**, Best dwarf Biota, 12-15-in. 12.00

Not less than 50 at above rates.
 Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.



Forcing Plants

- AZALEA INDICA**. See former issues. Per 100
 Spiraea Japonica \$ 3.50
 " Compacta 4.00
 " Astilboides Floribunda 4.00
 " Plumosa Alba (new) 15.00
 " Palmata, scarlet 5.00
 " " Elegans 5.00
 " " Alba 5.00
 Dielytra Spectabilis (Bleeding Heart) 5.00
 Paeonia Officialis rubra pl 8.00
 " " alba plena 24.00
 " Tenuifolia fl. pl 18.00
MONTHLY ROSES, Hermosa, pink 10.00
 " " Agrippina, dark red 10.00
 " " Climbilde Souper 12.00
 H. P. Roses, low budded, leading kinds 10.00
 Crimson Rambler, extra strong 15.00
 Hydrangea Otaksa, 4-6 shoots 12.00

BOBBINK & ATKINS, Rutherford, N. J.
 Please mention the American Florist when writing

Geraniums

ROOTED CUTTINGS SOLD OUT.

A few thousand QUEEN OF WEST, extra strong, left.
 Second lot will be ready the 1st of February.

Send for Price List.

PETER BROWN, Lancaster, Pa.

Edward B. Jackson,
 WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.
 In any quantity, for the least money.
 STAMFORD, - OONN.

F. B. Hayes

The best late pink Chrysanthemum.
 Stock plants for sale, \$2.00 per doz.,
 \$15.00 per hundred.

WILLIAM SIM, Cliftondale, Mass.

Hardy Herbaceous AND Alpine Plants. Field-Grown

A Complete Assortment of Old and New Vars
 The Blue Hill Nursery, So. Braintree, Mass.
 CORRESPONDENCE SOLICITED.

We've thousands of readers and hundreds of advertisers. Each helps the other.

A. SPRENGERII

Ex. strong plants from 2 1/2-in. pots, ready for 3-in.,
\$3.50 per 100; \$30 per 1000.
 The finest stock offered for this price.

JACKSON & PERKINS CO., Newark, N. J.
 Please mention the American Florist when writing.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flower saved, dwarf and semi-dwarf, plant flowered, finest shades and colors. We can supply any quantity fine, stocky plants—2 1/4 in., \$2.50 per 100. Cash with order.
 Shellroad Greenhouse Co., Grange P. O., Balto., Md.

We are booking orders for Rooted Cuttings of
CARNATIONS,
 All the best varieties. Write us.
 GEO. HANCOCK & SON, Grand Haven, Mich.

Minneapolis.

TRADE PROSPECTS BRIGHTENING IN THE NORTH. — MUCH FUNERAL WORK. — AMONG THE RETAILERS.

Thanksgiving trade was not unusually heavy here and since then the weather has been unfavorable for our business. Roses and carnations are in good demand, white particularly so because of the need for many funeral flowers. Violets are very scarce, not nearly enough being obtainable to supply the demand. Chrysanthemums have made their exit for the season. Trade has picked up a little in the last day or two and the prospects are for a big Christmas.

E. Nagel & Co. have a pretty arrangement of decorative plants in their store. Ralph Lathrom is in charge there and keeps the place always looking its best.

Brant & Noe, of Forest Glen, Ill., who started a wholesale store here in October, report a satisfactory trade.

Donaldson's Glass Block people report trade exceptionally good during the past month.

A. Swanson has his store tastefully decorated with a fine lot of ferns and palms. C. R.

Albany, N. Y.

The employes of the testing department of the General Electric Company's works, Schenectady, held their first annual banquet at the Stanwix Hall, in Albany, on Saturday evening, December 8. Covers were laid for 160 guests, among whom were numbered many of the prominent officials of the company. Eyres had the contract for the decorations. The six large pillars in the banquet hall were wound with laurel. Southern smilax and potted plants were used to decorate the tables, while beside each plate was a Bride or Bridesmaid rose. R. D.

LYNN, MASS — John W. Tapper, formerly of Tupper Bros., florists, is a candidate for alderman of Ward 7.

Palms & Ferns.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

ROBT. CRAIG & SON
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, **PHILADELPHIA PA.**

Rooted Cuttings.

	100	1000
Pelargoniums, named.....	\$2.00	
Helio rope, 14 vars.....	1.00	\$8.00
Petunias, double, good vars.....	1.25	
Alyssum, Giant.....	1.00	
Verbenas, 35 vars.....	.60	5.00
Coleus, 30 vars.....	.60	5.00

Express prepaid on all rooted cuttings except Pelargoniums. Cash with orders.
S. D. BRANT, CLAY CENTER, KAN.

SPECIALTIES IN BEST VARIETIES
ROSES, from 2-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX. VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

Unrooted Carnation Cuttings

	Per 100	Per 1000		Per 1000	Per 1000
Morning Glory, the coming Daybreak.....	\$2.50	\$20.00	Mary Wood, white.....	\$1.00	\$ 7.50
Mrs. Barlett (Dorner), scarlet, 2, 50		20.00	Gold Nugget, yellow.....	1.00	7.50
Genevieve Lord, light pink.....	1.50	10.00	Gen. Maceo, msroon.....	1.50	12.50
E. Crocker, pink, fine.....	1.75	12.50	Gen. Gomez, dark red.....	1.25	10.00
Mrs. F. Joost, pink.....	.75	5.00	Morning Glory, rooted cuttings, shell pink.....	5.00	40.00
Glacier, white.....	1.00	7.50	G. H. Crane, scarlet.....	2.25	20.00

25 Cuttings at 100 rates; 250 at 1000 rates.

Plants

	Per 100			Per 100
10,000 Coleus, named, 10 varieties, 2 1/4-in.....	\$1.50	3,000 Cedum variegatum.....	2 1/4-in.,	1.50
20,000 Alternantheras, red, pink and yellow.....	1.50	5,000 Cigar Plant.....	2 1/4 "	1.50
1,000 Salvia.....	1.50	1,000 Asparagus P. Nanus.....	3 "	5.00
		1,000 Boston Fern, true.....	3 "	5.00

THE MORRIS FLORAL CO., - Morris, Ill.

FINE Bays

Pyramids and Standards.

Specimen Rhododendrons for Forcing,

- Adiantum Farleyense, cut or in pots;
- Azaleas, Ficuses, Acacias,
- Araucarias, Boston Ferns, Small Ferns,
- Fine cut Fronds of Adiantum tenerum, Lorraines.

Edgar, WAYERLEY, MASS.



VERBENA KING.

Express prepaid on all Rooted Cuttings.
Ready Dec. 5.
Verbenas, 40 best mammoth vars. 60c per 100; \$5.00 per 1000.
Alternanthera, red and yellow, 60c per 100; \$5 per 1000.
Ageratum, 4 best vars., 60c-75c per 100; \$5.00-\$6.00 per 1000.
Heliotropes, 10 best vars. \$1 per 100; \$8 per 1000.

Daisies, 2 best vars., \$1.00 per 100; \$8.00 per 1000.
Send for our new list of other rooted cuttings and plants; it will save you money. Write for prices on larger lots.

G. HUMFELD, Clay Center, Kas.

3 - Great Glories - 3

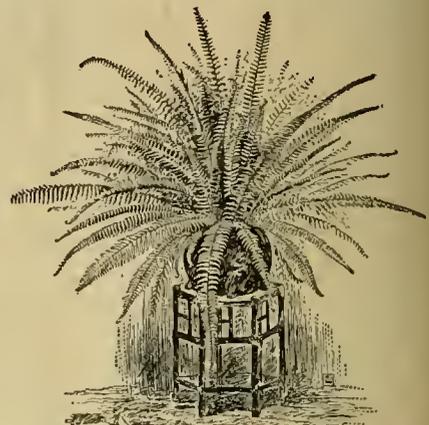
BEGONIA GLOIRE DE LORRAINE, 2 1/4-inch pots, \$15.00 per 100.
BEGONIA GLOIRE DE LORRAINE Nana Compacta, 2 1/4-inch pots, \$15.00 per 100.
BEGONIA CALEDONIA, "The White Lorraine," 3 1/4-inch pots, \$5.00 each.
This stock guaranteed absolutely free from disease.
THOMAS ROLAND, Nahant, Mass.

TO CLEAN OUT.

...500 Paeonia Chinensis...
In 90 different varieties at \$12 per 100; undivided 3 to 4 eyes each. Please cash with order.
VAN HEININGEN BROS., Nederland, Tex.

AGERATUM "Stella Gurney."

As necessary to your bedding stock as coleus or geraniums. Dwarf in growth, true blue and always in bloom. Strong pot plants at 75 cts. per Doz.; \$5.00 per 100.
ALBERT M. HERR, Lancaster, Pa.



BOSTON FERN A Specialty.

20,000 very fine plants at \$25 and \$20 per 100. Small plants, \$5 per 100; \$40 per 1000.
ASPARAGUS P. NANUS and SPRENGERII, for 4-in., at \$8.00 per 100. SOLANUM (Jerusalem Cherry), extra well-herried, 5-in., at \$20 per 100; \$3 per dozen. SMALL PALMS and FICUSES.
L. H. FOSTER, 45 King St., Dorchester, Mass.

"Viola"

LARGEST HORTICULTURAL ADVERTISING PAPER FOR THE SCANDINAVIAN COUNTRIES.

FOREIGN SUBSCRIPTION, 50c PER YEAR.

Write for Sample copies to

SWEDISH GARDENING OFFICES,
6, Regeringsgatan, STOCKHOLM.
Please mention the American Florist when writing.

PALM LEAVES.
Fresh green, large size, long stems, \$6 a 1000.
NEEDLE PINES, 3-4 ft., long leaf, \$5 per 100.
All f. o. b. New York. Cash with order please. Prompt shipments. Quick deliveries.
Florida Natural Products Co., Jacksonville, Fla.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs. . . . \$2.00 Per Year. Sample Copies Free. Liberal terms to florists who take subscriptions.
THE GARDENING CO. Monon Bldg. CHICAGO.

Vinca Major Var.
Strong, field-grown clumps, \$5.00 per 100; fit for 5-inch and 6-inch pots. Cash.
H. KINGSTON, COUNCIL BLUFFS, IOWA.
Please mention the American Florist when writing.

CHRISTMAS SPECIALTIES

Crimped Paper Pot-covers in eleven different combinations—just what is wanted to make plants look effective. SILK CORDS AND TASSELS are being extensively used by the leading florists for tying up Violets, loose bunches, and on handles of baskets. Do not fail to see our new Gauze Ribbons No. 5, with three-inch knotted silk tassels—the very latest for fine trade; can be had in White, Violet, Lavender, Lemon, Pink, Nile, Foliage Green, American Beauty and Meteor.

M. RICE & CO., Leading Florists' Supply House, 918 Filbert St., Philadelphia, Pa.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN—CIRCULAR FREE—SKABCURA DIP CO. CHICAGO.

Kill AND SAVE THE BLOODS the Bugs! QUICKLY DOES IT.



SILVER BIRCH BARK WARE.

PRICES PER DOZ.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4-in. \$1.80; 5-in. \$2.40; 6-in. \$3.00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 14-in. per doz. \$11; 11-in. \$9; 9-in. \$7. References: Geo. Witthold Co., E. Wienthoeber, C. A. Samuelson, Chicago. J. A. LYNN, 1442 WRIGHTWOOD AVE., CHICAGO.

Die Bindekunst

Einzig Special Zeitschrift der Welt für BLUMENBINDEREI.

Probenummern umsonst. Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag, ERFURT. DEUTSCHLAND.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you up on..... **SILKALINES.**

84 Kingston St., BOSTON, MASS.

MEYER SILKALINE is for sale by all the leading seedsmen and jobbers throughout the country.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brass and nickel, with three clasps for 6 to 8-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tubes, ½-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist, 1725 Chestnut St., Philadelphia, Penn.

The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until the burn heap is reached. It does the work much better than a hand rake and three times as fast. Easy to operate. Given certificate of merit at N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.

FINLEY LAWN RAKE CO., Joliet, Ill.

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS

"The kind that never fall apart."
If your seedman doesn't handle them, order of us direct.

FACTORY AND OFFICE:
150-160 WADSWORTH ST., CHICAGO.
TELEPHONE NORTH 932.

BEST AND Cheapest
ALL-ROUND INSECTICIDE as the Market.

ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

IMP

LIQUID PLANT FOOD

Grows harder stock; grows improved stock. Stock ships better; also ready earlier. Brings better customers and more profits.

EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

HELLER'S NICE PRIME SEED CASES & STEEL SEED DRAWERS

SEND FOR CATALOGUE

HELLER & CO. MONTCLAIR, N.J. U.S.A.
Please mention the American Florist when writing.

REDUCED RATES FOR CHRISTMAS AND NEW YEAR HOLIDAYS.

The Nickel Plate Road will sell tickets December 22 to 25, inclusive, December 31, 1900, and January 1, 1901, at rate of a fare and a third for the round trip, to any point located in Central Passenger Association territory, good returning to and including January 2 1901. Vestibuled sleeping cars. Individual club meals, ranging in price from 35 cents to \$1.00, served in dining cars. Address John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. Depot, Van Buren St. and Pacific Ave., on the Elevated Loop.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER AND TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

TOBACCO DUST,

FREE FROM ANY DIRT OR FOREIGN MATTER,

\$10 per 1000 lbs.

SAMPLE SENT IF REQUESTED.

MACK TOBACCO CO.,
Canal and Plum Streets, Cincinnati, Ohio.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS,
46 Marion St., NEW YORK.

THE Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The GARDENERS' CHRONICLE has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, \$4.20 per year Remittances to be made payable to H. G. COVEY.

OFFICE:—
41 Wellington St., Coven Garden, London, England.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J.

Washington.

SOCIAL SEASON OPENED BY STATE DINNER AT THE WHITE HOUSE.—MANY GOOD DECORATIONS NOW REQUIRED.

The social season began Wednesday night at the White House, with the state dinner in honor of the commissioners of the United States to the Paris Exposition. The White House having been recently renovated, everything looked fresh and attractive. The decorations in the state dining room were as usual very elaborate. The table decorations consisted of a centerpiece of Adiantum Farleyense and Begonia Gloire de Lorraine. This was under the direction of Henry Pfister, head gardener at the White House. The decorations of the East Room were of plants and flowers arranged under the direction of Geo. H. Brown.

Mr. and Mrs. Thomas F. Walsh entertained the Paris commissioners Thursday, the party going by boat to Mount Vernon. On the return trip hot luncheon was served in the handsomely decorated cabins. Friday afternoon Mr. and Mrs. Walsh gave a grand reception at their residence. J. H. Small & Sons supplied all these decorations, also those for the Gridiron Club's dinner Saturday night, at the Arlington hotel.

The Standard Floral Company has opened a very neat store at 507 F. street N. W., where a full stock of choice flowers and plants will be carried. P. G.

MONTGOMERY, ALA. — Thanksgiving trade was better than ever before and the demand is holding up well, so that the outlook for Christmas is bright. The Rosemont Gardens are in excellent shape this season.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.

HOT-HOUSE GLASS A SPECIALTY.

Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

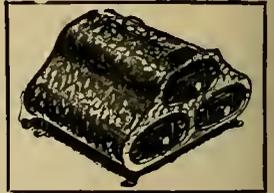
No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.

Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAMES W. ERRINGER,
Gen. West. Sales Agent,
297 Webast Ave., CHICAGO.

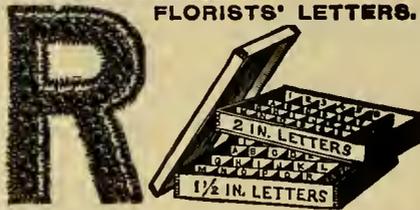


Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

Please mention the American Florist when writing.

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock — New Goods — New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycae Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat of Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.
Please mention the American Florist when writing

HEADQUARTERS FOR

COCOA FIBRE. SHEEP MANURE. BONE all grades. IMPORTED SOOT. SPHAGNUM and GREEN MOSS. RUSTIC WORK, all kinds. CLAY'S FERTILIZER.

DUNNE & CO., 54 West 30th St. New York.
HORTICULTURAL SUPPLIES.

Boilers

OF HIGH GRADE.

For GREENHOUSES.

See our Catalogue. . . .

Steam and Hot Water. Giblin & Co., Utica, N. Y.

Deutsche Gärtners Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Moller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

Ludwig Moller-Erfurt.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.
404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

REED & KELLER,

Manufacturers of Florists' Designs.

Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

WON SENT

WIL BRING YOU 50 DIFFERENT HARMONIUS KOLOR KOMBINATIONEN FOR XTERIOR DEKORATIONEN OF HOUS AN HOM.
JOHN LUCAS & CO. PHILA. & N.Y.

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the . . .

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A."
Chilwell Nurseries, LOWDHAM, Nottingham, England.



THE NEW Standard Ventilating Machines.

Always reliable.
Self-oiling.
Four Styles.
All warranted first-class.

Send for catalogue and see what first-class florists are using.

THE
E. HIPPARD CO.,
YOUNGSTOWN, O.

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

Thos. W. Weatherd's Sons,

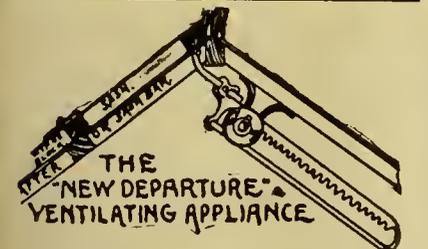
46 Marion St., NEW YORK.

Please mention the American Florist when writing.



REBUILT MACHINERY
and SUPPLIES at Bargain Prices. Largest Machinery Depot on earth. We buy buildings and plants; among others we bought the World's Fair, the Omaha Exposition, the Chicago Post Office, and other structures. We rebuild machinery of all kinds, and sell with binding guarantee. Boilers from \$25 up; Engines from \$33 up; Steam Pumps from \$15 up.

etc. We carry complete stock of General Supplies, such as BELTING, SHAFTING, HANGERS, PULLEYS, IRON PIPE, IRON ROOFING, HARDWARE, VALVES & FITTINGS, PLUMBING MATERIAL, etc. Will send free, our 250-page Catalog No. Constantly buying entire stocks at Sheriffs' and Receivers' sales. Chicago House Wrecking Co., W. 35th & Iron Sts., Chicago, Ill.



THE "NEW DEPARTURE" VENTILATING APPLIANCE

You can not get a **GOOD THING** for nothing. But the price of this apparatus is next to nothing. Send for price and description to

J. D. GARMODY Evansville, Ind.

RUSTIC WORK FOR ALL PURPOSES
MADE TO ORDER...

In stock, the most extensive variety in the country, of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO.,
19 Fulton Street, NEW YORK CITY.

Please mention the American Florist when writing.

HOTBED SASH In Pine, Louisiana Cypress and Red Cedar



GREENHOUSE MATERIAL,
Cal. Red Cedar and Louisiana Cypress.

BEST GRADES, PERFECT WORKMANSHIP.

A. DIETSCH & CO. 615-621 Sheffield Ave. **CHICAGO, ILL.**

Greenhouses Built and Heated

ECONOMICALLY AND PERFECTLY BY
Henry W. Gibbons, 132 to 138 LIBERTY STREET,
NEW YORK.
EXPERT ADVICE AND PLANS FURNISHED. ESTIMATES FREE.



Please mention the American Florist when writing.

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Please mention the American Florist when writing.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.

Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'Y,
HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.

Red Standard Pots,

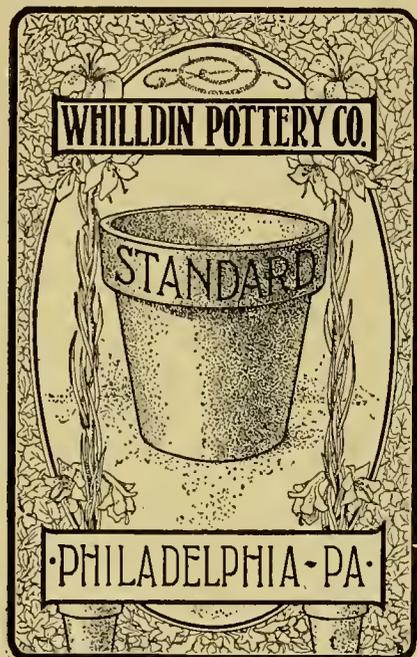
CORRECT SIZE.
SUPERIOR QUALITY.
Write for price list.

G. HENNEGKE GO., MILWAUKEE, WIS.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.



BRANCH WAREHOUSES: } Jersey City, N. J.
Long Island City, N. Y.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate	120 7-in. pots in crate, \$4.80	Price per crate
1500 2 1/2-in. pots in crate, \$4.80	\$4.80		\$3.00
1500 2 1/4-in. pots in crate, \$4.80	\$4.80		\$3.00
1000 3 1/2-in. pots in crate, \$4.80	\$4.80		\$3.00
800 3 1/4-in. pots in crate, \$4.80	\$4.80		\$3.00
600 3 1/2-in. pots in crate, \$4.80	\$4.80		\$3.00
300 5-in. pots in crate, \$4.80	\$4.80		\$3.00
144 8-in. pots in crate, \$4.80	\$4.80		\$3.00

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... **FORT EDWARD, N. Y.**
AUGUST BOLKER & SONS, New York Agents,
62 DEW STREET, NEW YORK CITY

FLOWER POTS

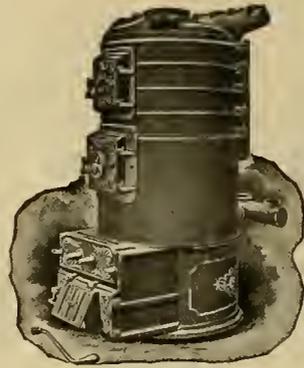
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWAHN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.

Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.
W. H. ERNEST,
28th and M Streets, N.E. WASHINGTON, D. C.

Index to Advertisers.

Advertising Rates.....	680	Kennicott Bros Co.....	667
Allen J K.....	665	Kentucky Tob Pro Co.....	681
Allen S L & Co.....	11	Kevan Co The.....	677
American Rose Co.....	677 11	Kift Robert.....	681
Amling E C.....	663	Kingston H.....	680
Baker & Dick.....	677	Kroesnell Bros Co.....	IV
Benner J L & Co.....	676	Kuehn C A.....	664
Ball Chas D.....	678	Kuhl Geo A.....	676 678
Barnard W W & Co.....	677 1	Laser & Hurrell.....	678
Basett & Washburn.....	663	Lakey W Rose Garden.....	671
Baur S Alfred.....	1	Lang Julius.....	665
Bayersdorfer H & Co.....	682	Langjahr A H.....	664
Benthey & Co.....	662 663	Lee K A.....	677
Berkmans P J Co.....	679	Lehman Bros.....	682
Berning H G.....	684	Limprecht S J.....	665
Bindeknecht Die.....	681	Lockard Lum Co.....	682 111
Blanc A & Co.....	678	Long D B.....	11
Blue Hill Nursery.....	679	Loonadale Edwin.....	678
Boblink & Atkins.....	679	Lord & Burnham Co.....	IV
Boston Letter Co.....	682	Lucas J & Co.....	682
Brague L B.....	677	Lynn J A.....	681
Brant S D.....	680	McCarthy & Co N F.....	664 677
Brint & Nee.....	662	McKellar & Winteron.....	669
Brown Peter.....	679	MacBean A S.....	668
Budlong J A.....	665	Mack Tobacco Co.....	681
Bunyard H A.....	676	Mader Paul.....	675
Burpee W Alice & Co. II	11	Meyer John C & Co.....	681
Caldwell the Woods.....	676 677	Milling Chas.....	665
Can Co.....	683	Millard Frank.....	665
Carmody J D.....	667	Moller's Gartner Zel-	682
Chadwick Chas.....	667	tung.....	682
Chicago Carnation Co.....	675	Moninger J C Co.....	684
Chicago House Wreck-	683	Moon Samuel C.....	670
ing Co.....	683	Moon Wm H Co.....	670
Cincinnati Cut Flo Co.....	684	Moore, Hantz & Nash.....	665
Clark Wm A & Son.....	673	Morris Floral Co.....	680
Colas W W.....	675	Moss Geo M.....	664
Colleah J W.....	678	Murphy Wm.....	675
Conard & Jones Co.....	676	Myers & Co.....	684
Cottage Foli Co.....	682	Nickle Plate R R.....	673 681
Cottage Gardens.....	1	Niessen Leo.....	684
Crabb & Hunt.....	1	N Y Flower Ex.....	665 670
Craig Robt & Son.....	680	N Y Cut Flower Co.....	665
Cunningham Jos H.....	673	Pennock Sam'l S.....	664
Cunningham D O	682	Pierson F R Co.....	676
Glass Co.....	682	Pittsburg Cut Flo Co.....	682
Dallelouse Bros.....	674	Poehmann Adolph H.....	683
Davis Bros.....	678	Polworth G C Co.....	682
Deamud J B.....	683	Pritchard J N.....	676
Detroit Flo'r Pot. Mfy.....	683	Pulver W W.....	677
Dietach A & Co.....	683	Quaker City Mch Wks.....	111
Dillon J L.....	673 675	Randall A L.....	683
Dorner Fred & Sons Co.....	675	Rasmussen A.....	674
Dreer H A.....	111	Rawlins E L.....	687
Dunlop John H.....	682	Rice M & Co.....	681
Dunne & Co.....	682	Reed G asa & Paint Co.....	111
Eastern Chemical Co.....	681	Reed & Keller.....	682
Edgar W W.....	680	Reyan Printing Hoese.....	673
Eichholz Henry.....	670	Reinberg Geo.....	663 675
Ellis Frank M.....	664	Reinberg Peter.....	663
Ernest W H.....	683	Reuter Walter & Co.....	678
Evergreen Floral Co.....	676	Rice M & Co.....	681
Ferguson J B.....	681	Reygars Alex.....	681
Finley Lawn Rake Co.....	681	Roemer Fr-d.....	669
Fisher Peter.....	674	Roland Thomas.....	680
Fitzgerald & Ham-	674	Rolker A & Sons.....	666
mond.....	674	Rustic Mfg & Con Co.....	683
Floral Exchange.....	668	Saltford Geo.....	665
Florida Nat Prod Co.....	680	Sander & Co.....	689
Ford Bros.....	685	Schiller & Sam.....	11
Fort Dodge G'h Co.....	676	Schmidt J C.....	678
Foster Luntia H.....	681	Scolley John A.....	111
Furrow Bros.....	676	Schwill Otto & Co.....	667
Gardening Co The.....	680	Sb Broad Greenho's.....	679
Gardeners Chronicle.....	681	Sheridan W F.....	666
Garland Geo M.....	682	Silvan G.....	673
Geller Sigmund.....	682	South Side Florist Co.....	674
Ghormley Wm.....	665	Stahl Chas B.....	664
Gibbons H W.....	683	Stearns Lumber Co.....	111
Giblin & Co.....	682	Stoothoff H A & Co.....	11
Grave E T.....	674	Sorrs & Harrison Co.....	678
Griewold Mrs.....	678	Studer N.....	673
Gullett & Sons W H.....	682	Styer J J.....	683
Gunter Wm H.....	683	Sutherland Geo A.....	684
Gutman Alex J.....	665	Suzuki & Iida.....	684
Gurney Heater Co.....	684	Swann Pottery Mfg Co.....	683
Hagenburger Carl.....	673	Thorburn J M & Co.....	676
Hall Ass'n.....	681	Tob Warehouse & Tr-	679
Hancock Geo & Son.....	679	ading Co.....	679
Harrer Geo.....	674	Tradny & Schenk.....	663
Hart M A.....	685	Unverzagt Lou's.....	678
Heacock Joseph.....	672	Vall Seed Co.....	676
Heckenkamp F W.....	670	Van Heiningen Bros.....	680
Hels J B.....	681	Vaughan's Seed Store.....	683 673 1
Heller & Co.....	681	Vick's Sons Jas.....	686
Hennecke C Co.....	685	Vincent R Jr & Son.....	667
Hersenden M Co.....	11	Viola.....	681
Herr Albert M.....	674 680	Vredenburg & Co.....	11
Herrmann A.....	682	Waterbury & Co.....	661
Hewa A H & Co.....	684	Watson G C.....	11
Hilb-gar Broa.....	653	Weathered's Sons.....	682
Hill The H G Co.....	1	Webb W.....	681 682 III IV
Hill H H.....	676	Weber H & Sons.....	675
Hippard E Co.....	683	Weeber & Don.....	11
Hitchings & Co.....	11	Welland & Bloch.....	662 674
Holtz & Hunkel Co.....	662 682	Welch Bros.....	684
Hooker H M Co.....	674	Whildin Pot Co.....	684
Horan Edw C.....	665	Wielor Bros.....	682
Hort Jr.....	682	Wilks & Mfg Co.....	11
Hose Connection Co.....	111	Wills & Segar.....	689
Humfeld C.....	680	Wittbold The Geo Co.....	671
Hunt E H.....	663 672	Wood Bros.....	680
Invalld Appliance Co.....	681	Woodroffe & Bern-	664
Jackson & Perkins Co.....	679	helter.....	664
Jackson E B.....	679	Wood, Stubbs & Co.....	684
Jacobs S & Son.....	111	Young Jno.....	665
Jennings E B.....	669	Young & Nugent.....	665
Jennings Bros.....	681		
Johnson & Stokes.....	666		
Kaating W F.....	664		
Keller Bros.....	683		
Keller Geo & Son.....	683		
Kellogg Geo M.....	682		
Kelsey Harlan P.....	676		



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

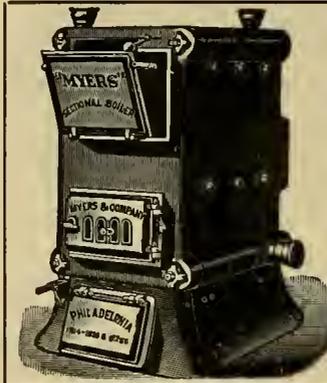
RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St., Cor. Arch, 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO.

111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

GARLAND'S IRON GUTTER

No Ice. No Breakage of Glass.



This Gutter will save money in cost of construction.

GEO. M. GARLAND, DES PLAINES, ILL.

WEST BROOKFIELD, MASS. - Samuel Wass, formerly of the firm of Wass & Brown, florists, has filed a petition in bankruptcy, scheduling liabilities of \$2697.93 and no assets.

THE AMERICAN FLORIST



A WEEKLY JOURNAL FOR THE TRADE

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, DECEMBER 22, 1900.

No. 655.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natlck, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901)
Patrick O'Mara, New York, president; W. F. Kastig, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March, 1901.
LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-23, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

Roses—Mid-season rose notes.....	685
—New rose Robert Scott.....	685
—Shriveling of blind rose wood.....	686
—Dying off of roses.....	684
Odontoglossum crispum in Belgium.....	686
The new carnations.....	686
Chrysanthemum jottings (illus.).....	687
New York.....	687
Boston.....	688
Chicago.....	688
Philadelphia.....	689
St. Louis.....	690
Toronto.....	690
A bit of trade history (illus.).....	691
Minneapolis.....	691
Montreal.....	691
Buffalo.....	692
West Hoboken, N. J.....	692
Scranton, Pa.....	692
Columbus, O.....	693
A disclaimer.....	694
Trouble with chrysanthemums.....	694
Some recent fires.....	694
To carnation raisers.....	694
Obituary—W. J. Palmer, Sr. (portrait).....	6-5
The seed trade.....	700
—That government seed shop.....	700
—The government seed contract.....	700
The nursery trade.....	702
—Moving large trees (illus.).....	702
Our pastimes.....	704
Albany, N. Y.....	706
Lowell, Mass.....	708
Washington.....	710
Galveston, Tex.....	712
St. Paul.....	714

ROSES.

MID SEASON ROSE NOTES.

Everybody is complaining about the weather. It seems as though nature had sprung a leak; we are certainly getting our share of rain and cloudy weather. Growers of roses and flowering stock find it difficult to keep up the high standard of their product during such trying times. While the weather can be blamed for much of our disappointment, there are many things that the grower can avoid by attending carefully to the important minor details that growing crops demand. We are apt to blame the weather for things which might be kept under control if we only studied the conditions more thoroughly that produce the trouble. We all know that sunshine is what the grower needs to produce high grade stock, but we want roses whether the sun shines or not, as it is during the time that the sun does not shine that roses are selling at high prices.

In these days of rapid evolution in methods of culture, together with the introduction of newly discovered preventatives for insects and diseases, the principal thing to consider is the timely and persistent application of such remedies. Here it is that the careful grower will show himself to advantage over his more careless competitor, in that he is ever ready to anticipate and prevent evils instead of trying to cure them. During these dark days we find it necessary to use the sulphur bellows quite frequently. For this purpose we use the white sulphur or grape dust. We believe in light applications and except where mildew has shown its presence we do not apply it to the plants at all. During a prolonged cloudy spell we make it a point to go through the walks of the houses with the sulphur bellows every evening. It is the work of only a few minutes if performed by a person who has a little life in him. We start at one end of the house, walk backward and with the bellows blow the sulphur into the air above the walk. This is sufficient to purify the air and also dries it. We also keep a mixture of one-half yellow sulphur and one-half lime painted on the steam pipes. There is danger of getting this too strong, especially during heavy firing. We find it sufficient to paint one 1/4-inch steam pipe with the mixture in each house 20x100 feet.

If your roses have had a mulch of manure any time within the last eight weeks it would be best to have about three-fourths of it removed. For the next

six weeks they will not need any feeding of any kind. If the soil in which they are planted is as it should be it contains sufficient food to carry them along without any stimulant. We would never advise using fertilizer of any kind from December 1 to January 15, as this is the most critical period of the whole season. Nature is almost at a standstill at this time and will resent any attempt to arouse it from its slumber. Many a fine batch of rose plants has been ruined by attempting to force them unreasonably at such times.

How to get a big crop of roses for the holidays is a question that has been worrying many a grower. This can only be done by either growing them specially for the holidays, or else so regulating your cut that the crop previous to the holidays will be off about seven weeks before. This will give the plants time to produce their next crop for the holidays. If your roses were in condition to bloom it has done no harm to increase the temperature 3° or 4° for the ten days before Christmas to get a few more flowers to meet the extra demand. Give all the air possible; this will improve both the stem and flower.

Present indications point to a scarcity of stock for the next few weeks, but do not let an extra price induce you to force your plants beyond reason. Remember you have still over four months' work for them to do. To weaken them now for the sake of a few extra flowers may mean failure for the balance of the season.

S. A. B.

NEW ROSE ROBERT SCOTT.

The new rose, Robert Scott, has created a favorable impression wherever seen. Its delicate pink color and large size render it attractive to every rose lover and flower buyer. This rose is a seedling from Merville de Lyon. Belle Siebrecht was the pollen parent. The offspring combines the large size and form of the hybrid remontant, the seed parent, and the tree and continuous flowering qualities of the pollen parent, which it will be remembered is a hybrid tea. I am not quite sure but am inclined to think that Liberty has some of the Belle Siebrecht blood in it.

The color of Robert Scott is a very delicate pink, yet there is a brightness and freshness even in the full blown flowers that appeals to everyone. It looks very much like Baroness Rothschild in shape; the color may be a few shades darker

than that well known hybrid perpetual, nearer possibly to the color of Mrs. John Laing or Mme. Gabriel Luizet. This point is difficult to determine, however, without having all the varieties named side by side for comparison. We will have to wait until spring time comes again before we can decide that point. It is a color, however, always in demand among roses and other cut flowers because ever popular.

Out at the rose growing establishment of Robert Scott & Son, Sharon Hill, Pa., where this rose originated, same may be seen in fine shape. They have two large houses planted with it, each house containing 1250 plants or 2500 in all. This is an evidence of the faith this firm has in their new rose, which we believe is destined to become a standard winter blooming variety not soon to be displaced by anything superior to it in its line of color.

H. H. Battles, the popular and well known retailer of Philadelphia, knows a good thing when he sees it, hence he has secured the whole cut crop for his own exclusive use among the swell flower buyers of the Quaker City.

EDWIN LONSDALE.

SHRIVELING OF BLIND ROSE WOOD.

ED. AM. FLORIST:—We should like to know what causes the young wood on our Bride and Bridesmaid roses to shrivel and flatten. The plants were benched June 1, in four and one-half inches of wild grass sod. We began to feed on October 1, at which date the plants were healthy and free from mildew. They had a light top dressing of well rotted manure, soil and a sprinkling of air slaked lime. The night temperature was rather high through October and the plants made a rapid growth and light green foliage. Now the young blind wood on the weaker plants shrivels and flattens so that the stems lop over, while the foliage retains almost its natural color. Can you tell the cause and cure? Is it because the night temperature was too high?

D. & S.

The trouble may possibly be caused by the high temperature. The night temperature would certainly produce a very soft growth, which means that it has not enough wood fiber to support its rapid growth. A free circulation of air during the day and a temperature as nearly as possible 56° at night, maintained for the balance of the season, will gradually strengthen the wood and give a much better quality of flowers. Another cause for the trouble, or at least a factor in producing it, may be the want of some particular element in the soil necessary for the full development of the plants. This in conjunction with the above may be the actual cause of the trouble.

JOHN N. MAY.

DYING OFF OF ROSES.

ED. AM. FLORIST:—I have been growing roses for eight years and each season, in October or November, I have the same trouble. The plants will appear to be as healthy as one could wish and the crop of buds will be large and fine, when some of the plants will appear to rot and soon die. The rot always begins at the top of a shoot and progresses downward, until the plant is dead. Sometimes a plant will throw a splendid, strong, red shoot and in a day or two the rot will appear on some other part of the plant and finally the plant will die. Some years I have lost twenty-five or thirty plants in a

house 20x100; other years the loss will be much less, but this year, in a house 20x100 and one 25x100. I have lost over fifty plants. The soil is clay sod and one-fifth cow manure, well rotted. After the soil was brought in I worked twenty pounds of bone meal into each bench 4x100. In four or five weeks, when the plants were growing well, I gave a mulch one and one-half inches thick of two parts well rotted cow manure and one part soil. About eight weeks later I cleaned off the benches and gave a sprinkling of bone meal, then putting on one and a half inches of mulch. The plants are making good growth, with



THE LATE W. J. PALMER SR.

fine dark green foliage. The new wood is red and the whole lot are as good as any roses I ever saw, but the dying off is as bad as ever. What is the cause and the remedy?

E. H.

This trouble undoubtedly comes from too much humus in the soil. The compost, as described, with the addition of the liberal dressing of bone meal would be ample stimulant to carry the plants well along into winter, but "E. H." adds another whole inch of manure to the already rich soil and before the plants have made any great root action in the compost, and then, only eight weeks later, adds another heavy mulching. If "E. H." will try another season to use only one-third the amount of mulching each time, half an inch each time instead of one and one-half inches, I think he will not lose his plants by rotting.

JOHN N. MAY.

Odontoglossum Crispum in Belgium.

This orchid, which ranks among the finest of the genus, is grown very extensively in Belgium for cutting as well as for the plants. *Odontoglossum crispum* comes from the mountains of Columbia and is found at an altitude varying upwards to 7,000 and 8,000 feet above the level of the sea. Various collectors say they have been seen in the early morning covered with a hoar-frost, which shows they should be grown cool. The maximum temperature should be about 55° and the minimum temperature about 45°.

It was once thought that *Odontoglossum crispum* would only succeed in peat and moss, but some ingenious Belgian tried them in the mould of oak-leaves with success and now the leading nurserymen grow them in pure leaf mould, with a top dressing of live sphagnum moss.

When newly imported plants are about to be potted it is best to fill the pots three-quarters full of potsherds and then fill with the leaf mould and moss, but when the plants have become established one crock is placed over the hole in the pot and the repotting is done as with any common plant.

They delight in plenty of air and moisture and plenty of water at the roots; in fact, they should never be allowed to become totally dry, as they have no resting season, like cattleyas and dendrobiums. Shading is also important, as they are very easily burned by the direct rays of the sun. The houses here have ventilators on the sides as well as on the roof, and are left open night and day throughout the summer. The plants are also syringed overhead after a warm, bright day, or in the morning before the sun gets very strong.

Fire heat is injurious to *Odontoglossum crispum* if carried to an excess, as it helps to breed thrips, which soon disfigure the young, tender leaves.

A plant of *Odontoglossum crispum* recently exhibited in London by F. Sander & Co., which was grown in their Bruges nursery, showed well the merits of this orchid. It had two spikes two feet long on one bulb, the two spikes bearing twenty-seven flowers, each of which measured from two and one-half to three inches in diameter. The pure white flowers on drooping spikes were a fine sight.

The leaf mould in Belgium is naturally adapted for orchids as it is intermixed with the fine sand of which Belgium is chiefly made up, which is carried by the wind during stormy weather. The moss if chopped fine and if kept moist will soon commence to grow and gives the pot a glossy green surface.

R. S. EDGAR.

Bruges, Belgium.

The New Carnations.

A desire to know the experience of others in regard to some of the newer carnations, leads me to relate my own. I find Peru to be the purest "glistening white" I have ever seen; it is like a morning frost. The flower is good, is very fragrant and does not burst, but, like most other whites, the plant is weak constitutionally and with me rusted a little. It is a very free bloomer and does not crop. An all-around white seems hard to get. The best I have seen is owned by H. C. Rath, of Flushing, N. Y. White Cloud is a fine flower but I have not been able to coax many blooms out of it.

G. H. Crane is a good red, very free, healthy, etc., but some of mine came a little off color. I think I prefer Estelle, that funny little Tom Thumb with a big flower. The color is better and it is a good bloomer. It seems to be perfectly healthy and a great many plants can be crowded into a small space. I would think seven inches each way would be plenty of room for it. The stem is not very long but wiry.

Armazindy is a good plant for a fancy, also Gold Nugget. Gomez is a beautiful, rich color, a good bloomer and this year, so far has been perfectly healthy with me. I think Maceo the strongest, constitu-

tionally, but I suppose Roosevelt will make it take a back seat next year. To my mind Olympia is the most perfect blossom in shape of any of the new ones but the plant seems to be a poor grower, and flowers are mighty scarce with me and about half of my plants succumbed to stem-rot.

Genevieve Lord is a good, strong, healthy plant, has most too much foliage but is a very free bloomer, does not burst and is easy to grow. The flowers are of good size but I prefer a brighter pink. The Marquis is a beautiful shade of pink, good sized flower, well filled, but does not open out enough to suit me. The plant is a little grassy and has proved healthy so far, but I am watching it and must have it for its color.

If I could only have one variety I don't know which I should choose. Ethel Crocker or Mrs. Lawson. Ethel Crocker is a great flower, well nigh perfect in color, size, shape, fragrance, etc., but Mrs. Lawson is a great plant. The florist who gets a seedling combining the best qualities of each will just about be "it." Crocker is a good, strong, healthy plant, symmetrical and almost ideal in growth, but Lawson grows like an ailanthus tree and there is not a superfluous leaf upon it. So far as growth is concerned, it is a lion among carnations. The blooms are the largest and brightest, yet it lacks the delicacy in color and outline and gracefulness of some other varieties. What a robust grower it is, and its strength extends to its seedlings. You can tell them as soon as they open their seed leaves. No matter what the cross has been the blood of Daybreak shows. Some of them have the same curl in the leaves, reminding one of the curl in the tail of a fat pig, well bred and well fed.

This is as far as I have got. Next year I shall try Roosevelt and Prosperity and some of this year's introductions, also some pet seedling of my own to lie about and foist upon an innocent and unsuspecting public. WILLIAM T. JAMES.

Chestnut Hill Horticultural Society.

At the December meeting of the Chestnut Hill Horticultural Society, the following officers were elected to serve for the ensuing year: President, John T. Morris; vice presidents, William Boyce, Alexander Stewart, Frank Gould and Fred. Michell; treasurer, Wm. H. Houston; executive council, Chas. A. Knapp, Robt. G. Carey, Hans. Reuter, Chas. W. Henry, Randal Morgan, Robert Le Boutillier and J. H. Humphreys.

The exhibits were of good quality, first prizes being awarded to G. W. Brown, James Bell, Michael Punch, William Vander Ver and John Little. Frank Gould, gardener to John T. Morris, showed a fine specimen of *Sansevieria Zeylanica*. It is a rare thing to find this plant in flower, but this specimen was heavy with bloom. Edwin Lonsdale had on exhibition a plant of the rare *Cypripedium insigne Ernestii*. This variety has flowers with lip and petals of a decided shade of yellow, and what few spots there are on the dorsal sepal are quite faint, whereas in the type the prevailing color is a greenish yellow and the spots quite numerous and brown in color. Mr. Lonsdale also had a display of Lorraine begonias, both the original variety and its sport, which produces delicate pink flowers. The plants of the newer variety seemed more compact in manner of growth, yet more robust and the flowers appeared larger.

Eleven persons were admitted to mem-



CHRYSANTHEMUM F. B. HAYES, AS GROWN BY WM. SIM, CLIFTONDALE, MASS.

bership and the committee on the fall show reported all accounts and premiums paid and a small balance still in the treasury. We feel that this is a fairly good showing for a year's work.

J. H. H.

Chrysanthemum Jottings.

We illustrate in this issue a house of chrysanthemums on the place of William Sim, Cliftondale, Mass. The variety is F. B. Hayes, a very good pink which Mr. Sim is growing with excellent results. The house shown was grown to cut for Thanksgiving and the photograph was taken November 25. The variety may be brought in later by growing cooler. The plants were set in rows six by eight inches in the beds and were grown to three flowers. The plants average two and one-half feet in height.

Omega is a second early yellow, reaching its perfection about October 25. The blooms are the shade of Mrs. J. J. Glessner, and develop to about seven and one-half inches in diameter. This is after the style of Viviani-Morel, but the petals are broader. Nathan Smith & Son have received the C. S. A. certificate of merit for Omega.

Mrs. Ritson is listed among the European novelties offered by Nathan Smith & Son. It is a white sport from Viviani-Morel and possesses all the characteristics of that variety.

New York.

ALL THOUGHTS CENTERED UPON THE AGGREGATE OF CHRISTMAS TRADE.—DETAILS OF THE SITUATION—LOW GRADE MATERIAL THAT WHICH IS TO BE FEARED.—PLANT TRADE IS PROSPEROUS.—RETAILERS DECORATE THEIR STORES.—BASKETS AGAIN IN HIGH FAVOR.—AMERICAN INSTITUTE MEETING.—NOTES.

Interest in the immediate present of the flower market—its ups and downs—is swallowed up in the more momentous question of the coming holiday supply and demand. In view of the discrimination now exercised by customers in buying any flowers of which varying grades are offered and the strong prejudice against the inferior grades, existing even among the lower class of buyers, it is

not to be expected that there will be any surplus of fine choice material on Christmas day or the day before and for this brief period, at least, those who demand high grade material will have to pay well for it. But it is to the stock left after this selection has been made and which comprises the larger proportion of the aggregate cut that dealers look with apprehension and to the stock received in the market or stored in the cellars in the dull and profitless days in the interim, which, however, high in quality at time of cutting, must necessarily in these days of critical buyers, if unsold previous to the holiday, take its chances in the same class with the fresher lower quality stock. It being an indisputable fact that customers are generally able to detect at once any traces of age in a rose, it follows that the place for roses as soon as they are ready for market is in the wholesalers' hands and not in the cellar of the grower. The former understands the situation best and may be depended upon to get for the goods all they will bring by immediate sale or by withholding them for a rise, as the condition of the market may justify. Had this oft-repeated advice been heeded and acted upon during past years the cut flower industry would not have been in the humiliating position it occupies to-day in relation to the plant industry and from which there now seems no possibility of extricating it.

The holiday plant trade is in a most prosperous condition if the order books of the growers serve as any index to the situation. Practically all really good stock in flowering and berried plants is all sold two weeks in advance, and the late buyers will find, but little available material at any establishment of good reputation. For oranges, ardisias, solanums and poinsettias the call on the growers has been very heavy and the wholesale demand for azaleas, begonias, primroses and ericas would indicate that the retailers anticipate a tremendous sale. The less showy subjects, such as palms, cyperus, dracenas, araucarias, aspidistras, pandanus, ficuses and ferns large and small, have naturally been in less active demand but of all these sales have been greatly augmented, especially in the small ferns and other things that harmonize acceptably with blooming material in the mixed fancy baskets and jar-

dinieres which are now so popular. During the few remaining days most of the time in the city florists' stores will be devoted to arranging and preparing these attractive combinations, in the grouping of which there is fully as much scope for the display of artistic taste as was ever the case with the cut flower creations of bygone days.

The growing popularity of the zinc



CHRYSANTHEMUM MRS. RITSON.

lined hampers and fancy baskets for growing plants or combinations of plants and cut flowers has given an impetus to the basket maker's trade that will be appreciated by them. In the old days of the short-stemmed flower the basket shared with the formal bouquet the popular favor and the basket houses found the floral demand an important item of their business, but with the introduction of the long stemmed flowers and the consequent changes in the floral fashions the basket demand languished and the basket maker had to look to others than the florists if he wanted to stay in business. In the interim the basket people have evidently not forgotten their old friends and now when the opening is given them they are placing at the disposal of the florists, productions which display both enterprise and artistic taste and the florist who fails to provide for his customers a good assortment of these beautiful and appropriate holiday gifts is making a great mistake.

At the meeting of the American Institute on Wednesday, December 12, there was a fine display of orchids contributed by C. G. Roebbing, John Crosby Brown, G. C. Rand, Julius Roehrs and Lager & Hurrell. Mr. Lager gave an interesting account of some of his experiences in orchid collecting and Dr. Rydberg and H. A. Siebrecht also made remarks on the same subject. The New York Horticultural Society held a meeting afterwards and Dr. Britton, who had recently returned from a European trip, described what he had seen at the foreign botanical gardens and museums and the horticultural pavilions of the Paris Exposition.

The executive committee of the American Rose Society met in this city Saturday,

December 15, and finally decided to hold the spring exhibition of roses at the Waldorf-Astoria in March, the exact date to be announced later. The price of admission tickets has been set at \$1, and the proceeds will be for the benefit of the city branch of the Loomis Consumptives' Home.

At Thomas Young, Jr.'s, a fine bunch of the new rose, Robert Scott, was seen a few days ago. This promises to be a fit companion to the American Beauty and its silky pink color is sure to be popular.

J. K. Allen is making an effort to re-introduce the white camellia to the elite florists' trade. He says that it is now time to bury the hatchet and give the grand old flower a chance.

Visitors in town: Benjamin Dorrance, Dorranceton, Pa.; E. M. Wood, Natick, Mass.; A. W. Williams, Highland, N. Y.; A. H. Newman, Boston, and T. W. Dugan, Brampton, Ont.

Boston.

TRADE LIGHT BEFORE CHRISTMAS.—CARNATION VALUES ARE UP.—PROSPECTS FOR HOLIDAY SUPPLY.—GROWERS HOLDING THEIR CUTS.—WITH MISTLETOE AND GREENS—VARIOUS MATTERS OF INTEREST.

Naturally the general demand in the cut flower business is quite light this week, but very stiff prices have ruled on carnations, the lower grades of which are bringing from \$3 to \$5 a hundred, fancy sorts being quoted fully as high as roses in some instances. Roses have not, so far, displayed any ability to soar. There appears to be a sufficient supply of them for all immediate requirements and the customary Christmas rates will evidently have to wait until the actual Christmas distribution begins before they will be operative. There is little likelihood that, even then, stored stock will participate in the higher prices or, in fact, bring any more than it would if marketed fresh this week. Violets are not abundant in the market and have not been for a fortnight. Growers say that they are not blooming; city dealers, on the other hand, are skeptical, asserting that the flowers are purposely being left unpicked and that there will be no scarcity of violets the day before Christmas. The present scarcity, however, does not appear to cause any privation. Prices have been advanced to the limit which this market will stand on the quality produced for it, and customers are by no means tumbling over one another to procure violets.

The market shows the usual line of material for Christmas in cut flowers and plants, with a noticeable increase, in quantity and variety and advance in quality, of the latter. The season seems to have favored the azaleas, which are especially good, Deutsch Perle, Simon Mardner and Vervaeneana being the varieties in evidence. Mistletoe is arriving in perhaps better shape than ever before. This not true of holly, however, which has in many instances been received in a badly dried-up condition by the jobbers and, being unsalable at any figure, will be a loss to the shippers. The trouble appears to be that, being unable to foresee the warm, open fall, the pickers collected the holly too early in the season and the weather has been more than it could stand. This is the more to be regretted because of the large quantity of berries this season. Late picked holly is arriving all right and is, as a rule, very fine. Prices have been

badly cut and demoralized and there is but little profit in holly now for any one.

The Boston Market Gardeners' Association had its annual dinner at the Revere House on December 13. About 150 gentlemen were in attendance. W. W. Rawson was re-elected president.

James B. Sutherland, who officiates at the wholesale establishment of his uncle, George A., got his Christmas present in good season. It is a girl who came on December 17.

Chicago.

WHOLESALE TRADE AT THE HEIGHT OF THE CHRISTMAS RUSH.—MANY VERY LARGE ORDERS BOOKED FOR SHIPMENT.—ONLY FIRST CLASS STOCK WANTED AND MOST OF THE SUPPLIES ARE LOW GRADE.—BEAUTIES ARE GENERALLY GOOD.—VARIOUS NOTES OF INTEREST.

This issue of the AMERICAN FLORIST makes its appearance in the midst of the Christmas rush and while it is yet too early to form any definite conclusions as to the aggregate results of the season's business. The week began with a moderate demand and a short supply of flowers, particularly first-class roses and colored carnations. There can be no doubt that the growers were holding back their product for the high prices which they expect to realize just before Christmas, and the result was that the prices for the items most in demand went up very nearly to the holiday level. He is a smart grower who holds back his cut the second week before a holiday and gets it in during the period when all other producers are holding back. As the week progressed a great many orders were booked for shipment on Saturday and Sunday, and many of



CHRYSANTHEMUM OMEGA.

the orders ran into the hundreds of dollars. It seems probable that never before in the same period were there so many flowers shipped out of Chicago as will be the case in the three days before Christmas this year. In fact the shipping business began on Thursday, when the long distance boxes went out, but the bulk of

the orders were for Saturday and Sunday shipment. While the bright sunshine of the past few days has done much to bring along the roses and carnations, there is, at the time of going to press, no indication of other than a shortage of the better grades of these items. All of the wholesalers are facing a demand which calls for nothing but first-class stock and it is a regrettable fact that only a very small proportion of the cut can be classed as strictly first-class. Indeed, it is asserted by some growers that the Christmas flowers have seldom been as poor, on an average, as they are this year. This is accounted for from the fact that the warm fall caused weak growth in both roses and carnations, from which the plants have not yet recovered. Some growers even go so far as to say that they fear their plants will not be in good shape during any part of the season and that low grade stock is all they expect to be able to produce before it is time to throw out the plants. This observation does not apply to Beauties, for they are very good with most growers, and there are some excellent carnations, although many of them have weak stems.

L. Koropp has a nice stock of *Asparagus decumbens* from which he is cutting sprays. Wienhoeber and Samuelson are using them with good effect in nice work that requires a light, airy green, but the price is too high for the ordinary run of floral work. However, Mr. Koropp says that he is not yet able to grow this variety at a profit at a popular price.

F. H. Anderman, who some years ago had extensive greenhouses at Lake Forest has been on trial for his sanity but Judge Jones, at the Detention Hospital, pronounced him of sound mind.

Phil. Hauswirth celebrated his thirty-ninth birthday December 18, and the members of the bowling club took advantage of the occasion to present him with a regulation ball and cover.

There have been large supplies of holly in this market and some of it very good. There is, however, a large proportion of the cases which are not worth the very low prices asked.

McKellar & Winterson have a lot of good *Harrisii* lilies in from one of their growers for Christmas. They were quickly sold at 25 cents per bud and flower.

Frank W. Williams, who has been connected with a number of well-known establishments in the east, is in town with the intention of locating here.

Chas. Raupach, of Park Ridge, Ill., is at present supplying, as he has often done before, as fine Bridesmaid roses as have ever been seen in this market.

Niel Jakobsen, formerly with the Park Floral Co., Denver, Colo., is now assistant to James S. Wilson, of Vaughan's greenhouses, Western Springs, Ill.

George Reinberg shipped his first batch of carnation and rose cuttings on December 17. He reports the cutting trade opening in fine shape.

E. C. Amling was down to New Castle last Sunday and says that he found there the finest crop of Christmas Beauties he ever handled.

C. S. Stewart is now buyer at Schubert's, having succeeded Mr. Murphy, who goes with the Art Floral Company.

John Schneider has returned to Kansas City after spending two weeks here, resting up.

ANDOVER, MASS.—The Florists' and Gardeners' Club was entertained recently at the home of Mr. and Mrs. J. H. Playdon at Frye Village.



BENCH 150 FEET LONG OF BEGONIA GLOIRE DE LORRAINE AS GROWN FOR THE CHICAGO MARKET AT VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.

Philadelphia.

PROSPECTS FOR A BUSY HOLIDAY SEASON.—BUSINESS QUIET BEFORE THE STORM.—MILD WEATHER FAVORABLE TO ALL CONCERNED.—SPORTING TALES.—QUEEN TO QUEEN.—VARIOUS ITEMS.

At this writing the prospects for a busy Christmas are bright. The retail demand is said to be fully up to last season at this time and the commission men say their books are rapidly filling up with orders for holiday trade, the select stock being particularly in demand. The prices will be about the same as last season, there being very little change in the advance lists sent out over those of a year ago. The weather, which for the past week has been cold, the glass showing for several days from 10° to 15° of frost, has now moderated to above freezing and clear. If this continues it will insure a very good supply of almost everything. Business the past week has been quiet, as it generally is before a holiday. Prices, however, have kept up, as

even with the light demand stock did not seem to accumulate, that is, at the city end, which is the limit of our vision. The ground pine was certainly scarce and prices ran up as high as 20 cents per pound, where the parties had to have it. The holly arriving is very good, as is also the mistletoe. The mild weather was a boon to the growers and saved them much labor. If it continues the storemen will also have a deal to be thankful for. Poinsettias are scarce; they are a great Christmas plant but for some reason the growers hereabouts do not seem to grow them.

If you want to hear a fresh subject treated artistically just ask George Anderson or Bart. Cartledge the difference between a "flush" and a "blind" and see what will happen. You will find yourself down in the North Carolina woods with your nerves on edge for wild turkey, quail, cottontails and other cute and wary denizens of the forest, and all thoughts of gun club averages and handicapped percentages completely forgotten in

listening to the graphic and picturesque details from the doughty sons of Nimrod. If their other senses were all as well oiled as their linguistic faculties it must have been a cold week for fur and feathers. Their tongues are surely hung in the middle.

The Queen of Edgely has gone on a visit to the Queen of England, Alfred Dimmock, now on his way home, having a box of this fine rose in his charge. Each rose is supplied with water during its journey from one of Kift's rubber-capped flower tubes. It will be interesting to see how they carry, as the success of the venture may open a new market for Philadelphia rose growers.

Pennock's new van is on the street. It is a handsome wagon and makes the folks turn around as it goes by, so it can be said to be a great success.

Robert Craig expects to start for the west next week.

John N. May, of Summit, was a visitor this week. K.

St. Louis.

SIXTEEN CLUB MEMBERS TO ONE DECEMBER MEETING.—THE UDES PRESENT ESSAYS AT THE SAME FUNCTION.—SAMPLE BLOOMS ARE SHOWN.—GOOD CHRYSANTHEMUMS AND CARNATIONS.—PRIZES OFFERED FOR JANUARY EXHIBITS.—NOTES.

The monthly meeting of the Florists' Club was held on Thursday, December 13, with sixteen members present and,

after the usual order of business, Dr. Halstead was called on to read his paper on "New Carnations from a Commercial Standpoint," but asked to be excused until next meeting as he had not had the time to prepare himself. F. W. Ude, Jr., read a very interesting paper on "The Latest Facts about Carnations." He spoke principally of the new varieties, mentioning as those which have done best with him Ethel Crocker and Joost. Olympia has disappointed him. H. G. Ude sent his essay on violets to the secretary, as he could not come in person. He wrote that it is his practice to keep the runners picked off the violet plants until about two weeks before planting. He then plants without pinching, gives an abundance of water and does not pinch the runners again until the plants have started into strong growth. One year he took up his plants and pinched them back when he planted them; the result was that he had a late crop and the plants stayed weak for some time.

Nathan Smith & Son, of Adrian, sent blooms of their new late pink chrysanthemum, Superba, which was of good color, stem and foliage and should be a good thing for Christmas trade. President Guy, of Belleville, brought a nice vase of The Marquis, which showed good color and stiff stems. Fred. Ammann, who is an old grower of Wm. Scott, claims that both Genevieve Lord and Frances Joost surpass it for quality and quantity. His roses are looking good, he says. Dr. Hal-

stead brought a nice box of carnations, including the four reds, Chicago or Red Bradt, Jubilee, Fire-fly and Crane. Some of the others that he showed were Mrs. Geo. M. Bradt, Joost, Wm. Scott and C. A. Dana. His Danas are very large and strong plants and are blooming well.

The annual carnation show will be held at the next meeting, January 12, and \$10 will be offered in three prizes for the best vases of fifty carnations, competition open to members only. From now until summer the trustees will award \$10 in prizes each month. The secretary was instructed to write to firms that have new carnations and ask them to send a few blooms for exhibition purposes.

Rudolph J. Mohr mentioned the Zvolanek's Christmas sweet pea which he is growing. He planted the seeds October 15, in pots and at present is cutting some nice flowers. The wings and keel are white, while the standard is pink with darker penciling. He was asked to bring some blooms to the January meeting.

The South Side Carnation Company is rather late with lily of the valley for Christmas, but will get them in time for the New Year. They have also a nice lot of calla lilies and narcissi. Their carnations were troubled with rust in the field but seem to have outgrown it in the houses.

R. J. Mohr has gone to Omaha for the holidays. R. J. M.

Toronto.

FLORISTS AND GARDENERS ELECT A CORPS OF OFFICERS FOR NEXT YEAR.—TRADE GOOD AND PRICES HIGH BECAUSE OF SHORT SUPPLIES—VARIOUS SETTINGS OF CANADIAN INTEREST.

The regular monthly meeting of the Toronto Florists' and Gardeners' Association was held in St. George's Hall, December 18, but owing to inclement weather the attendance was poor. The financial part of our recent show was settled and officers were elected for the ensuing year, as follows: President, J. W. Lawrence; vice-president, Walter Woods, second vice-president, Ernest Collins; secretary, Wm. Jay; treasurer, George Mills; executive committee, Thos. Manton, John Chambers, Walter Muston, Joseph Graham, H. G. Dilleuth, John H. Dunlop and A. Watkins; auditors, George Manton and D. Robertson. As delegates to the Industrial Exhibition John H. Dunlop and Walter Muston were elected. This carried the meeting until a late hour and after a movement that a letter of sympathy and condolence be forwarded to the family of W. J. Palmer, of Buffalo, it was decided to adjourn and keep the speeches for our next meeting.

The past week has been a very busy one, and, owing to a large number of weddings and other social functions, the lull which usually precedes the storm has not visited us. Stock of all kinds is very scarce, although we have had several bright days which have developed buds, and the demand is so great that very little can be held back for Christmas. Unless Old Sol favors us with some more of this brightness there will be a decided shortage for the holidays. Roses are good and very free from mildew. I went through a 600-foot house at Dunlop's and it was a pleasure to the eye, filled completely with Brides and Bridesmaids, full crop. Many plants had from four to six flowers almost developed. The outlook for Beauties and Liberties is poor and the stems are not as good as one expects at this season of the year. Carnations are very scarce but the stock is



BEGONIA GLOIRE DE LORRAINE AS GROWN FOR THE CHICAGO MARKET AT VAUGHAN'S GREENHOUSES WESTERN SPRINGS, ILL.



E. E. Pieser, Treasurer and Manager.



Flint Kennicott, President.



G. H. Pieser, Secretary.

THE PRINCIPALS OF THE KENNICOTT BROTHERS COMPANY.

excellent and brings good prices. Those few growers who are fortunate enough to have a few violets are asking big prices and, what is better, getting them.

Walter Muston has some beautiful plants of Begonia Gloire de Lorraine and, as he grows it, it is certainly a great addition to our list of Christmas plants.

Geo. Hollis is cutting some good blooms of his late yellow seedling chrysanthemum, Edgar Bochland.

Grobba & Wandrey are cutting the first jonquils of the season.

Dunlop is showing some *Harrisii*, the first in this vicinity.

H. G. D.

A Bit of Trade History.

It is an odd fact that the largest commission cut flower business in the west should have had its inception in the failure of two brothers to make a success of a retail store. It was in the spring of sixteen years ago that Flint and Amaza Kennicott started a flower store at 263 Wabash avenue, Chicago. It took but a few weeks to convince them that, no matter how thorough their horticultural knowledge, they had mistaken their calling; they then resolved to begin wholesaling, relying chiefly upon the garden flowers from the family homestead at The Grove, where Amaza Kennicott still lives and where Flint Kennicott spends his summers. The Kennicott Brothers started wholesaling in 1884 at 74 Washington street, where Marshall Field's new retail building now stands. The beginning was in a room nearly as large as the average wholesaler's ice box of to-day. At first it was necessary to go to the buyers with stock in a basket but soon some consignments were secured and since then the business has developed apace with the extension of commercial floriculture. C. W. Northrup, of LaGrange, was the first consignor to the firm and it is a matter of pride with them that they still handle his cut. After a time Flint Kennicott bought out his brother's interest but continued the business without change of firm name. At the time, now nearly ten years ago, when the experiment of a cut flower exchange was tried unsuccessfully in Chicago, Mr. Kennicott saw a decided

advantage in increased capital with which to push the business and he incorporated the Kennicott Brothers Company, with the result that a block of the stock soon passed into the hands of Edward E. and G. H. Pieser and they became associated with Mr. Kennicott in the active management of the business. E. E. Pieser has had a varied experience in the flower business and as a salesman has no superior. He is of an analytical turn of mind and his favorite occupation for leisure moments is the study of cause and effect as related to the state of the market. It is the function of the secretary to preside over the accounts of the firm, no inconsiderable task, but one so well within his grasp that he keeps things up-to-the-minute without reducing his comfortable avoirdupoise.

Minneapolis.

TRADE VERY GOOD.—PREPARATIONS FOR CHRISTMAS.—RETAILERS STOCKING UP WITH PLANTS.—CUT FLOWER PRICES HIGH.—VARIOUS ITEMS.

Trade was exceptionally good the past week, roses and carnations being in sufficient supply to satisfy all, with a shortage in violets. The retailers are busy decorating for Christmas, each trying to outdo the rest. A good many are stocking up with azaleas, primulas and other blooming plants, and state they will not stock very heavy in cut flowers, as the prices are too high. Beauties are the roses most in demand, with Brides and Bridesmaids available in surplus. There is always a good demand for Meteors and it seems to be the prevailing rose here, taken in preference to the Beauty. Plenty of design work keeps the culls cleaned up in nice shape. Carnations are in fine condition, Lawson, Joost, White Cloud and Mrs. Bradt being exceedingly good. They are bringing all the way from 50 cents to \$1 a dozen.

E. Nagel & Co. have a display of primulas in their window this week, fine plants, full of bloom and in a good, healthy state.

Miss H. B. Whitted has a pretty display of palms, ferns and blooming plants tastefully arranged with holly and

wreathing and causes many to linger and feast their eyes.

R. Will, whose specialty is carnations, reports trade excellent. He intends to enlarge his plant in the near future.

C. L. R.

Montreal.

LOCAL ORGANIZATION OF GARDENERS AND FLORISTS PLANS TO ESTABLISH PERMANENT HOME.—STATE OF SUPPLY AND DEMAND.

The Montreal Gardeners' and Florists' Club had a well attended meeting on December 10 at which it was voted to have the annual dinner in January. The club has determined to make an effort to procure a home of its own and a committee consisting of G. Robinson, J. McKenna, J. Bennett, H. Wilshire and W. Hall was appointed to further the project. Following the business meeting A. Pinoteau read an excellent paper descriptive of his trip to the Paris Exposition and the many horticultural things of interest he saw there.

Unfavorable weather is prevailing and stock is scarce. The skies are overclouded almost all the time and we have had a number of very cold days, so that all blooming is retarded. Chrysanthemums are becoming scarce. They sold out very well this season, especially the first-class blooms. It is the large flowers that are wanted this year. Carnations are not yet up to the standard but there is more call for them than we can supply. Roses, violets and mignonette are all in demand but are also poor in quality. Romans and Paper White narcissi are becoming plentiful.

G. V.

New Orleans.

TRADE VERY QUIET IN THE CRESCENT CITY.—DULL PERIOD BETWEEN SEASONS.—AT AUDUBON PARK.

For the last month business has been very slow. It is not far enough in the carnival season to expect many balls and decorations and it is too soon for the opening of trade on market plants, so we shall not have much to do for awhile. Beds of pansies, sweet alyssum, petunias,

phlox, etc., are seen here and there, for we have had no killing frosts thus far. Owing to the good weather, work is being pushed well forward everywhere.

At Audubon Park a chain of lakes and a wading pool for children have been decided upon by the commissioners. The board has also ordered a large number of trees, now in the nursery, to be taken out and distributed in the park where they are most needed, but it is more than likely that they will have to get many more from northern and western nurseries.

Mr. Good, of Good & Reese, Springfield, Ohio, has been in town. It was his first trip to the Crescent City.

M. M. L.

Marion, Ind.

KAISERIN KING VISITS THE GOOD GROWERS AT MARION.—EXCELLENT CHRYSANTHEMUMS EVERYWHERE.—CARNATIONS DOING WELL.

A few weeks ago, when chrysanthemums were occupying the center of the stage, I made a visit to Marion and was met at the depot by Gunnar Teilmann, who drove me to his greenhouses two and one-half miles north of the city. After a bountiful dinner we were escorted to a house 20x125 in which the Major Bonnaffons were truly a grand sight, well worth our journey. Nearly every bloom seemed to be an exhibition flower. After seeing these well finished flowers I am not surprised that Mr. Teilmann was a successful exhibitor at Chicago, Indianapolis and St. Louis. In another house of the same size we saw Mrs. S. T. Murdock, Mrs. H. Robinson, Mrs. O. P. Bassett, Vivian-Morel and several other varieties, all well done. Among the sorts on trial was Fee du Champsaur, which Mr. Teilmann regards as the best commercial white. He says that Bonnaffon is the most profitable commercial variety with him, as every bloom is marketable. I asked him how he managed to get Bonnaffons in a week or ten days earlier than most people. He said: "I think that is due to high feeding. I am a great believer in giving them lots of good food and I always attend to that myself." His rose plants were small but healthy and I judge they will be in good shape for Christmas. Carnations were very good and gave promise of a continuous crop all winter.

Mr. Teilmann drove us to Mr. Barnard's greenhouses. Here we were met by Ed. Bissell, the genial foreman, who showed us some extra fine Mrs. H. Robinson, grown in 10-inch pots, three plants to a pot and one flower to a plant. They were the largest and best finished Robinsons I ever saw, but unfortunately some of the lower petals showed signs of damping before they were quite finished. Vivian-Morel, Bonnaffon and several other varieties were grown on benches. Mr. Barnard has two houses of carnations which are in the best of health. America and Crane are remarkably fine, having been grown inside all summer. Mr. Barnard has this summer built two houses each 25x100 feet, which are located about half way between his old site and the Soldiers' Home. One house is planted in carnations and the other in roses; the carnations looked especially fine.

The Soldiers' Home was also visited. Here a large house of chrysanthemums was in full bloom and nearly every flower in the house would be a credit to any chrysanthemum show in our large cities. The varieties which produced the best

blooms here were Mrs. Robinson, Golden Wedding, Modesto, Niveus, Mrs. Murdock and Bonnaffon. Mr. Robinson is the successful grower. W. W. COLES.

Buffalo.

TRADE IS VERY BRISK.—CROP PROSPECTS FOR CHRISTMAS.—CLUB TAKES ACTION ON DEATH OF FOUNDER.—VISITORS.

Trade has been good and this week will be another busy one for receptions, although the florists would prefer that the social events come between Christmas and New Year's, when it is decidedly quiet. Carnations and violets are scarce and will be so for Christmas. Roses will be equal to the demand, although Beauties will not be in overstock and prices will be high. There is a surplus of holly, while pine is scarce. Laurel is in demand.

A special meeting of the Buffalo Florists' Club was called on Saturday to take action on the death of the founder of the club, W. J. Palmer. A motion was made that a wreath of lilies of the valley be sent by the club and that they all attend the funeral, which was carried. It was also moved that a committee of three be appointed to draft suitable resolutions and send to the family. President Kasting appointed Wm. Scott, D. B. Long and W. A. Adams on this committee.

Recent visitors: C. G. Guenther, Hamburgh; S. B. Smiley, Lancaster; F. G. Lewis, Lockport; S. S. Pennock, Philadelphia; H. B. Beatty, Oil City, Pa.; Phil. Breitmeyer, Detroit. W. A.

Bloomsburg, Pa.

A SPLENDID WHITE CARNATION.—OTHER GOOD STOCK.—AN ADVOCATE OF SUB-WATERING.—BRYFOGLE IS PROSPEROUS.

J. L. Dillon has a peerless white carnation in Queen Louise. It is all that need be in size and form of flower, length and strength of stem and strength of calyx; the color is pure and it is in crop continuously from October to June. Mr. Dillon is naturally pleased to show the variety to both retailers and growers. He is now offering cuttings. As usual Mr. Dillon is growing verbenas by the hundreds of thousands. Orders are already being booked for present and spring delivery. A stroll through the rose houses shows Liberty to have made splendid headway, showing a quantity of fine, long-stemmed buds. The plants look vigorous and healthy. There is a small lot of Sunrise, the new copper-colored rose introduced last season by the E. G. Hill Company. It is doing splendidly here and Mr. Dillon thinks it sure to rival Perle, if not displace it. During the summer very nearly all the benches in the establishment were equipped for sub-irrigation, in which Mr. Dillon has come to be a firm believer.

At W. C. Bryfogle's things are in the best of condition. Carnations are doing finely, especially Ethel Crocker. Roses, too, are good. Bedding stock of all sorts is grown in quantity here, the demand for the past few years having induced Mr. Bryfogle to largely increase his facilities in this direction. NOMIS.

ORANGE, N. J.—The New Jersey Floricultural Society has elected these officers: President, John Hayes, gardener to O. D. Munn; vice-president, Dieterick Kindsgrab, gardener to William Runkle; secretary, George Smith, gardener to S. M. Colgate; treasurer, Malcolm McRorie, gardener to Dr. H. A. Mandeville.

Tiffin, O.

NOTEWORTHY THINGS AT THE ULLRICH ESTABLISHMENT.—IMPROVEMENTS COMPLETED AND CONTEMPLATED.

One seldom calls on Lewis Ullrich without finding that gentleman with much to attend to. During my recent call it was a case of funeral work, a wagon load of it, there being three funerals in town that day. Something new is always going on at Mr. Ullrich's. The latest improvement is in the heating facilities. A new brick smoke stack is up and doing good work. It is a lofty monument to a florist's enterprise, being eighty feet tall and put up to stay. A new boiler room, with one of the finest of 100-horse-power boilers, was also finished during early autumn. Next on the list will be a modern asparagus house, one wherein strings can be grown to meet the requirements of the most fastidious decorator. It is Mr. Ullrich's intention to build this house during the coming summer. He is now growing 30,000 asparagus plants. As grown here the Golden Gate rose is a great thing. I have often wondered why this rose is not grown more extensively elsewhere. All the stock is doing well, both roses and carnations and miscellaneous plants. NOMIS.

West Hoboken, N. J.

Some of the best azaleas ever seen in this neighborhood at Christmas are blooming at John Rickert's. There are a large number of them but they will all go and there is an enormous quantity of bulbous stock ready to occupy the space as soon as vacated. That the smiling and popular proprietor is making money is very evident. For a place of the size the quantity of material turned out annually is astonishing. There are dracaenas, rubbers and small ferns, lilies, stevia, narcissi and Roman hyacinths packed into every available corner and the two new houses built this season are crowded to the limit with salable stock.

Otto Grundmann, of Seacaucus, has a smaller quantity of azaleas, etc. This grower makes a specialty of hardy roses in pots and Jacqs. for cut flowers. These are still in process of freezing. There are about 5,000 potted hybrids which will give a good account of themselves when the spring time comes.

Rudolph Asmus, whom everybody likes, is having good success with his roses this year. With the exception of Liberty they are all in fine shape. Growers generally are beginning to believe that Liberty must have bottom heat in order to be a success as a winter bloomer.

Over at Seacaucus, L. Nelson has a big supply of ferns, including Boston ferns in specimen sizes. He makes a specialty of small ferns in pans. The large variety of tough sorts now being grown makes these little assorted groups very popular for table adornment on account of their good keeping qualities.

Scranton, Pa.

The outlook for Christmas trade is hopeful and the craft is preparing for the usual rush and push, as it all comes at once, so unlike some other lines. The usual greens will be a feature in the early trade. There will be the usual cry of high prices for cut flowers, but the people are getting used to it and there is less complaint than formerly. The boys are all glad to see the cold weather come, as it makes everybody more lively. Trade in the coal fields was unusually dull this

summer and fall. The coal miners' strike and the after effect have hurt all lines of trade in the coal district more than the outside world knows and we want no more strikes here. The price of coal has gone up, and the large companies are buying up all of the individual coal operators, which will mean that the prices to the consumer in this region will be still higher.

Some of the growers in Scranton and Wilkesbarre have nice lots of well grown poinsettias in pots and fern pans.

T. B. McClintock added a house to his place this summer and Ira G. Marvin, of Wilkesbarre, added another range to his large place.

The stock at George E. Fancourt's and B. F. Dorrance's, on the Kingston flats, is exceptionally fine. These men grow mostly roses and they turn out good stock.

SCRANTONIAN.

Wilmington, Del.

Wm. H. Vance has been busy making additions and improvements at his plant, which now contains between 17,000 and 18,000 feet of glass. He has enlarged one house, making it 30x100, and has built another house 14x40 for forcing purposes. He grows chrysanthemums, asparagus, smilax and carnations especially and all his stock is looking well, as, for that matter, is the stock of every grower in Wilmington. In this neighborhood growers have not been bothered by stem-rot in carnations, as has been the case in other sections, and everybody seems to have a good crop coming on for Christmas. In carnations Ethel Crocker has done well with every one, and so has G. H. Crane. These two are good ones. With us Genevieve Lord is about like Crocker. Mrs. Lippincott, Mrs. Joost and Mack Richmond are doing splendidly and are sure to become standard sorts. The Marquis has not done so well but is coming along nicely now. Hill, Scott, McGowan and Cartledge are the stand-bys here.

X.

Mansfield, O.

If one is to judge by the various improvements made on the place since I last visited it, the Berno Floral Company is certainly moving forward. A brand new stable, a new system of hot water heating and a thorough overhauling of the entire plant were the work of the past season. Their new delivery wagon, a very useful as well as an ornamental affair, could not possibly be improved upon. Trade has been unusually good all through the season, cut flowers selling well at fair prices and funeral work and decorations of one sort or another helping to swell the volume of business. The Berno Floral Company had several excellent orders for designs for Senator Sherman's funeral.

NOMIS.

Birmingham, Ala.

Holiday trade promises to be equal to our trade of last Christmas, which was our largest since Lindsay opened the first retail flower store in Birmingham, about ten years ago. The sale for blooming plants has never been as large here as in northern cities of equal size, all calls being for cut flowers. Mrs. Lindsay has now six 100-foot houses, all in good condition. Her American Beauties are the only ones grown here and compare favorably with those at the north. A house of Brides, one of carnations and one of Marie Louise and Swanley White violets are fully up to standard.

F.

Columbus, O.

The A. W. Livingston Seed Company is pushing the bouquet green and holly business more than ever and a large force is at work on roping and holly wreaths. One of the best chrysanthemum seasons in the history of the firm has just been brought to a close. Miss Stubenrath, formerly with C. H. Roth, is now in the cut flower department at Livingston's.

Geo. L. Miller, of Newark, O., was a caller this week. He is very much taken with the new carnation, Columbus, a cross between Daybreak and Scott, which is doing so well at the Franklin Park Floral Company's place. S. S. Skidelsky has his eye on it and will no doubt control the whole stock. The flower is a shade deeper than Daybreak and it is a most prolific bloomer, producing flowers the size of a large Daybreak.

Gus. Drobisch is preparing for a large spring trade. He has a largemail trade, extending from the Atlantic to the Pacific. Mr. Drobisch is one of the best posted florists in the state.

CARL.

Harrisburg, Pa.

Roses, carnations and violets are scarce here just now, particularly the latter. Tea roses sell at from \$3.50 to \$6 per 100; Beauties, \$3 to \$6 per dozen; chrysanthemums, \$1 to \$3 per dozen. The largest growers here are J. D. Breneman, Gus Hanson, Robert Graham, John Schalteister and Mr. Parker. Wm. Miller, across the river, also has a considerable range and brings in some good stock. Most of the growers also do more or less retail business, but the Melrose Floral Company, Joseph Schmidt, Wm. Winters and others all report fair business, with good prospects for the holidays.

T. J. W.

Meridian, Miss.

The florist business is gradually increasing in the south and those in this vicinity who are well equipped are at present facing a prospect for a very prosperous season. Christmas trade promises to be good, a number of orders having been booked three weeks or more in advance. Both decorative and flowering plants promise to be in active demand as Christmas gifts.

John W. Marshall, Jr., has just completed an establishment costing \$3,000. It is up-to-date in every particular. He has benched 1,500 rose plants and 500 carnations, the rest of his space being devoted to miscellaneous stock.

M.

Lincoln, Neb.

At this date trade continues good, weather cloudy, cold and damp. A visit to Lincoln growers shows them to be busy and well cleaned out of stock. Carnations and roses are looking well, with good crops in sight. There is little in the line of blooming plants. Very few azaleas will be in for Christmas, but there will be a plenty of good palms. Boston ferns and rubbers to go around.

C. H. F.

Catalogues and Cut Flower Price Lists Received.

Vilmorin-Andrieux & Co., Paris, France, seeds and plants; C. Platz & Son, Erturt, Germany, seeds; Charles Sharpe & Co., Ltd., Sleaford, Eng., vegetable seeds; J. Hay & Sons, Brockville, Ont., plants and flowers; Edwin Utley, Toronto, Can., seeds; the Alabama Rose Gardens, Newbern, Ala., roses; F. Barteldes & Co., Lawrence, Kan., seeds; Ostertag Bros.,

St. Louis, Mo., greens; Rosedale Nurseries, Brenhan, Texas, trees, shrubs, etc.; Iowa Seed Co., Des Moines, Ia., greens; Nathan Smith & Son, Adrian, Mich., plants; Kennicott Bros. Co, Chicago, Ill., cut flowers; John B. Deamud, Chicago, Ill., cut flowers; Holton & Hunkel Co., Milwaukee, Wis., cut flowers and florists' supplies; E. H. Hunt, Chicago, Ill., cut flowers, seeds, etc.; C. C. Pollworth Co., Milwaukee, Wis., cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers; Wm. F. Kasting, Buffalo, N. Y., cut flowers and florists' supplies; E. C. Amling, Chicago, cut flowers.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Mondays of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. First Tuesday in January, at 8 p. m. W. K. Wood, Sec'y, W. Newton, Mass.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. First and third Friday of each month, at 8 p. m. Charles Hunt, Sec'y, 84 Randolph street, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. S. Bartlett, Sec'y, 313 East Second street.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Mondays of each month, at 8 p. m. A. H. Graham, Sec'y, 2549 Euc id avenue, Cleveland.

DES MOINES, IA.—Des Moines Florists' Club, at various florists' establishments. Last Monday in each month, at 8 p. m. J. T. D. Fulmer, Sec'y, 702 Walnut street, Des Moines.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Horticultural rooms, State House, Indianapolis. First Tuesday of each month, at 8 p. m. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House. Thursday evenings, at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-ninth street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg day Flower Co., 504 Liberty street. Second Tuesday of each month, at 8 p. m. T. P. Langhans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardener's Club of Rhode Island, 96 Westminster street, Providence. Second Thursday in each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 3 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 438 Spadina avenue.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge Sec'y 616 Washington street, Hoboken.

PROVIDENCE, R. I.—E. J. Johnston has opened a branch establishment at 8 and 10 Franklin street.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—8 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at \$1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

EASTER of next year, 1901, falls on April 7.

WE wish all our patrons a Merry Christmas and a Happy New Year.

DEFECTIVE heaters are the cause of many a disastrous greenhouse fire at this season.

THE circle of friends of Begonia Gloire de Lorraine is widening as rapidly as acquaintanceship with this meritorious subject spreads.

THE strike of the window glass makers has been declared off, the men acknowledging defeat, and production is now likely to be considerably increased.

THE new revenue law which has passed the lower branch of Congress does away with the penny stamp tax on express receipts, which has proved very annoying to florists.

IN addition to what will be found in another column respecting the new rose Robert Scott, it has been awarded honors wherever shown, namely, a certificate of merit and silver medal by the Pennsylvania Horticultural Society, a preliminary certificate of merit by the American Rose Society, and a certificate of merit in Ireland, the Messrs. Scott having forwarded plants two years ago to Alexander Dickson & Sons, Belfast.

The Holly Bough.

From every hedge is pluck'd by eager hands
The holly branch with prickly leaves replete
And fraught with berries of a crimson hue;
Which, torn asunder from its parent trunk,
Is straightway taken to the neighboring towns,
Where windows, mantels, candlesticks, and shelves,
Quarts, pints, decanters, basins, jugs,
And other articles of household ware,
The verdant garb confess.

—Gardeners' Magazine.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Arthur Griffin, Newport, R. I., registers new rose Freedom, a sport from Liberty, identical with that variety in every respect except color, which is a bright rose, the reverse of petals deep rose.

WM. J. STEWART, Sec'y.

How to Make Home Happy.

A recent purchase of a \$2 palm, sickly and frail, carried in its train a demand for a \$7 jardiniere and a \$3 tabourette. The fire must now be kept up nights for it, and every time the owner's husband passes the palm, he shakes a fist at it.—*Atchison Globe.*

Worth Double Price.

AMERICAN FLORIST Co.:—We would not be without your paper for twice the amount it costs. LORD & JOHNSON.
Owatonna, Minn., Dec. 14, 1900.

Greenhouse Building.

Farmington, N. H.—J. A. Fletcher, one house.

West Medford, Mass.—Geo. H. Bean, two houses.

Newtown, Pa.—W. T. Hillborn, house 25x85.

Woods Holl, Mass.—H. H. Fay, conservatory.

Indianapolis, Ind.—A. Pahud, office and two houses.

East Haven, Conn.—John A. Long, house 20x125.

Quincy, Ill.—Joseph F. Kroner, rose house.

A Disclaimer.

ED. AM. FLORIST:—It may possibly interest you to know, for the benefit of your readers, that plant agents have been operating in Indiana, at least, as representing a firm located at Shaw's Garden, St. Louis, Mo. One such party is said to have given the name of G. A. Sawley & Company. If you care to protect your readers who may be subject to similar misrepresentations, kindly announce that "Shaw's Garden," as the Missouri Botanical Garden is popularly called, is not a commercial establishment, does not sell plants or have agents on the road, and knows nothing of persons making representations similar to those that are here referred to. WM. TRELEASE,
St. Louis, Dec. 14. Director.

American Carnation Society.

E. T. Grave, Richmond, Ind., registers, Dorothy; color pink, Scott shade; flower large and symmetrical, built out nicely in center; calyx strong, never bursts; stems long and stiff, being well able to support the flower; a continuous and very free bloomer from early until late; an excellent keeper and shipper.

Dorothy is a duplicate name of an old variety, but the above has been shown and advertised before being registered and there being none of the former Dorothy grown at this date, the name is practically new. If growers of new carnations would register the names before giving them to the public, duplication could be avoided to a great extent.

ALBERT M. HERR, Sec'y.

Trouble With Chrysanthemums.

ED. AM. FLORIST:—During the past season some of my chrysanthemums when in bloom, began to spot and a great many of the flowers were spoiled. It was like a damping off of the petals. Some varieties suffered more than others. Will you please state the cause of this and how to prevent it, as I would not like to have it happen again. W.

The trouble above mentioned may well be called the chrysanthemum bloom blight. It is due to a fungus that ordinarily does not affect living plants, but is common upon dead vegetable matter and usually abundant in the refuse heap, where it helps to decompose the rubbish. The chrysanthemum flowers, as they obtain age, are not able to withstand the growth of this fungus and the only treatment is to exclude the spores of the pest from the showy heads of bloom. It is likely that the complainant has refuse somewhere near his chrysanthemums,

where the enemy is propagated. Let him see to it that all rubbish is located a long distance from his chrysanthemums.

BYRON D. HALSTED.

Some Recent Fires.

QUEENS, N. Y.—A greenhouse belonging to Dr. B. F. Sill was damaged \$150 by fire December 16.

WEST ORANGE, N. J.—The greenhouses and contents at the John Crosby Brown place were destroyed by fire on the morning of December 14.

HARTFORD, CONN.—The greenhouse owned by Mrs. Jane L. Wheeler was totally destroyed by fire at midnight December 15. The loss was \$3,000, with \$500 covered by insurance.

SOMERVILLE, N. J.—The greenhouses of Houston & Norton were totally destroyed by fire on December 12, the loss being estimated at about \$6,000. The fire was caused by the explosion of a boiler.

TORONTO, ONT.—The greenhouses at Mount Pleasant Cemetery were destroyed by fire at three o'clock on the morning of December 15. The stock was a total loss. The houses were heated by the old-fashioned flue system.

TORONTO, ONT.—The greenhouses at 41 Shirley street owned by J. Badgerow and occupied by H. J. Allen, took fire December 13. The loss on the structure was small but the cold spoiled \$500 in stock. There was \$300 insurance on the buildings and \$1,400 on the contents.

FALL RIVER, MASS.—The greenhouses of Edwin Fernley, with tenement house adjoining, was badly damaged by fire on the morning of December 10. The loss, amounting to about \$2,000, is covered by insurance. An over-heated pipe is believed to have been the cause.

POUGHKEEPSIE, N. Y.—On the night of December 14 a fire originating in the boiler room at M. J. Lynch's place damaged two houses adjoining. One house contained 2500 carnation plants, the other 1500 Harrisii. It is thought this stock is a total loss and that the stock in the other hands was more or less injured by the derangement of the heating facilities.

To Carnation Raisers.

Mrs. J. Montgomery Sears offers through the Massachusetts Horticultural Society the following special prizes:

For the best seedling carnations originated subsequent to 1900, to be judged at three exhibitions in Horticultural Hall, Boston, in November, February and April, six blooms to be shown, and at three exhibitions in each November, February and April thereafter, twenty-five blooms to be shown, competition limited to the originators of the varieties exhibited and to continue until one variety has won first place consecutively throughout two seasons, a cash prize of \$250, and for the variety having scored next nearest to the above requirements, to be awarded at the time the first prize is awarded, a cash prize of \$100.

Judging to be according to the following scale and recognition to be accorded only to varieties scoring 85 or more points:

	SCALE OF POINTS.
Fractance.....	20
Color.....	20
Form.....	20
Size.....	20
Stem.....	15
Calyx.....	5
Total.....	100

The first competition under the above specifications will take place on the second day of the chrysanthemum exhibition at Boston, November 6, 1901. For any further particulars address the chairman of the schedule committee, Wm. J. Stewart, Horticultural Hall, Boston, Mass.

OBITUARY.

W. J. PALMER, SR.

The dean of the Buffalo florists passed away on Thursday, December 13, after only a few days of illness. William J. Palmer, Sr., was born at Cheltenham, England, in 1835, and came to this country at the age of 19, locating at Buffalo, where he entered the employ of Porter Thompson. He has been a familiar figure in the horticultural life of the Pan-American city for almost half a century, and few men can number more friends than he, either in or out of the profession. It was in 1860 that Mr. Palmer embarked in business for himself, upon a location which is now a part of the public park system and from which he removed a number of years ago, to Lancaster, Erie county, where he has since developed an establishment of 150,000 feet of glass which is devoted entirely to the growth of cut flowers. The firm of W. J. Palmer & Son has maintained a retail store at 304 Main street, where a splendid business has been done under the management of W. J. Palmer, Jr. The firm has long enjoyed a reputation as producing the best of stock in their various lines and Mr. Palmer has given very close attention to the growing department. He was a florist of the old school, one who has lived through the changing conditions which have brought the trade from the crude state in which it was when he first embarked in business to the perfection of the present day. He delighted in his profession and took rare pleasure in discussing trade topics with his contemporaries. He was one of the best liked men in the city and the obsequies on Sunday afternoon, December 16, were attended in a body by the Buffalo Florists' Club. Interment was in the family lot in Forest Lawn Cemetery. Mr. Palmer leaves a son and two daughters.

Babylon, L. I.

A recent visit to the fine establishment of E. B. Sutton disclosed the fact that this gentleman has developed into a big carnation grower, the entire range once devoted exclusively to violets being now, with the exception of three houses, in carnations alone. As elsewhere on Long Island, the soil here seems to be very congenial to the carnation, and one seldom sees a lot so uniformly good in every respect as are these. Not a trace of stem-rot or of any of the other ailments that torment the average grower is to be seen on the place. The finest variety at present is White Cloud and here, at least, Flora Hill is distanced in every particular by this superb carnation. Another variety seen in perfection is G. H. Crane, from which a good Christmas return is assured. Scott is also in full flower and making good profits at present. The Marquis looks fat and promising but has not come into bearing yet. Mrs. Bradt is equal to the best ever shown of this sterling variety. Altogether Mr. Sutton would seem to have made a wise move

in changing his establishment to carnations. There is a good market always in New York for the quality he is turning out.

HARTFORD, CONN.—The Hartford Florists' Club has elected the following officers: President, T. J. McDonalds; vice-president, W. W. Hunt; treasurer, D. A. Spear; secretary, J. F. Coombs; trustees, John Coombs, George Osborn and G. W. McClunnie.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2920 South Park Ave., Chicago.

SITUATION WANTED—By rose grower and plantsman. South-west preferred. WESTRALIAN, care American Florist.

SITUATION WANTED—By an experienced gardener, single man. References given. NATHAN F. HADDEN, 6 Alpine St., Roxbury, Mass.

SITUATION WANTED—As second gardener or assistant in commercial place, by industrious man; 16 years' experience. Good references. V S, care W. J. Stewart, 67 Bromfield St., Boston.

SITUATION WANTED—By a first-class grower of roses and general stock, single, middle aged. Can take charge; good reference. State wages without board. Address ILLINOIS, care Am. Florist.

SITUATION WANTED—By a practical grower thoroughly competent in every branch of the trade; steady and sober; best of references; age 26. Address CHICAGO, care American Florist.

SITUATION WANTED—By first-class grower of cut flowers, roses especially. Capable of growing high grade stock. Fifteen years' experience; best of references. CUT FLOWERS, care Am. Florist.

SITUATION WANTED—By first-class Beauty grower. Also understands growing all flowers of tea roses, carnations, etc. 15 years' experience; best of references. Address ROSES, care Am. Florist.

SITUATION WANTED—By you-g man 38, with steady habits, in store or greenhouse; 2½ years' experience in former, 8 months in latter. Chicago or west preferred. Make offer at once; state work. X Y, care American Florist.

SITUATION WANTED—By a lady of experience, I would like a situation in a retail greenhouse, or in a store where flowers are made up; can be useful in all branches pertaining to the business. Address LADY, care American Florist, Chicago.

SITUATION WANTED—By first-class gardener, married, for private place; expert in growing roses, carnations, mums and general green use plants. Best references from Germany, Holland, Switzerland and this country. Address V, care American Florist.

SITUATION WANTED—By young florist on commercial place; single; 26 years of age; speaks German and English; well up in growing of cut flowers, winter flowering and spring bedding plants. References; Chicago or vicinity preferred. Please state wages. W R, care American Florist.

WANTED—Experienced rose grower, section man. Address S. J. REUTER, Westery, R. I.

WANTED—A first-class man for propagating and grafting roses. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—Boy to learn the growing of roses and carnations. State age. Address JOHN L. WYLAND, DeHaven, Pa.

WANTED—Good, single man for general greenhouse work. State references, etc., first letter. FREMONT GREENHOUSES, Fremont, Neb.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, La Rose Gardens, Memphis, Tenn.

WANTED—A competent, reliable florist for general greenhouse work. A steady position. State references and wages with board. Address F. J. NORTON, Bucyrus, Ohio.

WANTED—Reliable, competent grower on commercial place. Steady employment for right man. State experience, wages, etc. Address CENTRAL GREENHOUSES, Sandusky, O.

WANTED—Competent man in roses, carnations, mums ferns and general stock, to take charge of 20,000 feet glass. Address with references, wages, etc. E, care American Florist.

WANTED—A man not less than 21 who has some experience in growing general stock; wages to begin \$20 and board. Address L. KOROPP, Wellington and W. Ravenswood Pk. Ave., Chicago.

WANTED—At once a good reliable man to work in greenhouses, must understand the growing of cut flowers, also bedding plants. Wages \$25 per month with board; German preferred. Address E. J. BOLANZ, Akron, O.

WANTED—1200 feet of 2-inch steam pipe, second hand, in good condition for steam heating also one steam second hand boiler with capacity for 1150 feet of radiation. American boiler preferred. C. L. VAN METER, Monticello, Iowa.

WANTED—Partner, two thousand dollars to increase plant (just built this year), for overwhelming demand at fancy prices. One conversant with roses, carnations and mums growing preferred. Address J. H. HARRELL, Little Rock, Wash.

WANTED—To buy, on terms, good greenhouse property 4000 or 5000 feet of glass, heated by hot water, suitable for retail trade. No other offers considered. State particulars. Boston vicinity or state of Massachusetts preferred. Address E. H., care American Florist.

WANTED—Working foreman, one who thoroughly understands the growing of cut flowers and plants—particularly Am. Beauties, roses, mums, etc.—in an establishment of 65,000 square ft. of glass. Good position for competent man. Address PHILO, care American Florist.

WANTED—Florist who can take charge of a plant of 10,000 feet of glass, who understands growing roses, carnations and general bedding stock. Must be strictly sober and honest. Married man preferred. Good wages guaranteed. Answer at once care of JOHN DEGNAN, of Vaughn's Seed Store, Chicago.

FOR SALE—Greenhouse property, 35,000 ft. of glass, well stocked with roses, carnations, smilax and bedding plants; steam heat, city water, street cars to door; excellent shipping facilities; situated in Northern Ohio. A bargain if sold soon. If you mean business, address OHIO, care American Florist.

FOR SALE—Standard, cast iron sectional boiler No. 10 used but one season; was too large. Steam or hot water; will carry 1600 square feet of radiation on steam and 2650 square feet on water. No brick work required. As good as new. Price low. Address CHAS. FOTTLER, 63 Canterbury St., Dorchester, Mass.

WANTED.

A general man for greenhouse work. Must be sober and industrious. Address

FRED. B. BARRINGTON, Gloucester, Mass.

Situation Wanted.

By first-class rose grower and grafter, also up-to-date in carnations and general stock, capable of taking charge, have been in last place for three years; age 30; German, Eastern states or Chicago preferred. Can produce references. Please state wages when writing. Address J. G. SCHUEMANN,

61 Stockton Street, - BROOKLYN, N. Y.

WANTED---To Rent.

A responsible grower in business for himself for the past five years, with sufficient capital, is looking for different location and would like to rent a place with privilege to buy. Place doing retail business and located in good sized town preferred. Small places need not answer unless there is plenty room to build more. Can take possession February or June. Give full particulars. Address S M J, care American Florist.

FOR SALE. Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 6 of carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE. GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,
233 Mercer St. NEW YORK.

Milwaukee.

Florists are obliged to divide holly trade with grocers again this season, the produce commission men have so much of it consigned to them.

George Volk has opened up again, this time with Home Bros., grocers, on Mason street.

William Edlefesen is doing some newspaper advertising for holiday trade. C. B. W.

RUTLAND, VT.—Chas. Miles has added a ladies' waiting room to his green-houses.

Wholesale Flower Markets

CINCINNATI, Dec. 20.

Table listing flower prices in Cincinnati: Roses, Beauty, Bride, Bridesmaid, Meteor, Perle, Carnations, Violets, Lily of the valley, Smilax, Adiantum, Common ferns, Asparagus, Galax leaves, Roman hyacinths, Narcissus, Poinsettias.

St. Louis, Dec. 20.

Table listing flower prices in St. Louis: Roses, Beauty, Bride, Bridesmaid, Meteor, Perle, Carnations, Lily of the valley, Smilax, Adiantum, Galax leaves, Violets, Stevia.

MILWAUKEE, Dec. 20.

Table listing flower prices in Milwaukee: Roses, Beauty, long, med, short, Bride, Bridesmaid, Meteor, Golden Gate, Perle, Carnations, ordinary, fancy, Adiantum, Common ferns, Smilax, Asparagus, Galax leaves, Violets, Stevia.

PITTSBURG, Dec. 20.

Table listing flower prices in Pittsburgh: Roses, Beauty, fancy, extra, No. 1, culls, Bride, Bridesmaid, Meteor, Perle, Cusin, Liberty, Carnations, ordinary, fancy, Violets, Paper White narcissus, Romans, Lily of the valley, Smilax, Adiantum, Asparagus, Sprengerii, Galax, green and bronze, Dagger ferns, Chrysanthemums, ordinary.

DENVER, Dec. 19.

Table listing flower prices in Denver: Roses, Beauty, select, ordinary, Bride, Bridesmaid, Meteor, Perle, Wootton, Carnations, ordinary, fancy, Lily of the valley, Callas, Hartsii, Violets single, doubles, Galax Leaves, Asparagus, Smilax, Ferns, per 1000.

J. B. DEAMUD,

.....51 Wabash Avenue, CHICAGO,

WANTS YOUR BUSINESS,

Whether it be Consignments or Orders.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

HOLTON & HUNKEL CO., Wholesale Cut Flowers--

457 Milwaukee Street.

MILWAUKEE, WIS.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Street,

ALL FLOWERS IN SEASON.

PITTSBURG, PA.

Wholesale Store, Minneapolis, Minn.,

Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. BRANT & NOE. Minneapolis, Minn.

JNO. H. DUNLOP, CHOICE Cut Flowers

All orders receive most careful attention.

TORONTO, ONT., CANADA.

Six prizes American Rose Society, New York City.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Takes the place of Araucaria Excelsa; sells everywhere and everybody is pleased with it: it is a money maker. Strong stock, from 2-in. pots, \$5.00 per 100; or send \$1.00 for a sample and you will soon want more. E. I. RAWLINGS, Quakertown, Pa.

...GEO. M. KELLOGG... Largest Grower of... Cut Flowers in the West.

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

Please mention the American Florist when writing.

JOHN B. FERGUSON, Wholesale Florist,

NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

Please mention the American Florist when writing.

WHERE are you going to ? Our stock is buy your Holly ready for shipment. Sample 10 pound box, \$1. Send for it. It's strictly fine. Caldwell The Woodsman Co., Evergreen, Ala. P. S. We also sell some Wild Smilax.

Your Advertisement

will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in

The Best Drummer.

The American Florist.

Whatever may be your urgent needs in Christmas stock, I want your

TELEGRAPH ORDERS.

I can fill them if anyone can; please remember that. We are particularly well stocked on long Beauties. ❁ ❁ ❁ ❁ ❁ ❁

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street, CHICAGO, ILL.

Long Distance Phone 1977 Central.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

CHRISTMAS PRICE LIST.

BEAUTIES	
Long stem, 36 to 48 inches, per doz.,	\$12.00
Stems 24 inches.....	10.00
" 20 ".....	8.00
" 15 ".....	6.00
" 12 ".....	4.00
Short stems.....	1.50-2.00
Brides..... per 100,	12.00-15.00
Meteors, Maids.....	15.00-18.00
Perles.....	10.00-12.00
Roses, good seconds.....	6.00-8.00
Carnations, standard sorts.....	4.00-5.00
Fancy sorts.....	6.00-8.00
Callas..... per dozen,	1.50-2.50
Romans..... per 100,	3.00-4.00
Paper White.....	4.00-5.00
Valley.....	5.00
Violets.....	2.00-3.00
Mignonette..... per doz.,	.50-.60
Asparagus..... per string,	.75
Galax, green, 1000, \$1; 10,000 for \$7.50; per 100,	.15
" bronze,..... per 1000, \$1.50; "	.20
Ferns, per 1000, \$1.50..... per 100	.20
Leucothoe sprays.....	.75
Adiantum.....	1.00-1.25
Smilax..... per dozen,	1.50-2.00
Wild Smilax, parlor brand..... per case,	3.25
" " medium.....	4.25
" " large.....	5.50

WIETOR BROS.

51 Wabash Ave., CHICAGO.
WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Christmas Price List.

AMERICAN BEAUTY.

Extra long stem..... per doz.,	\$12.00
30-in. stem.....	10.00
24 ".....	8.00
20 ".....	6.00
15 ".....	4.00
12 ".....	3.00
8 ".....	2.00

METEOR..... per 100,	\$12.00 to \$15.00
BRIDESMAID.....	12.00 to 15.00
BRIDE.....	12.00 to 15.00
PERLE.....	8.00 to 10.00
CARNATIONS, good.....	4.00
" Fancy.....	5.00

Quotations subject to change without notice. All other stock at lowest market prices.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

Benthey & Co.

F. F. BENTHEY, Manager.

Wholesale Commission Florist
41 Randolph Street, CHICAGO.

Consignments solicited.....
Please mention the American Florist when writing.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

A. H. POEHLMANN,
Wholesale Grower of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

55 Wabash Avenue, CHICAGO.
Please mention the American Florist when writing.

Wholesale Flower Markets

CHICAGO, Dec. 20. CHRISTMAS PRICES.	
Roses, Beauty, extra long stems	12.00
" " 30 " "	10.00
" " 24 " "	8.00
" " 20 " "	6.00
" " 15 " "	4.00
" " 12 " "	3.00
" " short	2.00
" Bride, Bridesmaid.....	12.00@15.00
" Meteor.....	12.00@15.00
" Perle.....	8.00@10.00
" Golden Gate.....	15.00@20.00
Carnations.....	4.00@5.00
" fancy.....	6.00@8.00
Chrysanthemums, per doz. 2.00@4.00	
Violets.....	2.00@3.00
Lily of the valley.....	4.00@5.00
Adiantum.....	.75@1.25
Common ferns..... per 1,000	2.00
Smilax..... per dozen	1.25@2.00
Asparagus... per dozen	7.50@10.00

CUT FLOWERS.

ROSES CARNATIONS and CHRYSANTHEMUMS, regular or special supply. First-class stock at lowest wholesale prices.

W. H. CULLETT & SONS, Lincoln, Ill.

We like to have you tell our advertisers that you read our paper

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE
CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

BUY BOSTON FLOWERS. THEY'RE ALL RIGHT.
 They ship well and they sell well.

The Best Quality Cut Flowers, the Finest Christmas Holly and a Full Line of Florists' Supplies. * * *

GEO. A. SUTHERLAND,

SEND FOR PRICE LIST.
 TELEPHONE 1270 BOSTON.

67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. | Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES.
 Block Letters, \$2 per 100. Script Letters, \$4 per 100. | Acknowledged by all florists the best in use. Special prices for doz. lots.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade
 With Highest Grade

**ROSES, GARNATIONS,
 CHRYSANTHEMUMS,
 VIOLETS** and all flowers the
 Boston market affords.

PRICES RIGHT AND PACKING PROPERLY DONE.

N. F. McCARTHY & CO.,

Tel. 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing.

**Frank M. Ellis,
 WHOLESALE FLORIST,**

1402 Pine Street, ST. LOUIS, MO.
 CONSIGNMENTS SOLICITED.

**H. G. BERNING
 Wholesale Florist,**

SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.
 Please mention the American Florist when writing.

**C. A. KUEHN,
 Wholesale Florist,**

1122 PINE STREET,
 ST. LOUIS, MO.

A complete line of Wire Designs.

**The Cincinnati
 Cut Flower Co.,**

416 Walnut St., CINCINNATI, O. **WHOLESALE FLORISTS.**
 Consignments Solicited.
 Special Attention Given to Shipping Orders.

Wholesale Flower Markets

BOSTON, Dec. 19.	
Roses, Beauty, extra	40.00@60.00
" " medium	15.00@25.00
" " culls	6.00@10.00
" Bride, Bridesmaid, Meteor, extra	4.00@ 6.00
Carnations	10.00@20.00
" extra	2.00@ 3.00
Paper White narcissus, Roman	3.00@ 4.00
hyacinths	1.50@ 2.00
Lily of the valley	2.00@ 4.00
Mignonette	3.00@ 4.00
Stevia	1.00@ 1.50
Violets	1.00@ 1.50
Adiantum	.75@ 1.00
Smilax	8.00@12.00
Asparagus	50.00
" Sprengerii, 20@ .25 per bunch	
PHILADELPHIA, Dec. 19.	
Roses, Tea	2.00@ 4.00
" " extra	6.00@10.00
" Beauty, extra	20.00@30.00
" " firsts	8.00@15.00
Carnations	1.00@ 1.50
" fancy	2.00
Lily of the valley	3.00@ 5.00
Chrysanthemums	5.00@20.00
Violets, single	.25@ .75
" double	.50@ 1.00
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00
BUFFALO, Dec. 20.	
Roses, Beauty	40.00@75.00
" Bride, Bridesmaid, Meteor	7.00@10.00
" Kaiserin	6.00@ 7.00
Carnations	1.50@ 3.00
Lily of the valley	4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Chrysanthemums	10.00@20.00
Violets	2.00@ 2.50

**Woodroffe & Bernheimer,
 Wholesale Florists**

1604 LUDLOW STREET,

PHILADELPHIA.

Phone 1-42-69-A. Consignments Solicited.
 Please mention the American Florist when writing.

**LEO. NIESSEN,
 Wholesale Florist,**

N. W. COR. 13TH AND FILBERT STREETS,
 PHILADELPHIA, PA.
 LONG DISTANCE PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

**Geo. M. Moss,
 WHOLESALE FLORIST,**

32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-28 D.

Consignments of Roses, Carnations, Violets solicited.

**CHAS. B. STAHL
 Wholesale Florist,**

27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephons will receive prompt attention.
 Consignments of good stock solicited.

GIVE US A TRIAL. WE CAN PLEASE YOU.



Open day and night.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist.
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

Try the New Flower Commission House

WATERBURY & CO.,

48 W. 30th St., NEW YORK CITY.

Correspondence with Growers Solicited.

I can dispose of the product of one more large Rose Grower to mutual advantage. Write now.

A. H. LANGJAHR, 19 Boerum Place, Brooklyn, N. Y.

TOP GRADE Carnations

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties. SHIPPING a SPECIALTY. Price list on application.
TELEPHONE 2065 MADISON SQUARE.

BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Telephone 2200 Madison Square. 57 W. 28th. St., NEW YORK CITY.
...LIBERTY, BEAUTY AND OTHER CHOICE STOCK...
—BEST IN THE COUNTRY.—

JOHN YOUNG

Has the best BEAUTIES, CARNATIONS, VIOLETS AND VALLEY in New York.

TRY A SHIPMENT OR TWO. All Choice Flowers daily.

51 West 28th St., NEW YORK. Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER, 30 West 29th Street.

New Telephone No. 551 Madison Square.

FRANK MILLANG, CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange, NEW YORK. Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry. Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.

TELEPHONE 733-18th.

Choicest Stock Shipped on a Commission.

Rose, Violet and Carnation Growers, Consign to

M. A. HART,

44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange. New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Dec. 19.

Roses, Beauty, select.....	20.00@50.00
" " medium.....	8.00@15.00
" " culls.....	3.00@ 5.00
" Bridesmaid, Bride, Meteor	2.00@ 4.00
" " select.....	6.00@12.00
Carnations.....	1.00@ 2.00
" fancy.....	3.00@ 6.00
Lily of the valley.....	3.00@ 4.00
Poinsettias.....	15.00@25.00
Smilax.....	10.00@12.00
Asparagus.....	25.00@40.00
" Sprengeri, per doz. bun.	.75@1.00
Adiantum.....	.50@ .75
Violets.....	.75@ 1.00
" special.....	1.50@ 2.00
Paper White narcissus.....	1.50@ 2.00
Gardenias.....	25.00@50.00
Cypripediums.....	8.00@10.00
Mignonette.....	4.00@ 6.00
Roman hyacinths.....	1.00@ 1.50

Headquarters of the Hustler CHAS. MILLANG,

WHOLESALE

Commission Florist

50 West 29th St., NEW YORK.

Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.

GROWERS and FLOWER BUYERS. Write for Terms and Quotations.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

52 W. 29th Street, NEW YORK CITY. Telephone 1738 Madison Square.

The New York Cut Flower Co.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

Telephone 733-18th. NEW YORK.

CONSIGNMENTS SOLICITED. Special Attention Given to Shipping Orders.

GEORGE SALTFORD, Violets

...Wholesale... Commission Dealer In

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed. Correspondence Solicited.

FORD BROS.

...Wholesale Florists

111 West 30th Street, NEW YORK.

BIG FRAGRANT VIOLETS. 'Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT, Wholesale Commission Florist and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street, Telephone 1438 Madison Square. NEW YORK.

Consignments Solicited.

Cut Flowers, all varieties and all grades, at New York market rates.

M. A. HART,

44 W. 29th St., NEW YORK CITY.

You Can Make Money By Dealing With

J. K. ALLEN,

The Busiest Wholesaler in New York.

Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq.

106 West 28th Street.

Season Open

EDW. C. HORAN,

Special in Roses:

Violets 'Mums Gardenias

Tel. 421 Madison Square,

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

Liberty, Pres. Carnot Kaiserin, Meteor, Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLOGANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conu., Sec'y and Treas.

F. BARTELDES & Co., of Lawrence, Kansas, are again the early birds with their catalogue.

We understand that the space allotted to Peter Henderson & Co. and Vaughan's Seed Store at the Pan-American Exposition has been confiscated by the exposition authorities for other purposes.

A COMMITTEE of seedsmen from the Seedsmen's League visited the United States Senate at Washington, December 20, to protest against further appropriations for free distribution of seeds by the government.

BURNET LANDRETH's circular contrasting the proposed ship subsidy and the government seed distribution has received editorial attention in many of the great newspapers of the country, most of which pronounce the continuation of the free seed distribution wholly indefensible.

THE Iowa Seed Co., of Des Moines, Ia., reports that indications are very favorable for next season's trade. This concern has erected a large seed warehouse on South Eighth street. The building consists of three stories and basement, and is located so near the railroad track as to be very convenient for carload shipments.

CAPTAIN A. S. ROWAN, who "carried the message to Garcia," and who is now located on the Island of Cebu, in the Philippines, has written to his home in Atchison for onion, lettuce and radish seeds. He writes that the troops have no fresh vegetables except onions and potatoes shipped from the United States. —Topeka Breeze.

That Government Seed Shop.

The Seedsmen's League is out with a circular, dated December 12, urging action against this long suffered wrong against the trade, as follows:

The most effective move which can be made towards cutting out the "seed purchasing section" of the agricultural bill will be to bring a pressure to bear, firstly, upon the agricultural committees of both the senate and the house, and secondly, upon the appropriation committee of the house. The names of these various members are as follows:

SENATE AGRICULTURAL:—Redfield Proctor, Vt.; Henry C. Hansbrough, N. D.; Francis E. Warren, N. Y.; Addison G. Foster, Wash.; Wm. B. Bates, Tenn.; Heruando D. Money, Miss.; Wm. V. Allen, Neb.

HOUSE AGRICULTURAL:—J. W. Wadsworth, N. Y.; E. Stevens Henry, Conn.; Wm. B. Baker, Md.; Wm. Lorimer, Ills.; Wm. Connell, Pa.; Geo. H. White, N. C.; Willis J. Bailey, Kans.; F. C. Wright, Pa.; Gilbert N. Haugen, Iowa; Hermon B. Dahle, Wis.; Jno. S. Williams, Miss.; J. W. Stokes, N. C.; Jno. Lamb, Va.; James Cooney, Mo.; Robt. B. Gordon, Ohio; Wm. Neville, Neb.; Jno. F. Wilson, Arizona.

HOUSE APPROPRIATION:—Joseph G. Cannon, Ills.; Henry H. Bingham, Pa.; Wm. W. Groat, Vt.; James A. Hemenway, Ind.; Samuel S. Barney, Wis.; Wm. H. Moody, Ky.; Henry C. Van Voorhis, O.; Samuel J. Pugh, Ky.; James T. McCleary, Minn.; Lucius N. Littaner, N. Y.; Leonidas F. Livingston, Ga.; Thos. C. McRae, Ark.; Jno. M. Allen, Miss.; Jno. C. Bell, Col.; Rice A. Pierce, Penn.; M. E. Benton, Mo.; Robt. W. Taylor, Ohio.

Letters addressed in protest to these members will have some influence, possibly more than credited. The effort is worth the trouble. Will you do it? If so act promptly.

BURNET LANDRETH, Secretary.

It is to be hoped that every seedsmen who reads this will at once write to any member of congress mentioned above from his own state, or with whom his letter might have some influence, and report to Mr. Landreth at Philadelphia what he has done.

The Leonard Insurance Cases.

We are advised that the insurance cases of S. F. Leonard, of Chicago, which are yet to come up comprise less than one-third of Mr. Leonard's total loss, the other two-thirds having been already settled. There are five or six more cases to come to trial and Judge Kohlsaatt, who rendered the decision referred to in our last issue, must have some doubt as to the position he took in the first case as he has now turned over the other cases on the docket to Judge Seaman. Mr. Leonard's attorneys have appealed the first case and are confident that they will reverse it.

The Government Seed Contract.

Secretary Wilson, of the Department of Agriculture, has placed the government seed order with the New York Market Gardeners' Association at \$101,975.59. The last contract, that for 1901, was awarded to Charles Parker, Santa Clara, Cal., at \$64,900 and the order for 1900 was executed by the New York Market Gardeners' Association on a bid of

\$70,980. The other bidders for the order for 1902, and their bids, are as follows:

Market Gardeners' Association, New York	\$101,975.59
Phillips Seed and Implement Company, Toledo, O.	113,065.87
California Seed Growers' Company, San Francisco	118,000.00
E. J. Weatherly, Marquette Building, Chicago	119,765.00
Ullathorne Seed Company, Memphis	119,957.00
German Seed and Plant Company, Los Angeles	122,000.00
Sioux City Seed and Nursery Company, Sioux City	130,000.00
J. L. Schiller, New York	150,000.00

MAYVILLE, N. Y.—J. Ruland has given up the Baldwin greenhouses and moved to Westfield.

RACINE, Wis.—A. J. Fidler reports the prospects for Christmas trade far ahead of last year. He expects to double last year's sales. The call is all for first-class stock, inferior grades being unsalable.

TRINIDAD, COL.—George Paget, who has for many years been connected with the greenhouses of C. S. Thorp & Son, has secured control of the place under lease and will hereafter conduct it under his name.

Special Offer of FERNS and PALMS

MAIDEN HAIR FERNS (Cuneatum) fine stock in 3-in. pots	.....\$8 per 100; 4½-in. pots, \$10 per 100.
ASPARAGUS PLUMOSUS NANUS, fine thrifty plants, 3-in. pots	.....\$1 per doz., \$7 per 100.
ASPARAGUS SPRENGERII, 3-in. pots	.....\$6 per 100.
PHENIX CANARIENSIS, 3 feet high	.....\$3 each.
PHENIX RECLINATA, 2 feet high	.....\$1.50 each.
CYCAS REVOLUTA (Sago)	.....50c, 75c and \$1 each.
OTAHEITE ORANGE, choice plants in 6-in. pots	.....75c each.

JOHNSON & STOKES, Seedsmen, - - 217-219 Market Street, PHILADELPHIA, PA.

1901 Specialties . . .

Asters Daybreak, Purity and Branching Comet....

Cabbage Novelty..

20th Century Earlier than the Wakefield, as solid as Danish Ballhead.

Write for prices and description. Half-tone cuts for catalogue purposes.

JAMES VICKS' SONS, ROCHESTER, N. Y.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. CLOVERS—Red, Saling, Alfalfa, Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato. Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.

August Rölker & Sons

Asparagus Sprengerii (fresh seed), 1000 seeds for \$1. Cyclamen English Giants, 7 distinct named sorts. 100 seeds \$1; the collection for \$3.50. Raffia, 100 lbs. at 12½c.; 50 lbs. at 13½c.; 10 lbs. at 15c. net Larger quantities on application. Lily of the Valley, forcing pips, select Hamburg, \$10 a 1000; high-class, \$12 a 1000. cash disc. 5 p. c.

52 Dey St., New York.

FREQUENT IMPORTATIONS OF BEST GRADE OF

English Mushroom Spawn

J. J. STYER, Concordville, Pa.

ESTABLISHED 1802

THORBURN'S SEEDS

SURPLUS AT REDUCED PRICES:

LILIUM LONGIFLORUM, JAPAN.	1000
6 to 8-inches	.....\$24.00
7 to 9 " "	.....34.00
LILY OF THE VALLEY PIPS.	
Largest and finest in the world, either Berlin or Hamburg	.....10.00
In case lots (3000 in a case)	.....9.00

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

LILY OF THE VALLEY.

Just arrived. From Best European Grower. BERLIN CROWNS, extra selected quality, \$10 per 1000; case of 2000, \$19. HAMBURG CROWNS, first selected quality, \$9 per 1000; case of 2500, \$21.

JACKSON & PERKINS CO., Newark, New York.

LILIUM AURATUM.

Sizes 8-9 and 9-11 on hand. Prices on application.....

SUZUKI & IIDA, 11 Barclay St., New York.

American Florist Advt's.



Reach all the Trade.

KENNICOTT BROS. CO.,

42-44 E. Randolph St., CHICAGO, ILL.

Whatever you need in the cut flower line will be found here at Christmas, if it is to be had anywhere, and hilled to you at market rates, the following quotations being subject to change without notice.

AMERICAN BEAUTY will be more than SCARCE, ALSO METEOR. But KLEHM'S NURSERY promises a fine cut of fancy Gontier this year, good color and long stems. We will do our best on all orders.

PRICES ON BEAUTIES:

Don't order Beauty unless you read these prices.

36-inch.....	\$12.00 to \$13.50 per dozen.
30 ".....	9.00 to 10.00 "
24 ".....	8.00 to 9.00 "
20 ".....	6.00 to 7.00 "
15 ".....	4.00 to 5.00 "
Short stock, 8 to 12-inch.....	2.00 to 3.00 "

MAHONIA LEAVES are the best selling green on the market for Christmas. You can order them from any wholesale firm; they can get them from us, \$1.00 per 100. We look for a fair supply of stock for Christmas, but can't say that anything will be plentiful, so order early and have stock reserved.

CHRISTMAS PRICES.

Gontier and Meteor.....	per 100, \$12.00—\$18.00
Maid's.....	" 10.00—15.00
Brides.....	" 10.00—15.00
Perles.....	" 8.00—12.00
Roses, good seconds.....	" 8.00—
Valley.....	" 4.00—5.00
Violets.....	" 1.50—2.50

Carnations.....	per 100, \$3.00—\$4.00
" fancy.....	" 5.00—6.00
" extra fancy.....	" 7.00—8.00
Romans.....	" 3.00—3.50
Narcissus.....	" 3.00—3.50
Smilax.....	per doz., 1.50—1.80
Asparagus.....	per string, .65— .75

Adiantum.....	per 100, \$1.00— \$1.25
Common Ferns.....	per 100, 25c; per 1000, 1.50
Leucothoe.....	per 100, 1.00
Galax.....	per 100, 20c; per 1000, 1.50
Mahonia Leaves.....	per 100, 1.00
Chrysanthemums at market rates.	

A WORD TO THE GROWERS OF CARNATIONS.—We have sold the cut of IRENE, a pink carnation, and consider it one of the best commercial sorts we have ever handled. WE ARE NOW BOOKING ORDERS FOR CUTTINGS. Place your orders NOW. \$1.50 per dozen, \$10.00 per 100, \$75.00 per 1000.

150,000 STOCK PLANTS and ROOTED CUTTINGS

Now ready for immediate delivery

At Popular Prices.

ROSES—Brides, Bridesmaids, Meteor, Perle Kaiserin and Golden Gate. Big strong rooted cuttings \$1.50 per 100; \$12.50 per 1000. Any quantity from now on.

CARNATIONS—Strong healthy cuttings, well rooted, in any quantity, embracing the 25 choicest varieties in cultivation. See our list and prices.

GERANIUMS—Bruanti, Heteranthe, Grant, S. A. Nutt, Beate Poitevine, Mrs. E. G. Hill, Athlete, La Favorite, White Swan, Mrs. J. M. Garr, Mme. Jaulin, Frances Perkins and other varieties, strong 2 1/4-inch plants \$2.50 per 100; \$22.50 per 1000. Strong rooted cuttings of above, ready for 2 1/4-inch pots, \$1.50 per 100; \$15.00 per 1000. All kinds mixed, \$1.25 per 100; \$10.00 per 1000. Rose Geraniums, \$1.25 per 100.

COLEUS—Our champion collection, embracing the newest sorts and only those of decided merit. All bright colors, clean and healthy. Strong plants, from 2 1/4-inch pots \$1.50 per 100. Strong rooted top cuttings, fine ones, ready for 2 1/4-inch pots, 75 cents per 100; \$6.00 per 1000.

VERBENAS—New Mammoth and 20th Century Collection, 25 grand sorts, 2-inch and 2 1/4-inch, strong, healthy plants, green as grass, full of cuttings, \$2.00 per 100; \$18.50 per 1000. Rooted cuttings, big ones, as clean as a whistle, 60 cents per 100; \$5.00 per 1000.

PEONIAS—Double Fringed, Henderson's and Dree's latest sorts, including also White Fawn, Mrs. Sander and Pink Perfection. Large rooted cuttings ready for 2 1/4-inch pots, \$1.25 per 100 by mail; \$10.00 per 1000 by express. Pure white only, \$1.50 per 100.

NEW AGERATUMS—Stella Gurney, the grand novelty of 1900, and Snow Drift, the peerless white, strong 3-inch stock plants full of cuttings, 50c per dozen; \$3.00 per 100. Strong rooted cuttings \$1.00 per 100. Louise Bonnat, latest novelty in white, and Princess Pauline, latest blue, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 60c per 100, (special).

ALTERNANTHERAS—bright red, variegated and yellow, 50c per 100, \$4.00 per 1000, (special for ten days).

NEW SALVIAS—St. Louis and Splendens, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 75c per 100, (special).

MARGUERITES—New California Giant White and New Golden, strong 2 1/4-inch, \$2.00 per 100; strong R. C., \$1.00 per 100.

ASPARAGUS SPRENGERII—strong 2 1/4-in., ready for 3-inch, \$2.00 per 100, (special.)

CASH WITH ORDER.

South Side Floral Co., Springfield, Ill.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

NEW CROP FLOWER SEEDS

FOR PRESENT SOWING.

	Tr. pkt.	Oz.
Begonia Vernon.....	.15	
" Erfordi.....	.25	
Candytuft Giant Hyacinthflowered, pure white.....	.10	\$.60
Candytuft Empress.....	.10	.20
Petunia, Vaughan's Best Mixture.....	.50	
The best mixture of large-flowering varieties in existence.		
Salvia "Dropping Spikes".....	.15	2.00
One of the best for florists' use.		
Salvia Clara Bedman.....	.25	2.50
Stocks Snowflake, forcing, the earliest white Ten Week, 1/8 oz. \$1.00.....	.25	
" White Perfection "Cut and Come Again", 1/8 oz. 45c.....	.25	
" Large Flowering Ten Week in 7 distinct colors, 7 pkts. for \$1.25.....	.25	
" Extra choice mixed.....	.25	
Vinca Rosea, pink.....	.15	.60
" " Alba, white with eye.....	.15	.60
" " Pura, pure white.....	.15	.60
" " mixed.....	.15	.60
	100	1000
	seeds.	seeds.
Asparagus Plumosus Nanus.....	\$1.00	\$8.50
Write for prices on larger lots.		
Asparagus Sprengerii.....	.50	3.00
Cyclamen Persicum Giganteum. We have sold this strain for several years and find it to be very fine.		
Giganteum, Mont Blanc, white.....	.75	5.00
Deep Crimson, very large.....	.75	5.00
Rosa von Marienthal, pink.....	.75	5.00
White, Carmine Eye.....	.75	5.00
Giant Flowered Sorts, best mixed, 1/8 oz., \$1.50.....	.50	4.50

PANSY.

Vaughan's "International" received the only reward for Mixed Pansies at the World's Fair. It is today better and more complete than ever. It contains the cream of the stock of ten Pansy specialists. There is no better mixture in existence, as all of the florists who saw or used it can tell you. Price per oz., \$10; 1/4 oz., \$5; 1/8 oz., \$1.50; trade pkt., 50c.

Vaughan's "Giant Mixture." If you want large flowers this is the mixture to buy. Oz., \$4; 1/4 oz., 60c; trade packet, 25c.

Chicago Parks Bedding Mixture, oz., \$1; 1/4 oz., 30c; trade pkt., 10c.

VERBENA.

Vaughan's Best Mixture. Our grower, to whom we sent some of this mixture last year, reports it to be the finest he has ever seen. It includes the Mammoth-Flowered strains of three celebrated Verbena specialists, the beautiful and dazzling DeBance, the Snow White, Purples, Striped, and all the Auricula-Flowered varieties, with their large umbels of white-eyed flowers, the new giant striped and the Fordhook Mammoth Verbenas. We feel perfectly safe in stating that this mixture of Verbenas will eclipse every strain offered by any other house. Oz., \$2; 1/4 oz., 50c; trade pkt., 25c.

Mammoth Mixed, trade pkt., 15c; oz. \$1.00.
 " White, trade pkt., 15c; oz., \$1.25.
 " Pink and carmine shades, trade pkt., 25c
 " Mayflower, best pink, trade pkt., 25c.

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph Street.



NEW YORK: 14 Barclay Street.

XXX STOCK.

Cyclamen Persicum Splendens Giganteum, from 3-in. pots in bud, \$7.00 per 100, \$65.00 per 1000.

Geraniums, Dbl. Grant, Alphonse Riccard, John Doyle, Bruanti, B. Poitevine, Floire de France, Griffith, La Favorite, S. A. Nutt, strong plants from 2 1/4-in. pots, \$3.00 per 100, \$35.00 per 1000.

Begonia Rex, (rooted cuttings), in 15 standard varieties, labeled, \$2 per 100; mixed, \$1.50 per 100.

I solicit your patronage and guarantee satisfaction.

PAUL MADER, E. Stroudsburg, Pa.

Do not hide your light under a bushel. Tell the people what you have for sale.

SEED Pansies PLANTS

The Jennings strain. Fine stock, choice varieties. Medium size plants, 60c per 10 by mail, \$4 per 1000 by express. Extra fine stock plants in bud and bloom, \$1 per 100; \$10 per 1000. The above growing in cool greenhouses. Seed, \$1 per pkt., \$5 per oz. Cash with order.

E. B. JENNINGS, Grower of the Finest Pansies, Lock Box 254 Southport, Conn.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flower saved, dwarf and semi-dwarf, plant flowered, finest shades and colors. We can supply any quantity fine, stock plants—2 1/4 in., \$2.50 per 100. Cash with order. Shellroad Greenhouse Co., Grange P. O., Balto., Md.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

PROF. FRED. W. CARD, of the Rhode Island College, will conduct a school of horticulture, opening at Kingston, February 20, 1901, and continuing six weeks. Last year's course was very successful.

Western Wholesalers Meet.

It is the unanimous opinion of members of the Western Wholesale Nurserymen's Association that there will be a considerable rise in the prices of nursery stock before spring. A discussion of the subject occurred at the annual meeting at Kansas City, December 11, and the fact was brought out that the available stock is the shortest it has been in years and that the supply is certain to be found far short of the demand when spring opens. This is especially true of the larger fruits, apples, pears and peaches, etc., and of cherries. Apples, it is said, will be found very scarce, and cherries extremely so.

The association membership embraces the states of Alabama, Missouri, Iowa, Kansas, Nebraska, Colorado and Oklahoma Territory and about thirty members were present. The following officers for the ensuing year were elected: President, A. L. Brook, Topeka, Kas.; vice-president, R. H. Blair, Kansas City, Mo.; secretary and treasurer, E. J. Holman, Leavenworth, Kas.; executive committee, Peter Younger, Geneva, Neb.; A. Willis, Ottawa, Kas.; R. S. Welch, Shenandoah, Ia.; J. H. Skinner, Topeka, Kas.; A. C. Griesa, Lawrence, Kas.

Moving Large Trees.

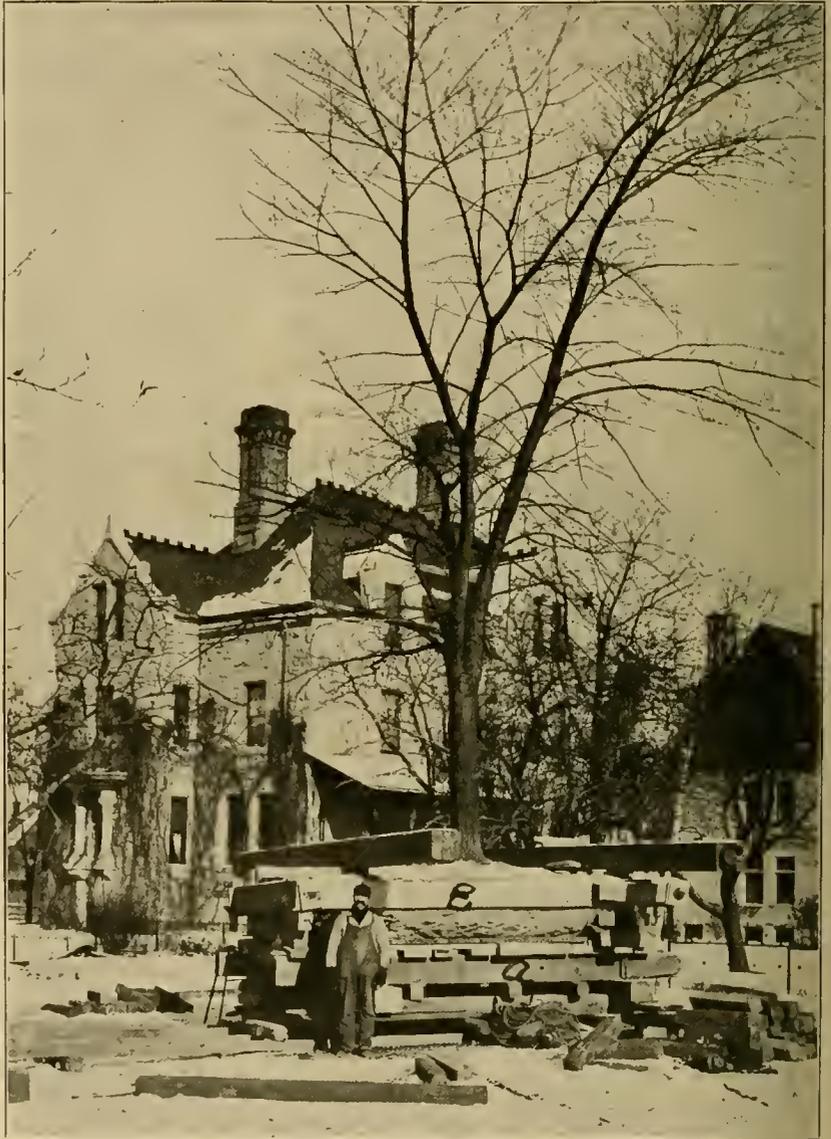
The possibility of moving mature elms from one place to another without injuring branches or roots has often given a new lease of life to trees that otherwise must for one cause or another either perish or dwindle away by degrees. Tree life is nothing more than a practical survival of the fittest, a history of a struggle for light and moisture in which the elements are leagued against the growing trees. Few catastrophies in nature are more unfortunate than the cutting down of a tree that has passed through the uncertainties of youth and attained the age of twenty-five years. It often occurs that trees which have arrived at that age without interfering with one another come into competition at maturity and one of them must go, generally in grounds where there is a wealth of trees. The woodsman's axe usually settles the difficulty, and in cases where both the competing trees are equally beautiful it seems hard to sacrifice either. The science of tree moving here comes to the rescue and one of the trees, with branches, bark and roots unscathed, is simply transplanted to a more favorable location.

An instance where a twenty-year elm was successfully moved a distance of 300 feet from the street line is shown in the accompanying illustration. The tree stood too near a maple on the street line and was taken up and reset so as to screen a neighboring barn, where it will have a good chance to attain the age of 100 years or more. With it was taken a ball of earth 12x18 feet and thirty-six inches deep. The great care to be taken is to be sure that the full quota of root fibers are afforded for next season's growth. It frequently happens that

three, four or five trunk roots will run a long distance in one or more directions, reaching a fertile piece of ground, where large fan shaped clumps of rootlets will form for assimilating the nutrition required. To cut this off and leave only the trunk roots almost bare of rootlets would render the tree helpless to maintain the growth which should start next spring, by development of the buds already formed from nutriment stored for the occasion before the leaves were entirely dead. The roots, therefore, should be dug out carefully and rolled up toward the trunk, packed in damp moss and covered with hay while moving. In the case under consideration the tree grew

were terminal buds cut off, so that the tree does not need heading in.

In preparing the tree for moving a deep ditch was dug on two sides and three feet below the surface a hole was tunneled to admit a large timber (a); then the ball was clamped by plank and bolts (b). Short pieces of plank were next driven across from one timber to the other, so that when these timbers were raised they supported a floor under the ball. To get it out of the hole, two very heavy timbers were put across the ball on top, at right angles with lower timber, (c), heavy bolts were run through timber, ball and lower timber and made fast by screw nuts and washers. Jack screws



TRANSPLANTING A LARGE TREE.

in stiff clay and the roots were equally distributed on all sides except where stopped by the curbing. The fibers were plentiful throughout the soil, so that where the roots were cut the number was large, and the size small. Close by the ends of all roots cut were a quantity of dormant buds which would not develop while the terminals were undisturbed, but now these may be depended upon to send out new fresh fibers next April and there will be about as many of them as there

were put under the four ends and raised by blocking in the ordinary way until high enough to admit additional timbers and rollers. In planting out, a good bed of loam was provided and the ball was packed with three feet of first-class loam on all sides. The bed was carefully drained, the surface well covered with long manure to exclude frosts, and the top secured by ropes to prevent the wind from moving it about so as to break off any rootlets that may form. C. B. W.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Friday Night Bowlers Win.

The first of a series of three games between the Jenkintown Bowling Club and the Friday Night Association of the Florists' Club of Philadelphia was rolled Friday evening at Horticultural Hall. The Friday Night team won by the handsome margin of 339 pins. Stoneham was high man among the florists, with 511, and Richardson, with 439, for the Jenkintown team. The score follows:

FRIDAY NIGHT ASSOCIATION.				
Player	1st	2d	3d	T ¹
Watson	148	158	99	405
Archer	161	162	135	459
Stoneham	165	178	178	511
Denham	132	187	121	440
Kuestner	181	160	133	474
Eim	121	145	130	396
Total	908	990	787	2685

JENKINTOWN BOWLING CLUB.				
Player	1st	2d	3d	T ¹
McGanwell	138	152	145	435
Richardson	126	163	150	439
Mayer	132	117	164	413
Griffith	102	121	131	354
Weak	89	100	117	306
Robinson	148	141	110	399
Total	738	794	787	2346

At Flatbush.

The second engagement between the crack New York bowlers and the local team came off on Thursday evening, December 13, at the new alleys of the Flatbush club. Flatbush succeeded in winning two of the three games played and are happy in consequence. This necessitates one more meeting before the final settlement of the tournament. New York has won four games and Flatbush two. Three more games will be played. Following are the scores:

FLATBUSH.			
Player	1st	2d	3d
A. Zeller	143	144	131
Schmutz	111	148	140
Raynor	151	137	159
Mellis	168	123	143
E. Dailledouze	152	152	176
Riley	142	160	137
Total	887	894	888

NEW YORK			
Player	1st	2d	3d
O'Mara	148	139	128
Thielmann	141	162	159
Siebrecht	130	132	117
Haffner	150	150	133
Burns	155	122	138
Lang	186	168	152
Total	910	873	827

A good time was in progress on the spare alleys during the match, participated in by the rooters and friends of the regular teams, who rolled up the following totals:

Player	1st	2d	3d
Woecker	115	134	102
C. Zeller	92	107	90
Langjahr	94	110	78
Elliott	62	93	83
Dorlan	119	144	136
Total	482	588	486

Player	1st	2d	3d
Lentz	159	149	118
Woecker	97	138	109
Butterfield	116	87	134
P. Dailledouze	109	98	141
Stewart	83	159	94
Total	564	631	596

At New York.

Bowling scores for Monday night, December 17, were as follows:

Player	1st	2d	3d
Haffner	138	159	160
Von Asch	128	129	124
Burns	199	189	172
Elliott	213	167	138
Traendly	142	145	166
Lang	186	189	183
Moody	141	137	151
Carpenter	111	102	109

At Philadelphia.

Another victory was added to the laurels of the bowling club on Monday, December 17, when the first team defeated the Pennsylvania Bicycle Club by 313 pins. George Moss covered himself with glory by making 603 pins as a total, an average of 201 pins to a game. He said: "Oh, why didn't I do this in New York." The score follows:

Florists	1st	2d	3d	T ¹
Moss	215	189	199	603
Connor	134	133	137	404
Harris	126	145	181	452
Westcott	188	157	146	491
Kift	155	132	153	440
Johnson	176	168	157	501
Totals	994	924	973	2891
Pennsylvania Bicycle Club	853	823	902	2578

At West Hoboken.

The North Hudson County bowlers had just settled down to a quiet little home game last Wednesday evening when a demonstrative delegation arrived from the big city across the river and put an end to all prospects of a quiet evening. The visiting party included John I. Raynor, John H. Taylor, Wm. Ford and W. J. Stewart. John Birnie, who upholds single handed the prestige of the Scottish race in this essentially Teutonic community, was not slow to take advantage of the opportunity so unexpectedly afforded him and it was not long before "A hundred pipers an' a' an' a'" and "The bonnie, bonnie banks of Loch Lomond"

had drowned out "Du bist verricht, mein kind" in a volume of aggressive melody. In the meantime the game went on and an appetizing lunch served to keep the inner man happy. Scores were recorded as follows:

Player	1st	2d	Player	1st	2d
Brown	136	185	Deitz	156	129
M. Hansen	167	143	L. Hansen	141	173
Menne	133	126	Baumann	108	114
Hillebrecht	126	144	Grundmann	141	110
Tschupp	148	105	Wache	106	
Birnie	123	116	Kornich	102	98
Raynor	102	145	Stewart	128	116
Ford	121	120	Taylor	108	82

At Utica.

The Utica Florists' Bowling Club had a very interesting meeting on December 17, at which there was a very full attendance, as a large, fat turkey was offered as a prize in a handicap contest. It was won by Somers, who increased his average very much and will now have to be put up near the top of the column. He was followed very closely by H. Mathews. Below is the score:

Player	1st	2d	3d	Av
Baker	149	153	173	158
Somers	119	158	172	150
Pfeiffer	167	160	105	144
Rowlands	152	155	122	143
H. Mathews	145	165	116	142
Wileox	107	146	113	122
C. Mathews	116	132	113	120
Day	92	116	148	118
Hildebrand	119	117	116	117
Spencer	123	115	101	113
Tomey	98	118	110	109
Kaufner	113	107	92	104
T. Baker	110	102	102	101
Murphy	110	102	77	96

QUIS.

DES MOINES, IA.—There is only a fair supply of holiday stock in sight, with blooming plants scarce. All the dealers here find themselves short on bouquet green and cannot handle it at the prevailing price. Our people do not order until the last moment so that it is impossible to foresee what the Christmas trade will be.

Crimson Rambler Roses.

These Roses have fibrous roots and are particularly well adapted for potting and forcing. They certainly do please the florists who have gotten them; one sale invariably brings a second order.

We offer them in two sizes, 3 to 3½ feet, at \$12. Extra large, 3½ to 5 feet, at \$15.

The CONARD & JONES CO., West Grove, Pa.

Send to **THE MOON** Company
For { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO., Morrisville, Pa.

Please mention the American Florist when writing.

FOR SALE, 20,000 two and three year old **APPLE TREES,** fine stock, \$50 per 1000. List vars. on application.

Adiantum Pubescens, 4-inch pot, \$5.00 per 100. Asparagus Sprengeri, 2½-inch pot, \$4.00 per 100. Fine plants, ready to ship.

Otto Schwilb & Co., Proprietors of Ideal Wild Greenhouse and Memphis Nursery, 304 Front St., MEMPHIS, TENN.
Please mention the American Florist when writing

Maples NORWAY. SUGAR.

From 1 to 3-inch caliper, also one-year seedlings. Write for price list.

SAMUEL G. MOON, Morrisville, Bucks Co., Pa.

Grape Vines

Descriptive and Price List free. Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true. **T. S. HUBBARD CO., FREDONIA, N. Y.**

WANTED—50 clumps of 6-8 crowns each of a good double pure white Peonia of a variety suitable for cut-flowers.

JOS. W. VESTAL & SON, Little Rock, Ark.



NEPHROLEPIS WITTBOLDII.

Strong Plants, ready for 3-inch and 4-inch pots, \$1.00 each; \$10.00 a dozen; \$75.00 per 100.

Now is the Time to Replenish Your Stock

LET US HAVE YOUR ORDER FOR DECORATIVE PLANTS.

Our stock is cool grown and the plants are low, compact and rich in color. It is all such stock as we can send to the most particular trade. We have done a very large business this season but as yet we are able to supply all sizes. Let us have your order today.

Kentias==Latanias

Varieties	Size Pot	Height Inches	No. Leaves	Per Each	Per Doz.	Per 100
Kentia Belmoreana	2 1/2	8 to 9	3 to 4	.85	\$1.50	\$12.00
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15.00	150.00
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	30.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00
Kentia " strong	6	18 to 24	5 to 7	1.00	12.00	90.00
Kentia " strong	6	20 to 22	6 to 7	1.25	15.00	125.00
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00
Kentia Forsteriana	2 1/2	8 to 9	3 to 4	1.50	12.00	100.00
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15.00	150.00
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	60.00
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00	90.00
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	125.00
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00
Latania Borbonica	2 1/2	8 to 9	3	.60	5.00	40.00
Latania Borbonica	3	12 to 15	5 to 6	1.00	8.00	75.00
Latania Borbonica	3 1/2	12 to 15	5 to 6	.15	1.50	12.00
Latania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00
Latania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00
Latania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00
Latania Borbonica	6	extra strong		.75	9.00	75.00
Areca Lutescens	2 1/2	5 to 6	3 plants in pot		8.00	8.00
Areca Lutescens	3 1/2	12 to 14	3	.25	2.00	15.00
Areca Lutescens	4	15 to 18	3		3.00	25.00

..Asparagus..

Asparagus Sprengerii	Size Pot	Doz.	Per 100
Asparagus Sprengerii	2-inch	\$.50	\$ 4.00
Asparagus Sprengerii	4-inch	1.50	12.00

Miscellaneous.

Each	Doz.	Per 100			
Araucaria Excelsa, 4-inch, nice plants		\$.50			
Araucaria Excelsa, 4 1/2-inch, nice plants		.75			
Araucaria Excelsa, 5-inch, nice plants		1.00			
Ficus Elastica	Pot Height	Leaves	Each	Doz.	Per 100
Ficus Elastica	6	22 to 23	12 to 14	\$.75	\$ 7.20
Ficus Elastica	7	24 to 28	14 to 16	10.00	75.00
Pandanus Utilis	2 1/2	6 to 8	10 to 12	1.00	8.00
Pandanus Utilis	3	8 to 10	12 to 15	2.00	15.00
Pandanus Veitchii	6	strong		1.50	18.00
Pandanus Veitchii	7	strong		2.25	27.00
Pandanus Veitchii	8	strong		3.00	36.00
Dracena Terminalis	3 1/2			2.00	
Dracena Terminalis	4			4.00	
Dracena Terminalis	5			6.00	
Cocos Weddeliana	3			.25	2.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50	
Phoenix Reclinata	3		4 to 6		1.50
Phoenix Reclinata	3		4 to 6		1.50
Phoenix Canariensis	3		4 to 6		3.00
Aspidistra Lurida	4			15 to 20	8 to 12
Aspidistra Lurida	5			3	12
Corypha Gebanga	3			12	5 to 6
Sansevieria Javanica Variegata	2-inch, strong plants	dozen			.60
Sansevieria Javanica Variegata	3-inch, strong plants	"			1.25
Sansevieria Javanica Variegata	4-inch, strong plants	"			2.00
Sansevieria Javanica Variegata	5-inch, strong plants	"			3.00
Peperomia Argyreia (Saundersii)		"			2.00
Peperomia Alata		"			2.00
Maranta Kerchoviana	3 1/2-inch	"			2.00
Zingiber Officinale, Ginger Plant	4-inch	"			2.00
Zingiber Officinale	5-inch	"			3.00
Curculigo Recurvata	4-inch	"			2.00
Curculigo Recurvata	5-inch	"			4.00
Cyperus Alternifolius	5-inch	"			1.50

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Serrulata	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Crytomium Falcatum	2-inch	.50	4.00
Crytomium Falcatum	3-inch	1.00	8.00
Crytomium Falcatum	4-inch	1.50	10.00
Crytomium Falcatum	5-inch	2.00	
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

NEPHROLEPIS WITTBOLDII, strong plants, ready for 3 and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place, CHICAGO, ILL.

GRAND OFFER, FINE PLANTS, NONE BETTER.

Size pot.	Height.	Each.	Doz.
4-inch	18 3 in pot	.30	3.50
5-inch	20 to 24	.60	
8-inch	36	2.50 to 3.00	

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	12 inch	\$.20	\$ 2.00	\$12.00
4-inch	5 to 6	15	.50	5.50	
6-inch	8 to 10	24 Fine bushy plants,		\$2.00 ea.	
6-inch	7 to 8	30		2.50 ea.	

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	9 to 10	\$.30	\$ 3.00	\$35.00
4-inch	4	15 to 18	.40	4.00	
6-inch	5 to 6	40	2.75	30.00	

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	5 to 6	12 inch	\$.15	\$ 1.50	\$12.00
4-inch	5 to 7	15 to 18	.25	3.00	
6-inch	6 to 8	24 to 30	1.00	12.00	
6-inch	6 to 8	30	1.50	16.00	
6-inch	7 to 8	30	2.00	bushy	

Size pot.	Height.	Each.	Doz.	100
3-inch	12 to 14	\$.20	\$2.40	\$18.00

Size pot.	Each.	Doz.	100
3-inch	\$.20	\$ 2.00	\$15.00
4-inch	.35	4.00	
5-inch	.75	8.50	
6-inch pot or pana.	.75	9.00	
6-inch " " bushy	1.00	12.00	
7-inch " " " "	1.50	18.00	
8-inch " " " "	2.00	21.00	
9-inch " " " "	2.50	27.00	

Size pot.	Height.	Each.	Doz.
6-inch	24 to 30	\$.75	\$9.00
6-inch	30 to 34	1.00	12.00
8-inch	43	1.50 to 2.00	

Size pot.	Each.	Doz.	100
3-inch	\$.10	\$1.20	\$10.00
5-inch	.20	2.25	18.00

Size pot.	Each.	Doz.	100
3-inch	\$.60	\$ 6.00	\$ 50.00
6-inch	\$.35	4.00	25.00

Size pot.	Each.	Doz.	100
5-inch	\$.35	\$ 4.00	\$25.00

CYCLAMEN PERSICUM CIGANTEUM. 2 1/2-inch at \$4.00 per 100; 6-inch at 40c each, \$4.50 per dozen; 7 and 8-inch pans, 75c each, \$8.50 per dozen. These plants are nicely budded.

Dracena Bruanti, \$1.50 each, \$18 per dozen.
Dracena Massangana, \$2 each, \$24 per hundred.
Dracena Lindenii, \$1.50 each, \$18 per dozen.
Dracena Terminalis, 50c each, \$6 per dozen.
Small Ferns, Adiantum Cuneatum, 3-inch pots, \$6 per hundred.

Mixed Ferns, 3 inch pots, \$6 per hundred.
Cyperus Alternifolius, 3-in. pots, \$5 per hundred.
Hydrangea, Otaksa, 6-inch pots, \$10 per hundred.
Extra fine for Easter forcing.

Jerusalem Cherry, nicely berried, 6-inch pots, bushy, 40c each.

Gausperleptha!

A sure remedy for carnation rust, stem rot and black spot on roses. Spray your plants with GAUSPERLEPTHA and get rid of these greatest of evils. Having discovered and used this preparation for a number of years, I have repeatedly been asked to place it on the market for the benefit of all concerned. It is a sure remedy and has never failed to keep plants clear by constant application. One gallon diluted makes 130 gallons. It is perfectly harmless to plants and gives them a rich, glossy foliage. Directions with every can. NO FLORIST SHOULD BE WITHOUT IT. Price per gal., \$2.00. Special prices on larger quantities. We guarantee Gausperleptha to do all we claim for it.

Cut Flowers, Palms and Plants. LAKEVIEW ROSE GARDENS, Jamestown, N. Y. C. H. RONEY, Supt.

Albany, N. Y.

LOCAL SUPPLIES OF CHRISTMAS GREENS.—SAND LAKE HAS TREES, GREEN AND LAUREL.—GOLDRING SELLS OUT.—TRADE GOOD.—NOTES.

The season for Christmas greens is now at its height. The Albany market, in addition to receiving considerable supplies of holly, laurel and southern smilax from the large dealers in New York and Philadelphia, receives considerable supplies from a place called West Sand Lake, eight miles east of Albany, among the foothills of the Hoosac Mountains, a spur of the Berkshires. This region sends to the local market every year about 1500 evergreen trees, mostly balsams and spruces. Sand Lake also supplies both Albany and Troy with Christmas greens. About 75,000 yards are made by twenty families who have a monopoly of the business. A considerable amount of moss is worked up into wreaths. For the past few years the Sand Lake collectors have been sending laurel wreaths into the local market, but the demand is not great.

Samuel Goldring, who for nearly four years, conducted a floral establishment at 30 North Pearl street, has sold out his business to W. C. King, who will conduct it under the firm name of W. C. King & Co. Mr. King is a young man, the son of George King, gardener in charge of the greenhouses at the Governor's mansion. For some time past he has been conducting greenhouses of his own on Yates street. The store will furnish an outlet for the plants and flowers.

Trade is large but there is a scarcity of stock. The demand for wreaths, laurel, smilax, palms and ferns is great. The flowers for the Christmas trade will be violets and roses, for both of which the demand is increasing.

Whittle Brothers have been awarded the contract for the decoration of All Saints' Cathedral for the Christmas services. Palms, laurel roping and southern smilax will be used in the decorations.

R. D.

Nashville, Tenn.

Florists are very well satisfied with the outlook for stock for the holidays, as it is coming in just right. The rose supply will be excellent and from present prospects sufficient to cover the demand. There will also be plenty of Romans and narcissi. Carnations will also help to swell the supply. Potted plants are plentiful. The streets are full of wagons laden with holly and other greens. The holly is beautifully berried and commands a fancy price. It is not as abundant this year as in previous years. Holly is native in the hills around this city but the constant cutting of recent years has thinned it out to a great extent.

M. C. DORRIS.

Florists all over the country are quickly discerning the

Commercial Value of The Lawson Carnation.

The demand will be heavy this season. My stock is in excellent condition, clean and healthy. Rooted cuttings ready now, or for later delivery.

PRICE, Per 100\$7.00
Per 1000.....\$60.00

TERMS STRICTLY CASH from unknown parties. Send ALL ORDERS DIRECT TO

PETER FISHER,
Ellis, Mass.
No Agents.

The Largest Fancy Carnation. Ready March 1st.

-PROSPERITY-

ALL ORDERS FILLED IN STRICT ROTATION.

Prices for Rooted Cuttings.

1 Plant.....\$.50	250 Plants.....\$ 37.50
12 Plants.....5 00	500 Plants.....70 00
25 Plants.....8.25	750 Plants.....101.25
50 Plants.....10.00	1000 Plants.....130.00
100 Plants.....16.00	

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., = Flatbush, N. Y.

WEILAND-AND-RISCH

59 WABASH AVE., CHICAGO.

CARNATION CUTTINGS.

<table border="0"> <tr><td>Mrs. T. W. Lawson</td><td>100</td><td>1000</td><td>\$7.00</td><td>\$60.00</td></tr> <tr><td>Marquis</td><td>6.00</td><td>50 00</td><td></td><td></td></tr> <tr><td>Genevieve Lord</td><td>6.00</td><td>50 00</td><td></td><td></td></tr> <tr><td>Dorothy</td><td>8.00</td><td>75 00</td><td></td><td></td></tr> <tr><td>Irene</td><td>7.00</td><td>75 00</td><td></td><td></td></tr> <tr><td>Prosperity (666)</td><td>16.00</td><td>130.00</td><td></td><td></td></tr> <tr><td>Roosevelt</td><td>12.00</td><td>100.00</td><td></td><td></td></tr> <tr><td>Ethel Crocker</td><td>4.00</td><td>35.00</td><td></td><td></td></tr> <tr><td>G. H. Crane</td><td>3.00</td><td>25.00</td><td></td><td></td></tr> <tr><td>Mrs. Geo. M. Bradt</td><td>3.00</td><td>25.00</td><td></td><td></td></tr> </table>	Mrs. T. W. Lawson	100	1000	\$7.00	\$60.00	Marquis	6.00	50 00			Genevieve Lord	6.00	50 00			Dorothy	8.00	75 00			Irene	7.00	75 00			Prosperity (666)	16.00	130.00			Roosevelt	12.00	100.00			Ethel Crocker	4.00	35.00			G. H. Crane	3.00	25.00			Mrs. Geo. M. Bradt	3.00	25.00			<table border="0"> <tr><td>Mrs. Frances Joost</td><td>2.00</td><td>15.00</td><td></td><td></td></tr> <tr><td>Evanson</td><td>2.00</td><td>17.50</td><td></td><td></td></tr> <tr><td>White Cloud</td><td>2.00</td><td>15.00</td><td></td><td></td></tr> <tr><td>Flora Hill</td><td>1.50</td><td>12.50</td><td></td><td></td></tr> <tr><td>Gov. Griggs</td><td>2.00</td><td>17.50</td><td></td><td></td></tr> <tr><td>Triumph</td><td>1.50</td><td>12.50</td><td></td><td></td></tr> <tr><td>Melba</td><td>2.00</td><td>17.50</td><td></td><td></td></tr> <tr><td>Mary Wood</td><td>2.00</td><td>17.50</td><td></td><td></td></tr> <tr><td>Gold Nugget</td><td>3.00</td><td>25.00</td><td></td><td></td></tr> <tr><td>America</td><td>3.00</td><td>25.00</td><td></td><td></td></tr> </table>	Mrs. Frances Joost	2.00	15.00			Evanson	2.00	17.50			White Cloud	2.00	15.00			Flora Hill	1.50	12.50			Gov. Griggs	2.00	17.50			Triumph	1.50	12.50			Melba	2.00	17.50			Mary Wood	2.00	17.50			Gold Nugget	3.00	25.00			America	3.00	25.00		
Mrs. T. W. Lawson	100	1000	\$7.00	\$60.00																																																																																																	
Marquis	6.00	50 00																																																																																																			
Genevieve Lord	6.00	50 00																																																																																																			
Dorothy	8.00	75 00																																																																																																			
Irene	7.00	75 00																																																																																																			
Prosperity (666)	16.00	130.00																																																																																																			
Roosevelt	12.00	100.00																																																																																																			
Ethel Crocker	4.00	35.00																																																																																																			
G. H. Crane	3.00	25.00																																																																																																			
Mrs. Geo. M. Bradt	3.00	25.00																																																																																																			
Mrs. Frances Joost	2.00	15.00																																																																																																			
Evanson	2.00	17.50																																																																																																			
White Cloud	2.00	15.00																																																																																																			
Flora Hill	1.50	12.50																																																																																																			
Gov. Griggs	2.00	17.50																																																																																																			
Triumph	1.50	12.50																																																																																																			
Melba	2.00	17.50																																																																																																			
Mary Wood	2.00	17.50																																																																																																			
Gold Nugget	3.00	25.00																																																																																																			
America	3.00	25.00																																																																																																			

ROSE CUTTINGS.

<table border="0"> <tr><td>Liberty</td><td>100</td><td>1000</td><td>\$3.00</td><td>\$25.00</td></tr> <tr><td>Met-or</td><td>1.50</td><td>12.50</td><td></td><td></td></tr> <tr><td>Bride</td><td>1.50</td><td>12.50</td><td></td><td></td></tr> <tr><td>Bridesmaid</td><td>1.50</td><td>12.50</td><td></td><td></td></tr> </table>	Liberty	100	1000	\$3.00	\$25.00	Met-or	1.50	12.50			Bride	1.50	12.50			Bridesmaid	1.50	12.50			<table border="0"> <tr><td>Golden Gate</td><td>100</td><td>1000</td><td>\$2.50</td><td>\$20.00</td></tr> <tr><td>Kaiserin</td><td>1.50</td><td>12.50</td><td></td><td></td></tr> <tr><td>Perle</td><td>1.50</td><td>12.50</td><td></td><td></td></tr> <tr><td>La France</td><td>1.50</td><td>12.50</td><td></td><td></td></tr> </table>	Golden Gate	100	1000	\$2.50	\$20.00	Kaiserin	1.50	12.50			Perle	1.50	12.50			La France	1.50	12.50		
Liberty	100	1000	\$3.00	\$25.00																																					
Met-or	1.50	12.50																																							
Bride	1.50	12.50																																							
Bridesmaid	1.50	12.50																																							
Golden Gate	100	1000	\$2.50	\$20.00																																					
Kaiserin	1.50	12.50																																							
Perle	1.50	12.50																																							
La France	1.50	12.50																																							

Florists ordering of us can rest assured of obtaining first-class stock, as we vouch for every cutting sent out.

WHOLESALE FLORISTS

WE SOLICIT A TRIAL ORDER.....

ALL TELEGRAPH ORDERS GIVEN CAREFUL & IMMEDIATE ATTENTION

100,000 ROOTED CARNATION CUTTINGS

Ready to Ship.

<table border="0"> <tr><td>Mrs. Thos. W. Lawson</td><td>Per 100</td><td>Per 1000</td><td>\$ 7.00</td><td>\$60.00</td></tr> <tr><td>Olympia</td><td>5.00</td><td>40.00</td><td></td><td></td></tr> <tr><td>Genevieve Lord</td><td>4.00</td><td>35.00</td><td></td><td></td></tr> <tr><td>Ethel Crocker</td><td>4.00</td><td>35.00</td><td></td><td></td></tr> <tr><td>Morning Glory</td><td>4.00</td><td>35.00</td><td></td><td></td></tr> <tr><td>Mrs. G. M. Bradt</td><td>3.00</td><td>25.00</td><td></td><td></td></tr> <tr><td>G. H. Crane</td><td>3.00</td><td>25.00</td><td></td><td></td></tr> <tr><td>Peru</td><td>3.00</td><td>25.00</td><td></td><td></td></tr> <tr><td>America</td><td>3.00</td><td>25.00</td><td></td><td></td></tr> <tr><td>Gold Nugget</td><td>3.00</td><td>25.00</td><td></td><td></td></tr> <tr><td>Gen. Maceo</td><td>2.50</td><td>20.00</td><td></td><td></td></tr> <tr><td>Gen. Gomez</td><td>2.00</td><td>15.00</td><td></td><td></td></tr> <tr><td>White Cloud</td><td>1.50</td><td>12.50</td><td></td><td></td></tr> </table>	Mrs. Thos. W. Lawson	Per 100	Per 1000	\$ 7.00	\$60.00	Olympia	5.00	40.00			Genevieve Lord	4.00	35.00			Ethel Crocker	4.00	35.00			Morning Glory	4.00	35.00			Mrs. G. M. Bradt	3.00	25.00			G. H. Crane	3.00	25.00			Peru	3.00	25.00			America	3.00	25.00			Gold Nugget	3.00	25.00			Gen. Maceo	2.50	20.00			Gen. Gomez	2.00	15.00			White Cloud	1.50	12.50			<table border="0"> <tr><td>Mrs. F. Joost</td><td>Per 100</td><td>Per 1000</td><td>2.00</td><td>15.00</td></tr> <tr><td>Flora Hill</td><td>1.50</td><td>12.00</td><td></td><td></td></tr> <tr><td>Argyle</td><td>1.50</td><td>12.00</td><td></td><td></td></tr> <tr><td>Daybreak</td><td>1.50</td><td>12.00</td><td></td><td></td></tr> <tr><td>Wm. Scott</td><td>1.25</td><td>10.00</td><td></td><td></td></tr> <tr><td>Armazindy</td><td>1.25</td><td>10.00</td><td></td><td></td></tr> <tr><td>A. Mitting, light pink, 4-inch bloom</td><td></td><td>10.00</td><td></td><td></td></tr> <tr><td>Mrs. A. Mitting, clear light pink, 3 1/4-inch bloom</td><td></td><td>10.00</td><td></td><td></td></tr> <tr><td>Master De Roo Mitting, a fine white, 3-inch bloom</td><td></td><td>10.00</td><td></td><td></td></tr> </table>	Mrs. F. Joost	Per 100	Per 1000	2.00	15.00	Flora Hill	1.50	12.00			Argyle	1.50	12.00			Daybreak	1.50	12.00			Wm. Scott	1.25	10.00			Armazindy	1.25	10.00			A. Mitting, light pink, 4-inch bloom		10.00			Mrs. A. Mitting, clear light pink, 3 1/4-inch bloom		10.00			Master De Roo Mitting, a fine white, 3-inch bloom		10.00		
Mrs. Thos. W. Lawson	Per 100	Per 1000	\$ 7.00	\$60.00																																																																																																											
Olympia	5.00	40.00																																																																																																													
Genevieve Lord	4.00	35.00																																																																																																													
Ethel Crocker	4.00	35.00																																																																																																													
Morning Glory	4.00	35.00																																																																																																													
Mrs. G. M. Bradt	3.00	25.00																																																																																																													
G. H. Crane	3.00	25.00																																																																																																													
Peru	3.00	25.00																																																																																																													
America	3.00	25.00																																																																																																													
Gold Nugget	3.00	25.00																																																																																																													
Gen. Maceo	2.50	20.00																																																																																																													
Gen. Gomez	2.00	15.00																																																																																																													
White Cloud	1.50	12.50																																																																																																													
Mrs. F. Joost	Per 100	Per 1000	2.00	15.00																																																																																																											
Flora Hill	1.50	12.00																																																																																																													
Argyle	1.50	12.00																																																																																																													
Daybreak	1.50	12.00																																																																																																													
Wm. Scott	1.25	10.00																																																																																																													
Armazindy	1.25	10.00																																																																																																													
A. Mitting, light pink, 4-inch bloom		10.00																																																																																																													
Mrs. A. Mitting, clear light pink, 3 1/4-inch bloom		10.00																																																																																																													
Master De Roo Mitting, a fine white, 3-inch bloom		10.00																																																																																																													

25 Cuttings at 100 rates; 250 at 1000 rates. Cash or C. O. D.

THE MORRIS FLORAL CO., - Morris, Ill.

DOROTHY

Seedling pink Carnation, Scott color. Commercially the best of all Carnations yet introduced. Certificates awarded at Chicago, Philadelphia and Cincinnati. Rooted Cuttings, \$10 per 100; \$75 per 1000.

Also Rooted Cuttings of

GENEVIEVE LORD

\$6.00 per 100; \$50.00 per 1000. Orders booked now for rooted cuttings of above varieties.

E. T. GRAVE, Richmond, Ind.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

THE BIG FOUR.

OUR INTRODUCTIONS OF NEW CARNATIONS
 FOR 1901.

Sunbeam: Extra bright flesh pink, early free and continuous bloomer. Flowers of good form and size, borne on long stiff stems. Per doz. \$1.50 Per 100 \$10 Per 1000 \$75

Bon Homme Richard: White, extra-ordinary free bloomer; fine form, good size. Stems 2½ to 3 feet long. Per doz. \$1.50 Per 100 \$10 Per 1000 \$75

Nydia: Variegated, salmon stripe on white ground. Quick seller, extremely free bloomer, fine form and stiff stem. Per doz. \$1.50 Per 100 \$10 Per 1000 \$75

Prolifica: Cerise pink. Very long, stiff stems, large flowers, and as its name indicates, an extra free bloomer. First lot ready Feb. 1, of the above four vars. Per doz. \$1.50 Per 100 \$10 Per 1000 \$75

OTHER VARIETIES.

	Per 100	Per 1000
Mrs. Thos. W. Lawson.....cerise pink.....	\$7.00	\$60.00
Olympia.....variegated.....	5.00	40.00
Marquis.....pink.....	5.00	40.00
Genevieve Lord.....".....	5.00	40.00
Ethel Crocker.....".....	4.00	35.00
Morning Glory.....light pink.....	4.00	35.00
Mrs. Geo. M. Bradt.....variegated.....	3.00	25.00
G. H. Crane.....scarlet.....	3.00	25.00
Chicago.....".....	3.00	25.00
America.....".....	3.00	25.00
Gold Nugget.....yellow.....	3.00	25.00
Gen. Maceo.....crimson.....	2.00	15.00
Gen. Gomez.....".....	2.00	15.00
White Cloud.....white.....	2.00	15.00
Mrs. Frances Joost.....pink.....	2.00	15.00
Mrs. Jas. Dean.....".....	2.00	15.00
Jubilee.....scarlet.....	2.00	15.00
John Young.....white.....	1.50	12.00
Flora Hill.....".....	1.50	12.00
Argyle.....cerise pink.....	1.50	12.00
Daybreak.....light pink.....	1.50	12.00
William Scott.....pink.....	1.00	8.00
Evelina.....white.....	1.00	8.00
Armazindy.....variegated.....	1.00	8.00

ROOTED CUTTINGS OF STANDARD VARIETIES
 READY JANUARY 1ST. WRITE FOR
 DESCRIPTIVE CATALOGUE.

CHICAGO CARNATION COMPANY

Joliet, Illinois.

Rooted
 Cuttings

Carnations

	Per 100	Per 1000
Mrs. Lawson.....	\$6.00	
The Marquis.....	5.00	\$45.00
Ethel Crocker.....	4.00	30.00
Mrs. Bradt.....	2.50	20.00
Joost.....	1.50	12.50
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.50
Triumph.....	1.50	12.50
Jubilee.....	1.50	12.50
Daybreak.....	1.50	12.50
Armazindy.....	1.50	12.50
Wm. Scott.....	1.00	7.50
Thos. Cartledge.....	1.00	7.50
Red Jacket.....	1.00	7.50
Victor.....	1.00	7.50
McGowan.....	1.00	7.50

Fine, stocky, absolutely free from stem rot or other disease.

STOCK CHRYSANTHEMUMS.

Chadwick, Xenon, Nagoya, Lucie Faure, 10c each, \$1.00 per dozen.
 Queen, Yellow Queen, Bloodgood, Modesto, 75c per dozen.

F. E. SHAW, 326-28 Sunset Av.
 UTICA, N. Y.

CARNATIONS

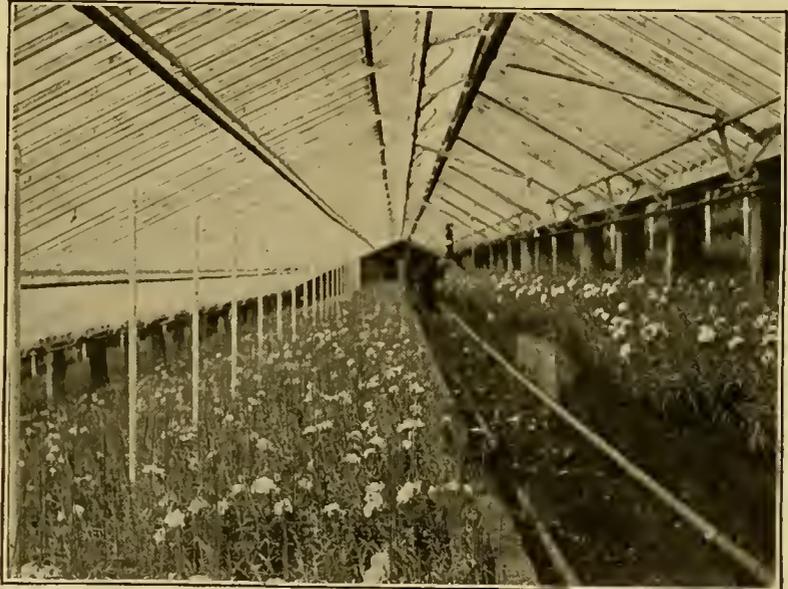
Rooted Cuttings, all fine.

	Per 100	Per 1000
Lawson.....	\$5.00	\$50.00
Olympia.....	6.00	50.00
Crocker.....	5.00	45.00
Lord.....	5.00	45.00
Peru.....	5.00	45.00
Marquis.....	5.00	45.00
Crane.....	3.00	25.00
America.....	3.00	25.00
Bradt.....	3.00	25.00
Pingree.....	3.00	25.00
Morning Glory.....	3.00	25.00
Glacier.....	3.00	25.00
White Cloud.....	2.00	17.50
Jubilee.....	2.00	17.50
Maceo.....	2.00	17.50
Wood.....	2.00	17.50
Daybreak.....	1.50	12.50
Triumph.....	1.50	12.50
Joost.....	1.50	12.50
Scott.....	1.00	8.00

We refer you to trade papers' report of St. Louis Chrysanthemum Show as to quality of our stock.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

A good adv. in a good paper will bring good returns



FROM PHOTOGRAPH OF QUEEN LOUISE TAKEN OCT. 28th, 1900.

QUEEN LOUISE CARNATION

This new Carnation produces the finest flowers, is perfectly healthy and is the best white variety ever introduced.

IT BLOOMS EARLY — IT BLOOMS LATE — IT BLOOMS ALL THE TIME.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November. No other Carnation can stand such a test.

Price \$10 per 100, \$75 per 1000.

Rooted Cuttings ready February 15th. Come and see it or send for circular.

J. L. DILLON, Bloomsburg, Pa.

He Told The Truth when he said
ETHEL CROCKER is absolutely the best pink Carnation ever offered. Without question this peerless variety is the best money maker in sight. How many do you want? Fine healthy rooted cuttings NOW READY.
 \$4.00 per 100, \$30.00 per 1000 for cash with order.

W. W. COLES, Kokomo, Ind.

We are booking orders for Rooted Cuttings of
CARNATIONS,
 All the best varieties. Write us.
GEO. HANCOCK & SON, Grand Haven, Mich.

ROOTED CUTTINGS CARNATIONS.

Ethel Crocker.....100, \$4.00; 1000, \$30.00
 White Cloud....." 2.00; " 15.00
 Alaska (white)....." 1.00; " 7.50

ROSES.

Golden Gate.....100, \$2.50; 1000, \$20.00
 Bride....." 1.50; " 12.50
 Bridesmaid....." 1.50; " 12.50

GEO. HARRER, Morton Grove, Ill.

ROOTED CUTTINGS CARNATIONS.

	Per 100	Per 1000
CRANE.....	\$3.00	\$25.00
BRADT.....	2.50	20.00
EVANSTON.....	2.00	17.50
JOOST.....	1.50	12.50
WHITE CLOUD.....	1.50	12.50
FLORA HILL.....	1.50	12.50
DAYBREAK.....	1.50	12.50
TRIUMPH.....	1.50	12.50
ARMAZINDY.....	1.50	12.50
TIDAL WAVE.....	1.50	12.50
WM. SCOTT.....	1.00	8.00
MRS. LAWSON.....	5.00	
ETHEL CROCKER.....	5.00	
MARQUIS.....	4.00	
GENEVIEVE LORD.....	4.00	
IRENE..... Per doz., \$1.50; 10.00		75.00

ROSES.

KAISERIN.....	\$1.50	\$12.50
LA FRANCE.....	1.50	12.50
METEOR.....	1.50	12.50
PERLE.....	1.50	12.50
BRIDE.....	1.50	12.50
BRIDESMAID.....	1.50	12.50
GOLDEN GATE.....	2.50	20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

STUDENTS RETURNING HOME

for holiday vacations can, upon presentation of proper credentials, obtain tickets via Nickel Plate Road, to all points in Central Passenger Association territory, at a fare and a third for the round trip. Tickets will be sold on day of closing school and on day immediately preceding closing date; good returning until date school reconvenes, but not later than January 8, 1901. For information as to train service to Ft. Wayne, Cleveland, Fostoria, Erie and other points, call on or address, John Y. Calahan, General Agent, 111 Adams St., Chicago. Passenger Station, Van Buren St. and Pacific Ave., on the Elevated Loop. 43

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$4.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,

199 Grant Avenue, JERSEY CITY, N. J.

Beautiful Ferns

DAVALLOIDES FURCANS, BOSTONIENSIS and WASHINGTONIENSIS, from 8-in. pots, with two to four feet long fronds, at \$1.00 each; \$10 per dozen. For other choice and rare plants, see my adv., page 508 of this paper, or write for a copy.

N. STUODER, ANACOSTIA, D. C.

GERANIUM AMERICA

A Queen Among Geraniums.

Color: From purest white to deepest rose.

Dwarfness: "Just right."

Floriferousness: Astonishing.

Strong Plants, \$8 per 100, 25 at 100 rate. Ready now.

HENRY EICHHOLZ, Waynesboro, Pa.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A., SADDLE RIVER, N. J.

NEW CARNATIONS FOR 1901.

Lorna—(Dorner). Pure white, a decided improvement on White Cloud in size, habit stem, form, color and continuous blooming. \$10 per 100; \$75 per 1000.

Mermaid—(Dorner). Salmon pink, large flower, good color, early and extremely free. Stem a little weak after transplanting but improves quickly. A good summer bloomer in the field. \$6 per 100; \$50 per 1000.

Roosevelt—(Ward). Rich brilliant scarlet, shaded maroon. Early and free. The peer of all dark Carnations. \$12 per 100; \$100 per 1000.

Prosperity—(Dailedouze). White overlaid with pink. An exceptionally large Carnation. The winner of the Lawson Gold Medal in 1900. \$16 per 100; \$130 per 1000.

Irene—(Crabb & Hunter). Commercial pink Carnation. Free and continuous bloomer. \$10 per 100; \$75 per 1000.

Let us book your order now for the new varieties. Also for the 1900 Novelties—Crocker, Lawson, G. Lord, Marquis, Olympia and Peru.

F. Dorner & ... Sons Co. Lafayette, Indiana.

We make a specialty of rooted cuttings.

We are HEADQUARTERS for Choice LILY OF THE VALLEY PIPS.

"LONDON MARKET" BRAND. The Finest Strain of Valley Pips in Existence.

PRICES: Per 100, \$1.75; 1000, \$14.50.

Write for prices on larger quantities.

"PREMIUM" BRAND.

A High Grade Pip.

Equal to "London Market" brand for late forcing.

Per 100	\$ 1.50
" 1,000	12.50
" 2,000	24.50
" 5,000	60.00

"INTERNATIONAL" BRAND.

This is a selected grade of "Berlin" or sand pips and will give excellent satisfaction, not to be compared with "Hamburg" grown "second class" stock offered at low prices.

Per 100.....	\$ 1.25
" 1,000.....	10.25
" 2,000.....	20.00
" 5,000.....	47.50

CHICAGO: **VAUGHAN'S SEED STORE**, NEW YORK: 84-86 Randolph Street. 14 Barclay Street.

CARNATIONS

ROOTED CUTTINGS

We are booking orders now for cuttings at the following prices:

G. H. CRANE.....	\$25.00 per 1000	WHITE CLOUD.....	\$12.50 per 1000
MRS. BRADT.....	25.00 "	FLORA HILL.....	10.00 "
MADAM CHAPMAN.....	25.00 "	MCGOWAN.....	10.00 "
DAYBREAK.....	12.50 "	ELDORADO.....	10.00 "

We have the largest and finest stock of these varieties to be seen anywhere and will have large quantities of Cuttings during the season. If you are in need of a large lot write me and get special price. Can save you money. We also have the blooms of the above varieties at market quotations. Violet blooms at all times.

Address **CHAS. CHADWICK**, Grand Rapids, Mich. Lock Box 11

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches;

OTAKSA,

PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO., 324 Dearborn St., CHICAGO.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, Seed Grower,

Quedlinburg, Germany.

Washington.

TRADE VERY GOOD AND PROSPECTS BRIGHT. — DECORATIONS IN DEMAND. — SOCIAL ACTIVITY MAKES BUSINESS.

Trade has been very good the past week and everybody is looking forward to and making preparations for a big Christmas and New Year's trade. Roses are in demand and are bringing fair prices, American Beauty from \$9 to \$12 per dozen and teas from \$1 to \$6 per dozen. Violets are good and average about \$1.50 per hundred. Carnations continue scarce. Poinsettias are plentiful and very good this year.

J. Louis Loose had the decoration for the Farquhar-Garton wedding at St. John's church, December 12. The chancel was banked with palms and other foliage plants and the altar vases filled with white roses. The Bride carried a bouquet of Bride roses and the maid of honor a bouquet of Bridesmaid roses.

The decorations at the White House for the national capital centennial were rather plainer than usual. The dining room was tastefully decorated, the table centerpiece being of pink chrysanthemums and the mantles banked with Begonia Gloire de Lorraine and ferns.

Z. D. Blackstone had the large decorations for the recent Shepherd-Wagner wedding. He also decorated three of the automobiles for the floral parade at Convention Hall Thursday night, the one decked with 300 La France roses winning first prize.

Clark Brothers have quite a lot of fine chrysanthemums and good heads of poinsettias. They are also cutting some fine blooms of Souvenir de President Carnot.

The American Rose Company has a large house of poinsettias, some almost twenty-four inches across.

James Rosh Marshall will have charge of the decorations for the inaugural ball.

P. G.

SAINT PETER, MINN.—T. Kloss has been extending his greenhouses and enlarging his office building.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/4-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early From

Money Order Office,
Sta. H. Philadelphia.

EDWIN LONSDALE,
Wynndmoor,
(Near Phila.) Pa.

N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

Orchids!



We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.

Asparagus Sprengeri—Strong 3 1/4-in., \$6.00 per 100.

New Rose Snowflake—The Daisy Rose, \$10 per 100.

New Lace Fern—Fronds last a month, \$6.00 per 100.

New Russelia Multiflora—2 1/4-inch, \$4.00 per 100.

60 New Plants not to be Had Elsewhere.

Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$20.

Cannas, Dahlias, and all summer blooming bulbs.

Electros and Cuts for Florists and Seedmen.

A. BLANC, PHILADELPHIA, PA.

ROSES

CRIMSON RAMBLER, extra strong.....\$12.00 per 100.
HYBRID PERPETUAL, in fine assortment.....\$10.00 per 100, \$90.00 per 1000.
HYBRID PERPETUAL, in fine assortment, 2d size..... 6.00 " 50.00 "
These are well rooted, good stock, but not quite heavy enough to go into first grade.

AZALEAS

Stock in excellent shape, well set with buds.

10 to 12-inch crowns.....\$35.00 per 100 12 to 14-inch crowns.....\$45.00 per 100

SPIRAEAS

JAPONICA.....\$35.00 per 100 ASTILBOIDES FLORIBUNDA \$4.00 per 100
NANA COMPACTA.....\$5.00 per 100

PALMS

KENTIA BELMOREANA, 2 1/4-inch pots.....\$8.00 per 100, \$75.00 per 1000
KENTIA BELMOREANA, 3-inch pots, 4 and 5 leaves.....\$15.00 per 100
KENTIA BELMOREANA, 4 inch pots, 14 to 16 inches high..... 30.00 "
KENTIA BELMOREANA, 5-inch pots, 18 inches high..... 60.00 "
KENTIA BELMOREANA, 5 and 6-inch pots, 18 to 22 inches high..... 75.00 "
KENTIA FORSTERIANA, 2 1/4-inch pots..... 10.00 "
KENTIA FORSTERIANA, 3-inch pots, 12 inches high..... 15.00 "
KENTIA FORSTERIANA, 4-inch pots, 15 to 18 inches high..... 35.00 "
KENTIA FORSTERIANA, 5-inch pots, 18 to 22 inches high..... 50.00 "
KENTIA FORSTERIANA, 5 and 6 inch pots, 24 to 28 inches high..... 75.00 "
ARECA LUTESCENS, 2 1/2-inch pots.....\$6.00 per 100, \$50.00 per 1000

ASPARAGUS

PLUMOSUS NANUS, 2 1/4-in. pots... \$ 5.00 per 100 SPRENGERII, 2 1/4-in. pots.....\$3.00 per 100
PLUMOSUS NANUS, 3-in. pots..... 6.00 " SPRENGERII, 3-in. pots..... 5.00 "
PLUMOSUS NANUS, 4-in. pots..... 12.00 " SPRENGERII, 4-in. pots..... 8.00 "

BOSTON FERNS

Strong 2-inch pots.....\$3.00 per 100, \$25.00 per 1000

THE STORRS & HARRISON CO., Painesville, O.

Ball's Palms, &c.

CHOICE HARDY STOCK, EXTRA STRONG.

Areca Lutescens, several plants, 4-inch, @ 25c; 6-in. @ 50c and 75c; 8-in. @ \$1.50; 10-in. @ \$4.00 and \$5.00. Large specimens, 14-in. and 16-in. @ \$17.50 to \$35.00.

Latania Borbonica, 4-in. @ 25c; 6-in. @ 50c and 75c. Made up, 3 plants together, large and showy, 6-in. @ 75c; 8-in @ \$1.

Kentia Forsteriana, 3-in. @ 20c and 25c; 4-in. @ 40c and 50c.

Kentia Belmoreana, 3 in. @ 20c and 25c; 4-in. @ 40c and 50c; 5-in. @ 75c; 6-in. @ \$1.00 and \$1.25; 8-in. @ \$2.00.

Livistona Rotundifolia, strong, 4-in. @ 40c; 5-in @ 75c.

Pandanus Veitchii, 6-in. @ \$1.00; 8 in. @ \$2.00.

Ficus Elastica, Araucaria Excelsa, Draecena Terminalis, etc., etc.

CHAS. D. BALL,

HOLMESBURG, PHILA., PA.

Price Lists

Boston Ferns.

TRUE TO NAME.

Small plants from bench.....\$ 1.00 per 100
7,000 2-inch..... 2.00 "
4,000 3-inch..... 4.00 "

Let us grow your large Ferns for next summer and fall delivery. Our prices are surprisingly low. Write us.

DAVIS BROS., : Morrison. Ill.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL.
(N. Halsted St.)

300 RUBBER PLANTS,
4000 BOSTON FERNS, ALL SIZES
AND Davallioides Furcans.

Ageratum Stella Gurney.

Write for Prices.

CAPITOL GREENHOUSES, Springfield, Illinois.
LOUIS UNVERZAOT, Proprietor.

Rooted Rose Cuttings

Meteors, Brides, Maids, Kaiserin, Perles, Beauties, Golden Gate, LaFrance, Belle Siebrecht, Pres. Carnot, Woottons, 2-inch stock.

Don't Forget BOSTON FERNS, all sizes. Write

GEO. A. KUHL, - Pekin, Ill.

DAISIES,

hardy, large plants, Snowball, Longfellow, 40c per 100; \$2.50 per 1000.

FORGET-ME-NOT, fine clumps, 75c per 100; \$5.00 per 1000.

MIGNONEITE (Allen's Defiance), large plants out of 2 1/2-inch \$2.50 per 100.

J. C. Schmidt, Bristol, Pa.

Hardy Herbaceous

AND Alpine Plants. Field-Grown

A Complete Assortment of Old and New Vars.

The Blue Hill Nursery, So. Braintree, Mass.
CORRESPONDENCE SOLICITED.

SUCCESSFUL SELLERS

are the successful growers who advertise in

THE AMERICAN FLORIST.

NOVELTIES FOR SPRING OF 1901.

CHRYSANTHEMUMS. OUR OWN INTRODUCTION.

Iolantha. An early incurved pink. Best yet produced.
Omega. Second early yellow of the Vivaud-Merel type.
Mrs. Elmer D. Smith. A closely incurved Japanese variety. An improvement on Maj. Bonaffon.

All of the above have been certificated by the C. S. A. Price: 50c each; \$5.00 per dozen; \$35.00 per 100. Ready April 1st, 1901. We are also booking orders for **Timothy Eaton**, the sensation of the season. 50c each; \$5.00 per doz.; \$30.00 per 100. Ready April 1, 1900. **Eight New Pompons**, Possessing new forms and colors and including several light pinks that are very desirable.

Argenta, Zeroff and Rosina are our three Mizpah Seedlings, pure white, yellow and light pink respectively. These will be valuable additions to the dwarf, decorative class. Also **Phallena (Double Mizpah)**. The above, 25c each; \$2.50 per doz. Ready April 1, 1901.

We can furnish all novelties disseminated the coming season at introducers' prices.

In **European Novelties** we have the following to offer: Miss Anna Hills, Mrs. Coombes, Madeline Davis, Lord Cromer, Walleroo, Miss May Manser, Mrs. Barkley, Mrs. Ritson (White Moor), C. S. A. Cert.; Etoile de Feu, Salome, J. B. Upton, Souv. de Pierre Desblanc, M. Louis Remy, Miss Maud Douglass, M. de Marcere, Mme. Noel Martin, Annie Prevost, Sunset, Miss Aliee Byron, Mlle. D'Estienne, Mme. Von Aodre (Yellow Mutual Friend), La Saone, Princess Bassaraba. Prices and descriptions on application. Tested Novelties of 1900. From 2 1/4-inch pots. Ready February 1, 1900.

Goldmine, Col. O. Appleton, Orizaba, 10c each; \$8.00 per 100.
Monrovia, Lavender Queen, White Bonaffon, Intensity, Superba and **Walter Molatsch**, 10c each; \$6.00 per 100.

Our collection of Chrysanthemums is the most complete in this country and shall be pleased to submit list of varieties for any special purpose.

THE FAMOUS NEW ROSE "QUEEN OF EDGELY."

Orders booked now for Spring delivery. Strong plants from 2 1/4-inch pots, \$1.00 each; \$9.00 per dozen.

Our Collection of Pelargoniums will include several fine Novelties.

Our Preliminary List is now ready and free to all applicants. It contains brief descriptions of the best Novelties offered in Chrysanthemums, Carnations, Cannas, Roses and Geraniums, and all standard varieties of commercial value.

NATHAN SMITH & SON, ADRIAN, MICH.

CARNATION NOVELTIES.

We are able to furnish any Novelties not listed, at introducers' prices and date of delivery.

Prosperity, (Formerly known and exhibited as No. 666). Winner of many certificates. \$5.00 per dozen; \$16.00 per 100.

Gov. Roosevelt. Brilliant maroon, \$2.50 per dozen; \$12.00 per 100.

Norway. Pure white, \$1.50 per dozen; \$10.00 per 100.

Egypt. Scarlet crimson, \$1.50 per dozen; \$10.00 per 100.

Lorna. Pure white. Improved White Cloud, \$2.00 per dozen; \$10.00 per 100.

Mermaid. Salmon pink, \$1.00 per dozen; \$6.00 per 100.

We shall have a complete line of the recent introductions including Mrs. Lawson, Elhel Crocker, G. Lord, Morning Glory, The Marquis, Etc. Also such standard sorts as: Flora Hill, G. H. Crane, White Cloud, Gen. Maceo, Etc.

NEW CANNAS.

Do not fail to secure stock of the two new hybrid Orchid-flowered Cannas Pennsylvania and Mrs. Kale Gray, also the cream of Crozy's most recent introductions, such as: Connless de Bretouil, Mme. Louis Druz, Souv. de Mme. Nardy, Chas. Motin, J. Aymard, C. Orevet and Mme. Alfred Blanc.

In standard varieties we have a large stock of the following and other favorites: Alph. Bouvier, Chas. Henderson, Burbank, Queen Charlotte, Martha Washington, Egandale, etc.

GERANIUMS

Of recent introduction, including the three Tom Thumbs: Mrs. America and Little Pink. The following from 2 1/4-inch pots. Ready now, 15c each; \$10.00 per 100.

Mme. Landry. Semi-double Bruant, apricot salmon.

Jean Viand. Semi-double Bruant, beautiful shade of bright rose. A magnificent variety.

Emanuel Arene. Rich scarlet, with large pure white eye. Double.

Richelieu. Double crimson. A grand acquisition.

We have many others of decided merit. We also have a large stock of the best bedding varieties ready for immediate shipment.

CALADIUMS Fancy leaved, 40 named sorts.

	Per 100	Per 1000
Dry bulbs, 1 1/4 to 2 1/4-in.....	\$10.00	\$90.00
Dry bulbs, 1 to 1 1/4-in.....	8.00	70.00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in..... \$30.00

PHENIX CANARIENSIS & TENUIS, Very stocky,

3-4 characterized leaves, 15-18-in.....	15.00
4-5 " " 20-24 ".....	25.00
5-6 " " 24-30 ".....	40.00

PHENIX RECLINATA, 3-4 characterized leaves, 15-18-in., very stocky..... 25.00

LATANIA, 4-5 characterized leaves, 18-20-in..... 25.00

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in..... 12.00

Not less than 50 at above rates. Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.

Geraniums

ROOTED CUTTINGS SOLD OUT.

A few thousand QUEEN OF WEST, extra strong, left.

Second lot will be ready the 1st of February.

Send for Price List.

PETER BROWN, Lancaster, Pa.

Asparagus Sprengeri,

Strong 2 1/2-in.....	per 100	\$3.00
Strong 3-in.....	"	4.00
BEGONIA Ricinifolia and Speculata, 3-in.....	"	7.00
CISSUS Dicolor, 2-in.....	"	4.00

KENNEDY & FARNHAM, Carrollton, Mo.



CHRYSANTHEMUMS.

Stock Plants of the following late varieties.....

BONNAFFON	H. W. RIEMAN
WESTERN KING	YANOMA
GRETCHEN BUETTNER	MERRY CHRISTMAS
MRS. MURDOCK.	\$1.00 a Dozen.

INGRAM & LYNES, Reading, Mass.

Please mention the American Florist when writing

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

Forcing Plants

AZALEA INDICA . See former issues.	Per 100
Spiraea Japonica	\$ 3.50
" Compacta.....	4.00
" Astilboides Floribunda.....	4.00
" Plumosa Alba (new).....	15.00
" Palmata, scarlet.....	5.00
" " Elegans.....	5.00
" " Alba.....	5.00
Dielstra Spectabilis (Bleeding Heart)	5.00
Paeconia Officialis rubra pl	5.00
" alba plena.....	20.00
" Tenuifolia fl. pl.....	18.00
MONTHLY ROSES , Hermosa, pink.....	10.00
" Agrippina, dark red.....	10.00
" Clothilde Soupert.....	12.00
H. P. Roses , low budded, leading kinds.....	10.00
Crimson Rambler , extra strong.....	15.00
Hydrangea Otaksa , 4-6 shoots.....	12.00

BOBBINK & ATKINS, Rutherford, N. J.

Please mention the American Florist when writing.

F. B. Hayes

The best late pink Chrysanthemum. Stock plants for sale, \$2.00 per doz., \$15.00 per hundred.

WILLIAM SIM, Cliffondale, Mas

CHRYSANTHEMUMS.

Stock plants, variety unexcelled, from benches and 8-in. pots, packed light \$5 per 100; 5 per cent for cash with order. White: Mme. Bergman, Ivory, Merry Christmas, White Swan, Mrs. Jerome Jones, Mrs. H. Robinson, Queen, Niveus, Domination, Yanoma, Evangeline, Wanemaker, Pink: Autumn Glory, Harry Balsley, V.-Morel, Glory of the Pacific, Helen Bloodgood, Pink Ivory, Pres. Smith. Red: Cullingfordii. Yellow: Clara Goodman, Eugene Daille-douze, Hicks Arnold, Harry May, Mrs. L. C. Maderin, Golden Wedding, W. H. Lincoln, Yellow Fellow, Golden Hair, Harry Hurrell. 25 at 100 rate.

JOHN J. ARNOLD, Homer, N. Y.

Galveston, Tex.

SUFFERERS BY THE GREAT STORM ARE BUSY REBUILDING.—EVERYBODY CHEERFUL.—CLOTHING COMES IN TIME.—VARIOUS NOTES.

The weather is fine here just now, and the ground that was full of salt mud after the storm is beginning to get life again. Some of the cratt have fine stands of seedlings; pansies, daisies, sweet peas, cicerarias and vegetable plants are pushing along without showing any bad effects from the flood. All the brethren look with confidence and good cheer to the future without mourning their financial losses. Most of them are rebuilding and repairing their houses, putting in glass to keep out the cold northers that usually visit us at this time of the year and tending to the stock of plants that their generous brother craftsmen from north and south, west and east have so kindly contributed to them. All of us feel the nearness of our friends and we wish them a merry, merry Christmas.

We had our regular meeting on December 13, and, as Mr. Ward's box of clothing had arrived, nearly all of us were made happy by receiving some warm clothing, either for ourselves or our children. F. J. Laeverenz, our worthy secretary, showed himself adept in distributing and fitting the clothes to the recipients.

Mrs. John Maurer has her greenhouse finished and so has Chas. Steding. Paul Pappé is building. J. D. Pruessner has one house and some cold frames filled with plants. He is also repairing a house 20x60, which will be ready in ten days, and building an office 18x20.

We all look with some hopes to a fair Christmas trade, though all kinds of greens, such as smilax, holly and mistletoe are scarce this year, owing to the storm.

Otto Fehrlin is in New York and Mrs. Fehrlin, with the two children, is preparing to join him soon. J. D. P.

SAUGERTIES, N. Y.—M. J. Barry is dangerously ill with typhoid fever.

XXX SEEDS

VERBENA GRANDIFLORA—Improved Giants, very fine, mixed colors, 800 seeds, 50c.

CHINESE PRIMROSE—Finest strain grown; large flowering fringed, fifteen varieties, single and double, mixed; 500 seeds, \$1.00; half pkt., 50c.

PANSY, FINEST GIANTS—The very choicest large flowering varieties mixed; 3500 seeds, \$1.00; half pkt., 50c.

PHLOX DRUMMONDII, PUMILIA COMPACTA—New, very dwarf and compact, perfect beauties, nothing finer in Phloxes yet offered, all colors mixed; pkt., 20c.

Choice Extras Added to Every Order.

JOHN F. RUPP, Shiremanstown, Pa. The Home of Primroses.

A. SPRENGERII

Ex. strong plants from 2 1/2-in. pots, ready for 3-in., \$2.50 per 100; \$20 per 1000.

The finest stock offered for this price.

JACKSON & PERKINS CO., Newark, New York.

PRIMROSES.

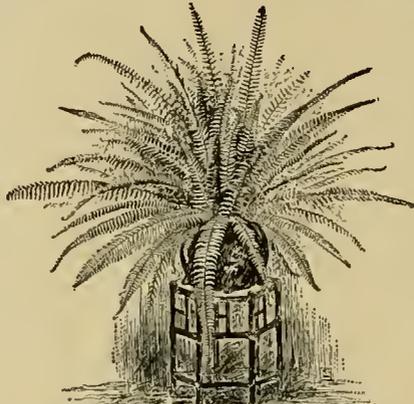
Per 100
1000 Chinese mixed, 2-in. pots.....\$1 00
Asparagus Sprengerii.....2 00
Alternanthera, red and yellow, February 1st.....2 00
Geraniums, my selection.....3 00
Wanted, 10,000 Seeds Asparagus Plumosus Nanus.

Cash. JOS. H. CUNNINGHAM, Delaware, O.



SILVER BIRCH BARK WARE.

PRICES PER DOZ.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88; Fern Covers, 4 in. \$1.80; 5-in. \$2.40; 6-in. \$3.00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 14-in. per doz. \$11; 11-in. \$9; 9-in. \$7. References: Geo. Wittbold Co., E. Wienhoeber, C. A. Samuelson, Chicago. J. A. LYNN, 1442 WRIGHTWOOD AVE., CHICAGO.



BOSTON FERN A Specialty.

20,000 very fine plants at \$25 and \$30 per 100. Small plants, \$5 per 100; \$40 per 1000. ASPARAGUS P. NANUS and SPRENGERII for 4-in., at \$5.00 per 100. SMALL PALMS and FIGUSES. L. H. FOSTER, 45 King St., Dorchester, Mass.

DON'T GET LEFT

ON GERANIUMS. They are going very fast at \$3 per 100, \$25 per 1000 out of 2 1/2-in. pots, ready for shifting into 3 or 4-in. Composed of the following varieties: S. A. Nutt, Frances Perkins, LaFavorite, E. G. Hill, Beaute Poitevine, Wm. Pfitzer, Ruy Blas, Double Grant and in fact all the leading vars. Ageratum, 2 1/2-in. pots, Princess Pauline, Cope's Pet, White Cap, \$1 per 100. R. C. 50c per 100. Fuchsias in variety, R. C., \$1 per 100. Coleus, 2 1/2-in. pot, \$1.50 per 100. R. C. 50c per 100. Cash Must Accompany Order.

J. E. FELTHOUSEN, Schenectady, N. Y. Please mention the American Florist when writing.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots. CARNATIONS, for all delivery. CHRYSANTHEMUMS. SMILAX. VIOLETS. Prices low. Send for list. WOOD BROTHERS, FISHKILL, N. Y.

LETTUCE....

Big Boston, Boston Market and other varieties, 15c per 100; \$1.00 per 1000; \$8.50 per 10,000. If by mail add 10c per 100.

CABBAGE

Wakefield and Succession, 25c per 100; \$1.25 per 1000. If by mail add 20c per 100. CASH WITH ORDER. Other vegetable plants, also flower plants. Send for list.

R. VINCENT, Jr., & SON, White Marsh, Md.

Strawberry Plants

Brandywine, Clyde, Michel's Early, fine plants at \$2 per 1000, 25c per 100. Shipped safely by freight or express. Terms cash. J. M. LOVELACE, Marion, Ala. Please mention the American Florist when writing.



VERBENA KING.

Express prepaid on all Rooted Cuttings. Ready Dec. 5. Verbenas, 40 best mammoth vars. 60c per 100; \$5.00 per 1000. Alternanthera, red and yellow, 60c per 100; \$5 per 1000. Ageratum, 4 best vars., 60c-75c per 100; \$5.00-\$6.00 per 1000. Heliotropes, 10 best vars. \$1 per 100; \$8 per 1000.

Daisies, 2 best vars., \$1 00 per 100; \$8.00 per 1000. Send for our new list of other rooted cuttings and plants; it will save you money. Write for prices on larger lots.

C. HUMFELD, Clay Center, Kas.

3 - Great Glories - 3

BEGONIA GLOIRE DE LORRAINE, 2 1/4-inch pots, \$15.00 per 100. BEGONIA GLOIRE DE LORRAINE Nana Compacta, 2 1/4-inch pots, \$15.00 per 100. BEGONIA CALEDONIA, "The White Lorraine," 3 1/4-inch pots, \$5.00 each. This stock guaranteed absolutely free from disease. THOMAS ROLAND, Nahant, Mass.

AGERATUM "Stella Gurney."

As necessary to your bedding stock as coleus or geraniums. Dwarf in growth, true blue and always in bloom. Strong pot plants at 75 cts. per Doz.; \$5.00 per 100. ALBERT M. HERR, Lancaster, Pa.

Palms & Ferns.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL. Write for Price List. J. B. HEISS, The Exotic Nurseries, DAYTON, OHIO.

ROBT. CRAIG & SON
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA PA.

IF THERE IS ANYTHING you want in the way of PREPARED PALMS

Whether the raw materials or the finished goods, you will get best satisfaction and service from the right people on the right spot. Florida Natural Products Co., Jacksonville, Fla. Branch Store, Indianapolis, Ind. Inquiries Cheerfully Answered.

VIOLET RUNNERS, 25,000 STRONG ROOTED RUNNERS. LADY CAMPBELL VIOLETS. From sand, \$5 per M; fr. soil \$7.50 per M. Samples free. WM. SWAYNE, Kennett Square, Pa.

CHRISTMAS SPECIALTIES

Crimped Paper Pot-covers in eleven different combinations—just what is wanted to make plants look effective. **SILK CORDS AND TASSELS** are being extensively used by the leading florists for tying up Violets, loose bunches, and on handles of baskets. Do not fail to see our new Gauze Ribbons No. 5 with three inch knotted silk tassels—the very latest for fine trade; can be had in White, Violet, Lavender, Lemon, Pink, Nile, Foliage Green, American Beauty and Meteor.

M. RICE & CO., Leading Florists' Supply House, 918 Filbert St., Philadelphia, Pa.

TOBACCO DUST,

FREE FROM ANY DIRT OR FOREIGN MATTER.

\$10 per 1000 lbs.

SAMPLE SENT IF REQUESTED.

MACK TOBACCO CO.,

Canal and Plum Streets, Cincinnati, Ohio.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you **SILKALINES.** up on.....

84 Kingston St., BOSTON, MASS.

MEYER SILKALINE is for sale by all the leading seedsmen and jobbers throughout the country.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brassed and nickled, with three clasps for 3 to 3-in. pots, each \$1.75. Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
1725 Chestnut St. Philadelphia, Penn.

The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until the burn heap is reached. It does the work much better than a hand rake and three times as fast. Easy to operate. Given certificate of merit at N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.

FINLEY LAWN RAKE CO., Joliet, Ill.



Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your seedsmen doesn't handle them, order of us direct.
FACTORY AND OFFICE:
150-152 WEDDER ST., CHICAGO.
TELEPHONE NORTH 822.

BEST AND CHEAPEST
ALL-ROUND INSECTICIDE on the Market.



For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.



CYCLONE SPRAY PUMP
THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hon-Roots, etc. All tin, 50c.; all polished copper, \$1.00. Cash with Order. Weights boxed, about 5 pounds. Buyer pays express.
STEVENS & CO., 107 Chambers St., N. Y. City.

Always mention the.....
American Florist
when writing advertisers.

White Enamel Refrigerator Co. ST. PAUL, MINN.



Buil for L. L. MAY & CO., Florists and Seed Growers.

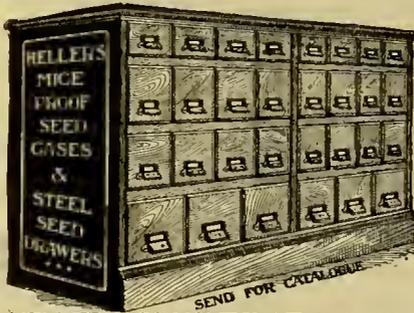
ST. PAUL, MINN., December 8, 1898.

WHITE ENAMEL REFRIGERATOR COMPANY, St. Paul, Minn.:

Dear Sirs—Since using your ice case in our retail flower department we have saved 30 per cent in the consumption of ice. Our saving in flowers we cannot accurately determine, but should estimate conservatively 25 per cent. Not only this, flowers keep with us as they never did before, and retain their salable appearance longer. Your box is certainly a boon to the florists, and we predict a wonderful sale on them, especially to the florists, when their qualifications become known.

Yours truly,

L. L. MAY & CO.



HELLER & CO. MONTCLAIR, N.J. USA

Please mention the American Florist when writing.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS,

46 Marion St., NEW YORK.

Please mention the American Florist when writing.



LIQUID PLANT FOOD

Grows hardier stock; grows improved stock. Stock ships better; also ready earlier. Brings better customers and more profits.

EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Bos'on.

SHIPPING LABELS FOR
...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.
American Florist Co.,
CHICAGO.

St. Paul.

STATE OF TRADE IN THE CAPITAL CITY OF MINNESOTA.—PROSPECTS FOR CHRISTMAS SUPPLY.—PLANTS PLENTIFUL—GREENS IN DEMAND.

Thanksgiving trade was very good indeed, and following right on the heels of that holiday was the funeral of the Hon. C. K. Davis. This called for quite a good many flowers, though the florists had provided enough to go around. Since then trade has been fairly good, though rather light on some days. For Christmas indications point to an unusually good city trade, both in cut flowers, plants, greens and sundries. Advance prices would indicate that cut flowers are scarce in the large markets but a few days of bright weather will undoubtedly increase the supply, so that there will be enough to go around. In our home market there will be a shortage of carnations, Beauties and violets, a fair supply of roses and plenty of bulbous stock. Primroses, cinerarias, azaleas and lilies will be in bloom with many, so that plants at reasonable prices may be had, even if cut flowers are scarce. Lycopodium is very scarce but holly is in evidence on every hand and meets with ready sale. Other greens are in good demand and everything sells well.

FELIX.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

WANTED! Let Me Send One of My Circulars

With cut showing how to construct a Coil Boiler of the latest pattern, which has stood the test 20° below zero. Now gentlemen it is an easy thing if you get my circular; shows every point: brick work, front and grates. Saves 1/3 coal, and a free circular. Send \$1 and get the desired information.

D. W. PAYNE, Box 153, Port Clinton, O.

Please mention the American Florist when writing.

Boilers OF HIGH GRADE. For GREENHOUSES.

See our Catalogue.

Steam and Hot Water. Giblin & Co., Utica, N. Y.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER AND TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

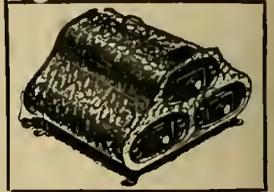
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAMES W. ERRINGER,
Gen. West. Sales Agent,
297 Webster Ave., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

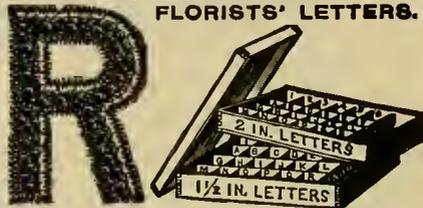
HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

ESTABLISHED 1866 EMIL STEFFENS, SUCC. TO N. STEFFENS AND STEFFENS BROS.



Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycae Wreaths, Moss Wreaths, Ferneries and Jardinierees, Wheat Sheaves and Immortelles.

New Catalogue of all FLOEBISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & CO., 54 West New York, 30th St. HORTICULTURAL SUPPLIES.

Nikoteen Aphis Punk It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabcura Dip Co. St. Louis—Chicago.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs, AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

It is good business policy to mention the

...American Florist

when you write to an advertiser.

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

Thos. W. Weatherd's Sons,

46 Marion St., NEW YORK.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.

HOT-HOUSE GLASS A SPECIALTY.



Standard

Before you buy any kind of machinery send for catalogue to

E. HIPPARD,

YOUNGSTOWN, O.

Die Bindekunst

Einzig Special Zeitschrift der Welt für BLUMENBINDEREI.

Probenummern umsonst.

Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,

ERFURT. DEUTSCHLAND.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 3-in. pots in crate, \$4.85	120 7-in. pots in crate, \$4.20		
1500 2 1/4 " " " 6.25	80 " " " 5.00	1500 2 1/4 " " " 6.00	80 " " " 5.00
1000 3 " " " 5.00	48 " " " 4.80	1000 3 " " " 5.00	48 " " " 4.80
800 2 1/4 " " " 5.80	24 " " " 4.80	800 2 1/4 " " " 5.80	24 " " " 4.80
600 4 " " " 4.50	24 " " " 4.80	600 4 " " " 4.50	24 " " " 4.80
300 6 " " " 4.51	12 " " " 4.80	300 6 " " " 4.51	12 " " " 4.80
144 8 " " " 3.18	6 " " " 4.50	144 8 " " " 3.18	6 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... **FORT EDWARD, N. Y.**
AUGUST BOLENE & SONS, New York Agents,
53 DEY STREET, NEW YORK CITY

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.

Hotbed Sash

In Pine, Louisiana Cypress and Red Cedar.



Greenhouse

...Material



CALIFORNIA RED CEDAR AND LOUISIANA CYPRESS.

BEST GRADES. PERFECT WORKMANSHIP.

A. DIETSCH & CO.,

615-621 Sheffield Avenue, CHICAGO, ILL.

Steam and Hot Water Heating

ECONOMICALLY AND PERFECTLY INSTALLED BY

Henry W. Gibbons, 132 to 138 LIBERTY STREET, NEW YORK.

EXPERT ADVICE AND PLANS FURNISHED.

ESTIMATES FREE.



Please mention the American Florist when writing.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Please mention the American Florist when writing.



GEO. KELLER & SON,
MANUFACTURERS OF

Flower Pots.

Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

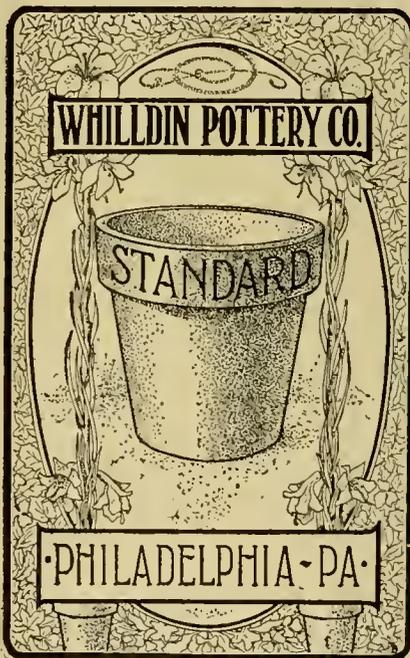
THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'Y,

HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.
SWANN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.

Standard FLOWER Pots

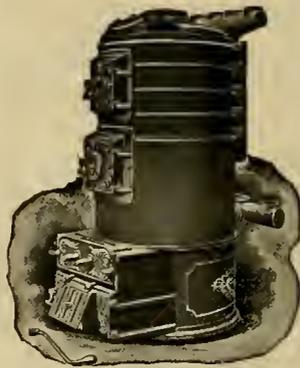
If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets, N. E. WASHINGTON, D. C.

Index to Advertisers.

Advertising Rates.....694	Kentucky Tob Pro Co 713
Allen J K.....699	Kift Robert.....713
Allen S L & Co.....11	Kroeschell Bros Co.....1V
American Rose Co.....8 11	Kuehn C A.....698
Amiling E C.....697	Kuhl Geo A.....710
Arnold John J.....711	Laser & Hurrell.....710
Baker & Dick.....76 8	Lakey W Boes Garden.....705
Banner, J L & Co.....708	Lang Juline.....699
Bell Chas D.....710	Langjahr A H.....698
Barnard W W & Co.....708 1	Lee K A.....708
Bassett & Waltham.....697	Lehman Bros.....714
Bar S Alfred.....1	Limprecht S J.....699
Bayersdorfer H & Co.....714	Lockland Lum Co.....11
Bentley & Co.....697	Long D B.....11
Berkman P J Co.....711	Lonsdale Edwin.....710
Berning H G.....698	Lord & Burnham Co.....1V
Binderknecht Die.....715	Lovelace J M.....712
Blanco A & Co.....710	Lucas J & Co.....716
Blue Hill Nursery.....710	Lynn J A.....712
Boblink & Atkins.....711	McCarthy & Co N P.....798
Boston Letter Co.....714	McKellar & Winterson.....703
Brant & Noe.....696	MacBean A S.....708
Brown Peter.....711	Mack Tobacco Co.....713
Budlong J A.....697	Mader Paul.....701
Bunyard H.....708	Meyer John C & Co.....618
Burpee W Allee & Co 11	Milling Chas.....699
Caldwell the Woodeman Co.....696 708	Milling Frank.....699
Carmody J D.....111	Moller a Gartner Zeitung.....11
Chadwick Chas.....719	Moninger J C Co.....716
Chicago Carnation Co 707	Moon Samuel G.....704
Chicago House Wrecking Co.....111	Moore H H Co.....74
Cincinnati Cut Flo Co 698	Moore Hentz & Nash.....698
Clark Wm A & Son.....708	Morris Floral Co.....716
Colea W W.....707	Moss Geo M.....698
Conard & Jones Co.....704	Murphy Wm.....763
Conley Foli Co.....714	Myers & Co.....716
Collage Gardens.....708	Nickle Plate R R.....79 11
Crabb & Hunter.....1	Neenan Leo.....698
Crag Robt & Son.....712	N Y Cut Flower Ex.....699
Cunningham Jos H.....712	N Y Cut Flower Co.....699
Cunningham D O	Payne D W.....7 4
Glasa Co.....715	Pennock Sam'l S.....698
Dalloude Broa.....706	Pittsburg Cut Flo Co.....696
Davis Iron Co.....710	Poehmann Adolph H.....697
Deamond J B.....696	Polworth C J Co.....696
Detroit Flor Pot Mfy.....715	Pritchard J N.....74 8
Dietsch A & Co.....715	Quaker City Mch Wks 111
Dillon J L.....707 704	Randall A L.....697
Dorner Fred & Sons Co 709	Rawlinge E L.....696
Dreer H A.....696	Raynor J I.....699
Dunlop John E.....696	Reed Glase & Paint Co 111
Dunne & Co.....714	Reid Printing House 708
Eastern Chemical Co.....713	Reinberg Geo.....697 9
Eichholz Henry.....709	Reinberg Peter.....697
Ellis Frank M.....698	Retzer Walter & Co.....710
Ernest W H.....695	Rice M & Co.....713
Evergreen Floral Co.....74 8	Rodgers Alex.....11
Felthousen J E.....712	Roemer Fred.....709
Ferguson John S.....694	Roland Thomas.....712
Finley Lawn Rake Co.....713	Roiker A & Sons.....700
Fisher Peter.....706	Rupp John F.....7 2
Florida Exchange.....703	Rustic Mfg & Con Co 111
Florida Nat Prod Co.....713	Saltford Geo.....699
Ford Bros.....710	Sander & Co.....701
Ford Dodge G H Co.....703	Shillit Adam.....1V
Foster Lucia H.....712	Schmidt.....110
Gardening Co The.....11	Scollay John A.....111
Gardens Chronicals.....11	Schwill Otto & Co.....704
Garland Geo M.....716	Shaw F E.....707
Geller Sigmund.....714	Shilroad Greenh's.....701
Ghormley Wm.....694	Sheridan W F.....699
Gibbons H W.....715	Shiebert & Son.....711
Giblin & Co.....714	Shin Wm.....698
Grave E T.....716	Sitona's & Wants.....696
Gullet & Sons W H.....697	Skabara Dip Co.....714
Gunther Wm H.....699	Smith Nath & Son.....711
Gutman Alex J.....699	Smith W & T Co.....1
Gurney Heater Co.....716	Soltan C.....709
Hagenburger Carl.....718	South Side Floral Co 701
Hall Asa'n.....719	Spratt Chas B.....698
Hancock Geo & Son.....707	Stearns Lumber Co.....111
Harrer Geo.....707	Steffens Emil.....714
Hart M A.....699	Stevens & Co.....713
Heacock Joseph.....708	Stooboff H A & Co.....11
Helen J B.....712	Storrs & Harrison Co 710
Heller & Co.....713	Studer N.....719
Hennecke C Co.....715	Styer J J.....700
Herendeen Mfg Co.....1V	Sutherland Geo A.....698
Herr Albert M.....703 712	Suzuki & Iida.....700
Herrmann A.....714	Swann Pottery Mfg Co 715
Hews A H & Co.....715	Swayne Wm.....712
Hillgar Bros.....713	Thorburn J M & Co.....700
Hill The E G Co.....1	Trenndy & Schenck.....698
Hill H H.....708	Unverzagt Louis.....710
Hippard E Co.....715	Vaughan's Seed Store.....701 703 709 1
Hitchings & Co.....1V	Vesey W J & M S.....707
Holton & Hunkel Co.....696 714	Vestal Jos W & Son.....704
Hooker H M Co.....7 6	Vick a Sons Jas.....710
Horan Edw C.....699	Vincent R Jr & Son.....712
Hort Adv.....11	Vredenburg & Co.....11
Hose Connection Co.....111	Waterbury & Co.....698
Hubbard T S Co.....704	Watson G C.....11
Hunfeld C.....712	Weathered's Rona.....11
Hunt E H.....697	Thos W.....713 715 111 1V
Ingram & Lyons.....711	Weber H & Coa.....713
Invald Appliance Co.....713	Weber & Doan.....11
Jackson & Perkins Co.....700 719 712	Weland & Biesch.....697 706
Jacoba S & Sons.....111	Weich Bros.....698
Jennings E B.....701	Whilldin Pot Co.....715
Jennings Bros.....714	White Enamel Ref Co 713
Johnson & Stokes.....710	Wieter Bros.....697
Kaaling W F.....698	Wilke S Mfg Co.....1V
Keller Bros.....715	Willa & Segar.....7 3
Keller Geo & Son.....715	Wittbold The Geo Co.....705
Kellor Geo M.....696	Wood Bros.....712
Kennedy & Farnham.....711	Woodroffe & Bernhelmer.....698
Kennelott Bros Co.....701	Wood, Stubbs & Co.....700
	Young & Nugent.....698



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., PHILADELPHIA, PA. (ESTABLISHED 1849.)

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS
OUR SPECIALTY.

LARGE STOCK & PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

WRITE FOR CATALOGUE

CYPRESS GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO

24 harmonious combinations of 72 colors on our sample card. Send for one. It will help you to select colors that will beautify as well as preserve. They are practical. JOHN LUCAS & CO., Philadelphia, New York and Chicago.

GARLAND'S IRON GUTTER

No Ice. No Breakage of Glass.



This Gutter will save money in cost of construction.

GEO. M. GARLAND, DES PLAINES, ILL.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, DECEMBER 29, 1900.

No. 656.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. Wood, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; Wm. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

OFFICERS-ELECT (to be installed January 1, 1901)
Patrick O'Mara, New York, president; W. F. Kastling, Buffalo, vice-president; secretary and treasurer as before.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March 19, 20 and 21, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

The Christmas trade.....	717
Fred. R. Mathison (portrait).....	718
A wreath of funeral flowers (illus.).....	718
Spigs from the spice bush.....	719
Hancock's new delivery wagon (illus.).....	720
The Queen of Edgely rose (illus.).....	721
Review of work of the C. S. A.....	722
Chrysanthemum novelties (illus.).....	722
Hydrocyanic gas in violet houses.....	722
Carnations—The Lawson in England.....	723
—Chicago Carnation Co. Joliet, Ill.....	723
—Cuttings and their treatment.....	723
New York.....	724
Chicago.....	725
American Carnation Society.....	726
American Rose Society.....	726
The trade in holly.....	726
Boston.....	726
Obituary.....	727
Little Rock, Ark.....	728
The seed trade.....	732
—The government seed shop.....	732
—Alleged fraudulent advertising.....	732
The nursery trade.....	734
—Paulownia imperialis (illus.).....	734
Cleveland.....	734
Our pastimes.....	736
Mushroom growing in cellars.....	736
Kaiserin roses at Kokomo, Ind.....	736
The Christmas tree trade.....	736
St. Louis.....	736
Washington.....	738
Albany, N. Y.....	740
Detroit.....	742
Minneapolis.....	744
Rochester, N. Y.....	746

THE CHRISTMAS TRADE.

Optimists aver that the old century never saw another such a Christmas as that of its closing year; pessimists fear that the new century will not produce its equal; it is all in the point of view, the consensus of opinion being that the holiday business of 1900 was a decided advance on that of 1899, itself a record breaker. Reports received from east and west, north and south, with remarkable fidelity voice the general satisfaction. There was some scarcity of stock, but increased glass area has done much to overcome the usual Christmas shortage and the scarcities were generally due to local causes. Red flowers were in strongest demand and American Beauty and Meteor roses and bright colored carnations were the almost universal shortages, carnations being particularly popular. As a rule bulbous material was dependent for a market upon the exhaustion of other stocks. It is a noteworthy fact that in the east the plant trade was heavier than ever, with a marked preference for blooming subjects, with this class of material leaping into favor wherever in the west desirable wares were offered. Holly sold well, generally, although there are exceptions to this rule. A number of the reports follow and others will be presented next week:

BRATTLEBORO, VT.—C. E. Allen reports sales good and above last year's. There was enough of everything except carnations, which were in increased demand.

MARION, IND.—Gunnar Teilmann reports Christmas sales double those of a year ago; all good stock sold, carnations being far in the lead. Holly was in greater demand than ever before.

BRIDGEPORT, CONN.—S. D. Horan says stock was good, plentiful and business twenty-five percent ahead of a year ago. Plants and ferneries brought good prices. There was the usual call for holly but mistletoe did not sell.

KALAMAZOO, MICH.—Van Bochove Brothers report Christmas sales about as last year, with enough stock except carnations and a very light demand for bulbous flowers. The call for plants shows no increase over a year ago.

LINCOLN, ILL.—W. H. Gullett & Sons report trade as fifty per cent increase. There was a larger supply than usual of bulbous flowers and carnations were the greatest shortage. There was a decided increase in the sale of flowering plants.

LINCOLN, NEB.—Trade held off until the last moment, at which there came a great rush, making the aggregate of sales one-quarter larger than a year ago, with the prices of roses advanced twenty per cent because of scarcity. Nearly all bulbous stock sold out. The notable increase in call was for choice roses, especially Meteor, and carnations. Plants of all kinds sold well.

NASHUA, N. H.—August Gaedke & Co. figure more than sixty per cent increase in their Christmas business, having adequate supplies of cut flowers of superior quality. The marked preference of the buyers was for Begonia Gloire de Lorraine.

KNOXVILLE, TENN.—C. W. Crouch says Christmas trade was twenty per cent ahead of a year ago, with nearly enough stock except carnations. There was a marked increase in the call for American Beauties. Roses were of better quality than usual.

ATLANTA, GA.—American Beauty was the flower most in demand, although the qualities of stock were generally lower than a year ago. Bulbous material moved slowly. George Hinman estimates the volume of sales as twenty per cent ahead of last year.

ST. LOUIS, MO.—J. C. Rennison says there was increased sale for both flowering and decorative plants. Trade in general increased twenty-five per cent. There were not enough roses, carnations or violets and the particular call was for bright colored carnations.

DETROIT, MICH.—Breitmeyer & Sons report their Christmas trade twenty per cent ahead of a year ago, with prices slightly higher and nearly enough cut flowers to meet all demands. Stock was much better than usual, with a particular demand for such novelties as Bon Silene rose buds, sweet peas and plant baskets. They report a fifty per cent increase in their sales on flowering and decorative plants.

NEW ALBANY, IND.—Anders Rasmussen reports trade as one-fourth larger than a year ago, with carnations scarce, in extraordinary demand and higher in price. Qualities were good. Roses were in supply about equal to demand.

BLOOMINGTON, ILL.—Trade was rather better than a year ago with prices about on the usual level and stock in inadequate supply. J. D. Robinson notes the principal increase in demand as for carnations, with increased call also for plants in flower.

NEW HAVEN, CONN.—Everyone reports Christmas trade the heaviest on record, with prices up to the highest level. Bulbous stock dragged. Plants in baskets were in extra demand. Holly was fine and sold well, but all sorts of stores handled it.

RACINE, WIS.—Christmas trade was far ahead of last year, everyone having enough bulbous stock and to spare but not sufficient supplies of roses, carnations and violets. Plant sales were about as last year, A. J. Fidler noting that the greatest increase in demand was for red carnations.

LOUISVILLE, Ky.—Trade at Christmas was ten per cent ahead of last year, the increase being made by a rise in prices. Plants took precedence over cut flowers, although the latter were better than usual. The only cut flower shortage was on violets, H. G. Walker & Co. reporting sales at \$4 per hundred.

LARAMIE, WY.—G. A. Hertzog says that it is difficult to make western people see why they should pay greatly increased prices at Christmas time and for that reason sales were not much larger than last year. There was no oversupply of cut flowers and a marked increase in the sale for flowering plants.

CINCINNATI, OHIO.—Christmas trade showed a small increase with prices the same as last year. There was enough of everything except carnations, which the Cincinnati Cut Flower Company report in unprecedented demand. There was increased call for holly wreaths, festooning and other Christmas greens.

CLEVELAND, O.—Trade came with a rush at the last minute and made a slight increase in sales over last year. There was enough stock, with light demand for bulbous flowers, even *Harrisii*. Carnations and Beauties were better than usual. J. M. Gasser failed to note any increase in the sale for plants.

SPRINGFIELD, Mo.—Trade was far ahead of a year ago and would have been double last year's record had stock been procurable. There were not nearly enough roses, carnations or violets and bulbous stock profited by their shortage. Stock was rather poor. W. A. Chalfant reports the holly trade as gone to pieces.

MITCHELL, S. D.—E. C. Newbury reports trade thirty per cent ahead of a year ago, with retail prices slightly advanced over last year's rates. He was short on roses, carnations and violets but found bulbous stock in about right supply. The stock was all better than usual and the increase in demand was for carnations.

AURORA, ILL.—All the florists report increases in Christmas trade, from ten to fifty per cent over last year. Everything good in cut flowers sold out clean, with red carnations and violets particularly scarce. The increase in plant sales was noticeable, every azalea which was ready

selling. Poinsettias sold well as pot plants and not at all if cut. J. M. Smely voices the general sentiment when he says prices were the same as usual at Christmas but easier to get.

NEWBURGH, N. Y.—Christmas brought more cash sales than heretofore, and table decorations were greatly in demand. Trade showed a twenty-five per cent increase. There were enough roses and violets, but carnations were scarce. J. F. A. Schaefer reports increased trade in plants and a particularly brisk call for poinsettias in pots.



FRED. R. MATHISON.

MONTRÉAL, CAN.—J. S. Murray says that trade was much heavier than usual with little inquiry as to prices, the demand being entirely for highgrade stock. Prices were higher than usual on roses, lily of the valley and Princess of Wales violets. There was particular demand for American Beauties in cut flowers and azaleas among plants.

PITTSFIELD, MASS.—Christmas trade was about on the level with last year. There were plenty of violets and roses, too few carnations and too many bulbous flowers. Qualities were generally poorer than usual at Christmas. Carnations showed the greatest increase in demand. Jno. White reports that the holly trade was less than usual.

DAVENPORT, IA.—A conservative estimate would put trade ten per cent ahead of last year, with roses and carnations in fair supply and violets short. There was more bulbous stock than could be used. There was increased call for carnations and poinsettias and all flowering plants sold better than heretofore. J. T. Temple notes a particularly brisk sale for cyclamens.

FREMONT, NEB.—Trade was twenty per cent ahead of last year, with stock scarce except in bulbous flowers, for which there was no demand, and it was necessary to work them off in mixed boxes. Flowers were much better than last year, but there was a shortage of violets, which were in demand without regard to prices. There was little call for plants, according to the report of the Fremont Greenhouses.

UTICA, N. Y.—Christmas business was one-third larger than a year ago, with no demand whatever for poor grades of cut flowers. There were adequate supplies of nearly everything and there was good demand for bulbous stock. There was a marked preference for flowering plants as compared with those which were merely decorative. Cyclamens and azaleas were the favorites.

DES MOINES, IA.—The consensus of opinion here is that Christmas trade was one-fifth larger than a year ago; prices the same as last year; carnations principally in demand and the greatest shortage; stock was better than usual, except carnations. W. L. Morris reports no increase in the call for flowering plants and a falling off in the sales on palms and ferns.

KOKOMO, IND.—W. W. Coles says trade was a third greater than last year with prices about the same. More roses and carnations could have been sold but there was no call for bulbous stock. Beauties were better than usual. Carnations are increasing in favor every year; Mrs. Lawson, Ethel Crocker and Mrs. Bradt sold for best prices. Everyone sold out on flowering plants and there were more palms and ferns sold than last year.

KANSAS CITY, Mo.—Samuel Murray reports the Christmas trade the best he has ever known. He says that retail prices were no higher than usual at Christmas except on violets and Beauties, which were the particular shortages and most in demand. Mr. Murray reports flowers rather better than usual, except Gontier roses. It was the greatest plant year on record, azaleas and *Begonia Gloire de Lorraine* selling at sight at splendid prices.

Fred. R. Mathison.

The portrait herewith is one of Boston's most successful rose growers. Thirty-two years ago Mr. Mathison came to Boston from England. Three years ago he leased his well-equipped establishment at Waltham to two of his employes and retired from active business with an income sufficient for all his wants. Clear-headed, observant and industrious he had acquired a competency, had won the respect of his associates and by his generous and companionable traits had endeared himself especially to the society of the progressive, broad-gauge element of the florists' profession which has been so potent in the horticultural life of New England. Although out of business Mr. Mathison is still deeply interested in all that pertains to the welfare of the profession and his advice is often sought, freely given and always good. He is active in the S. A. F. and is now serving acceptably as state vice-president of that body. On Sunday, December 16, Mr. and Mrs. Mathison observed the twenty-fifth anniversary of their marriage, an event which was fittingly recognized by their "Old Guard" friends, who sent them a suitable silver token of their congratulations and good wishes. May they live long to enjoy it.

A Wreath of Funeral Flowers.

The accompanying illustration is a reproduction from a photograph of a simple wreath of flowers for a casket. The cibotium is the predominant feature and the color effect is given by a few good auratum lily blooms. Such arrange-

ments are unconventional and therefore frequently more pleasing than the everyday designs of roses and carnations. Moreover, they may be made of material which lies at the hand of every man who owns even a small greenhouse.

Sprigs From The Spice Bush.

That caption for two reasons: First, because, although this sprig is mainly a sort of nosegay composed of Philadelphia Christmas tradejottings, it is not entirely so and latitude was wanted so that a sprig could be culled anywhere and on any subject. Second, because, variety being the spice of life, there is warrant in departing from the beaten track if by so doing the subject can be made more attractive and interesting to the general reader.

Besides, I want to keep your regular correspondent out of trouble. They tell me I am always saying something to rouse the wrath of all creation and if that is so I want to take all the blame and not have someone else shouldering it. On that point I want to say right here that I consider myself the most inoffensive creature in the world and my sole object in wielding the pencil is for your entertainment and I would not stamp on anyone's corns for a crown of gold. A person who takes offense where no offense is meant is a — well he is at least lacking common sense. How's that, Mr. Editor? That ought to scare off some of those fellows who are always spoiling for something to kick at. Very few like to own up that they are not smart and they will if they take offense at yours truly.

Well then, to commence at the commencement, I went up to the top of a tall tower and took a survey of the Christmas festival in Philadelphia and it was a pleasant and inspiring sight. I gazed and gazed and the more I looked the more beautiful the scene became, the flowers fragrant and lovely and flaming, the greens so fresh, and everything beribboned in the most charming manner. And what artistic progress from the methods of ten years ago in arranging the flowers and plants, whether in bouquets or in baskets! No signs here of any step backward.

And the basket-makers! How wonderfully charming they do make those receptacles now and what a variety of shapes and materials! The basket maker has certainly kept pace with the progressive spirit of the age and deserves all credit. One particularly lovely creation, to my eye, was an oblong basket of birch bark trimmed with luffia fiber, the latter dyed a bright green and contrasting with the white bark in the most charming manner. There were dozens of other patterns, all new to me and most of them dainty. How any woman could refrain from going crazy with ecstasy over these things when filled with beautiful flowering plants and decked off with gay ribbons I cannot imagine. As for buying—they simply had to buy them! Resistance was out of the question!

In regard to novelties, I cannot say that I could see, from my lofty perch, anything specially new this year, either in plants or flowers. All the old standbys, such as poinsettias, ardisias, cyclamens, azaleas, solanums, dracenas, etc., were there in good supply and mostly well done. Cape heaths were also there in plenty and, as last year, they were very popular. White lilac was used extensively in mixed baskets and Supoit was happy. That clever and indefatigable Frenchman was also in with a fine batch of hellebo-



A SIMPLE BUT EFFECTIVE WREATH FOR A CASKET.

rus (Christmas rose) which found a ready niche in the market, as it is not seen much now-a-days.

Some of the cyclamens were pretty mean stuff, weedy looking, straggly flowers that were no credit to the man who grew them. But I saw one fine lot at Pennock Brothers, and they certainly were good. They were from Robt. Craig & Son's place and a credit to it. I'm glad I don't know the fellow who grew the other kind. I'd have to say something, whatever happened. The truth would prevail if the pillars of the universe crashed. Zimmer sent in some dainty Forbesi primroses in 6-inch pans. They were very well done and looked charming in that shape and size. Azaleas were in fair supply and good. Jacob Becker had a splendid lot of these. The varieties were mostly Simon Mardner, Van der Cruysen, Deutsche Perle, and Vervaeneana. Mardner was in admirable flower and a most beautiful Christmas plant. A russet orange variety called Apollo seemed to find considerable favor with some. The plants were in good shape but to my thinking not worth houseroom as to color. Becker only starts these six weeks before Christmas and yet he manages to bring them in good. He keeps them on

the dry side at about 65° to give them good color and is very careful about watering. No hose.

Holly was very good this year, well berried and clean, glossy foliage. Mistletoe about as usual. Not much new in wreaths, crosses and such things. Holly, immortelles and other dried flowers and grasses were used about as usual. Thompson, at Thirteenth and Walnut, had some unusually dainty work in this line. The grey statice was worked up into very airy, graceful wreaths, and went all right as "heather." A good cheap substitute for the grey heath, indeed, and "Bill" squared his conscience by calling it "German heather," when he had to. That's all right. Germany is the land of cheap substitutes.

Many of the department stores had their places decorated. As usual Graham and Habermehl had the lion's share of this work. I noticed one job by Habermehl at Jacob Reed's Sons' which I thought very effective. Graham has the contract for the New Year decorations for the City Hall. I understand \$1000 is the price for this work but by the way the daily papers enlarge on the subject one would think a million was being spent. Wm. Graham is the chief of the decorating end

and few know the kinks of that business better than he. One advantage is his cleverness in putting a sketch of his ideas on paper. In his role as a lightning artist he has captured many a good job. At present his decorating force is augmented by a tall, blonde-haired scion of the house of Roehrs. It was thought that a very few days of the genuine getting-down-to-work of the decorating business would satisfy that young gentleman. But he is still there and so has better stuff in him than he was given credit for.

Habermehl, with his up-town store, deserves credit for the cute way he keeps in the swim notwithstanding that handicap. His hotel and other central decorating work, with handsome wagons constantly around the principal retail thoroughfares, is doubtless the means of bringing him many a customer of the profitable kind. On a recent visit to his store, at Twenty-second and Diamond, I was greatly impressed with the spick and span finish of all the fittings and arrangements. A new counter with brass legs and a marble top struck me as the daintiest thing of the kind I had ever seen. The shelves for tissue paper, etc., under this counter are plate glass and are open at front as well as back.

The Jersey holly is always more or less in evidence but it ranks behind the Delaware and Maryland product. This season John Westcott had a lot brought up from his Barnegat estate (the home of the Westcott Rod and Gun Club that is to be) and with a little assistance from a Maryland parcel it made splendid work. The Westcotts were "in it" again this season with a well grown lot of solanums. As for pot-grown English ivies, and camellias, they are like Standard Oil—have it all to themselves. Big specimens of Boston ferns and well done poinsettias were also part of their outfit that stood out prominently. The Commodore himself was up to the eyes—or should I say eye? He has only one good optic at present from trying to tie a shoe lace before lighting up at five o'clock one fine morning recently. Anyway let's say up to the ears in business, and the fraternity at the club room have to get along the best they can without him until the New Year.

Speaking of the club room reminds me to say that that institution has had a very good year; revenue has exceeded

expenditure largely and the officers and members are to be congratulated. All the bonds that could be reached have been cashed or otherwise cleared and there is a handsome balance in the treasury. Various improvements are being talked of, among them being a committee room, a new score board and a reading desk. The present officers, Messrs. Harris, Westcott, Lonsdale and Colflesh, are largely responsible for this improved state of the society.

"Ladies night" at the club is down for January 23 this year, being the fourth Wednesday of the month. The proceedings will commence with a president's reception from 8 to 8:45 p. m. The games will commence at 8:45 and will continue for the rest of the evening except for an intermission of half an hour, from 10 to 10:30, for refreshments. Complaint was made last year that long enough warning was not given and many who wanted to come had already made other engagements. No fault can be found in that respect this year.

I heard lots of echoes of salted stock, indicating that there is not much improvement in the morals of some growers this year more than in days gone by. One man took an order to deliver 500 Beauties Christmas day and good judges say it would take him three weeks to cut that many from a place of the size. Carnations are held up, too, I'm told. Good pinks are really scarce, and \$8 to \$10 per hundred marked the relation between supply and demand in clean cut style. Even pretty second grade stock sold readily at \$4 to \$6. Sam Pennock and George Moss and "Billy" Baker and Leo. Niessen, the commission kings, were badgered and baited and frothed at over "the state of things" but they finally emerged from the four days' struggle with no more damage than a wild glare in their eyes and with their glossy locks a wee bit towlsed.

I understand \$15 a dozen was the figure for bang up Beauties, but I approach that subject with fear and trembling, being an outsider. One retailer whose veracity I've great confidence in said \$15; a grower who is adamant in his imitation of the father of his country, the immortal George, told me \$18; and still another retailer, whose morals I know nothing about, told me \$12. So "you

pays your money and you takes your choice." All kinds of figures ruled for other grades, \$10, \$6, \$4, and so on according to quality. A good many cypripediums and cattleyas were in evidence and proved a welcome addition to the list of cut flowers, the former being also seen here and there as a pot plant. Mignonette was rather scarce, good stock bringing \$8. Single violets 75 cents to \$1 per hundred, double violets \$1.50 to \$2.

The Chestnut Hill people were said to be "off crop" but I suppose that must be taken with a grain of salt. They are almost too modest sometimes, it seems to me. I say that with bated breath also. These out-of-town combaters have no more manners than a kicking cow and are as little particular as to where or when they hit back or whether they spill milk or whether they don't. So I must be very careful.

I would like to endorse your New York correspondent's remarks in regard to the effect of salting. He hits the nail on the head when he makes the point that the important position held by the flowering plants in pots, which have largely displaced cut flowers as gifts, is greatly due to this pernicious practice as regards the cut flowers. There is no doubt but that buyers are much keener about the quality of cut flowers than they were five or six years ago and it is high time the cut flower men instituted a radical reform if they are to hold even a respectable place in the race for holiday trade.

John Burton is greatly pleased with his new acetyline plant. His near neighbors, Myers & Samtman, have one installed, also, but of a different pattern. They each think theirs the best. There are several other neighbors so impressed with the thing that they have given orders to the company. Acetyline is undoubtedly the light of the future for the country districts and all points beyond the gas mains. When a servant has to fill sixty kerosene lamps a week is it any wonder they won't stay with you long? I trow not.

Edwin Lonsdale had a busy time with his stock of that pet and protege of his, the Lorraine begonia. Craig and Lonsdale had the largest blocks of Lorraine this year, although there are many growers now who handle it in limited quantity. It is as dainty and popular as ever and a little lower in price. About everything left the greenhouses except barely enough for stock purposes. "E. L.," after another year's trial of the Light Pink Lorraine is more than ever convinced that for many reasons this is much the best form for commercial growing. Sometimes at flower shows and club meetings when judges are selected at random they fail to report properly. That was the reason, probably, why "E. L." sympathized so strongly with Alphonse Pericat, the head gardener at the famous Wilson orchid conservatories, when he became indignant at not receiving proper recognition for a fine specimen of *Laelia autumnalis alba*, last P. H. S. meeting.

However, that judging matter was topped by a greater mistake by the same meeting. The private gardeners elected their own class for vice-president and council and now have everything their own way and the commercial element has only itself to blame, for I don't believe more than half a dozen of them were present. I have nothing against the private gardener. On the contrary I consider him the foundation of the whole horticultural fabric. When he has won his spurs and become noted in some direc-



JOSEPH HEACOCK'S NEW DELIVERY WAGON.



THE QUEEN OF EDGELY ROSE.

tion he takes a step higher into the ranks of commercial horticulture. There are exceptions to this, of course, but as a general proposition it holds true. Now who would you rather exalt over you in office, a private gardener or an eminent all-around horticulturist like Robert Craig or John Westcott or Joseph Heacock? I do not blame the gardeners present for voting for their own compeers and acquaintances, but it was a mistake to lower the standard of official ability and experience. The day the commercial element ceases to influence a representative horticultural society in a metropolitan center will be a cold day for all concerned. Let's hope that next year the trade will turn in and put this coffee pot bottom end down. What are clubs and societies for but to influence the general public to horticultural pursuits and more of them? And how much is that recognized by any florists' club? What has any of them done to justify their existence, looked at from this, the proper point of view?

Take the Philadelphia florists' club. Has it been the means of interesting the public more in horticultural pursuits? Has it ever done anything to increase the trade of its members a single dollar? You say: "Oh, well! It's the horticultural society's business to give exhibitions." But what kind of a horticultural society is it with no horticulturists in it—for you

might as well not be in it if you take no part? And of course the commercial florist is the horticulturist par excellence.

No sir; there's got to be a radical shaking up of this apathetic attitude of the trade at large in regard to clubs, societies and exhibitions. The social feature, the papers read, the little grievances aired, are all good in their way but they ought to be all subordinate to "What are we here for?" We ought to have a much broader ideal than we now have. The Philadelphia club has taken in fifty-seven associate members and that's about the only thing they've done toward influencing the outside public.

Unfortunately these fifty-seven join for the social feature and it will take a long time to do much good through them. The true method is the flower show on the space-renting plan like the S. A. F. and give the space holders the tickets to distribute. Either that or else every man jack of us should turn in and work the horticultural society.

The retail seedsmen did their usual holiday trade in plants and greens. Michell, Landreth and Johnson & Stokes were the most enterprising in this direction. The bulb season has been long and all stocks should have been lower than they are considering we had open weather to near Christmas. Such seasonable, late-arriving stocks as spiræa, valley, pæonies, etc., are moving nicely, however, and no doubt

all the hyacinths and tulips and such-like will eventually find a home somewhere.

Speaking of pæonies reminds me of an afternoon I spent at the pæony show in Boston last June. Of the hundreds of varieties of lovely blooms on exhibition I picked out five as the *creme de la creme*. If you come across any stock of any of these don't be afraid to sell your shirt to possess them in plenty:

Madame Calot, a perfectly formed white, a large broad flower with guard petals. It was faintly tinged with blush in the flowers exhibited.

Modeste, a lively pink of graceful form, not ragged; neither is it too stiff.

Lady Carrington, white turning pinkish, some flowers pure white; very large and loose but yet well formed.

Pottsi Alba, a fine blush; very large

Festiva Maxima, a very good white, slightly ragged, but yet with something graceful in its make up; a charming flower.

I see Walter Sheridan has been elected president of the New York Florists' Club. What a pity! No doubt Walter deserves it all right, for there's no better heart beating; but he'll never see anybody now as he walks Broadway with his head in the air, it's so proud he'll be! Well, I'm glad I first got from him those photographs of our trip to Kennebec Lake in Maine last June. He'd have no timenow, and besides he appears in one with something suspiciously like a demijohn in his hand. No doubt he'll say that was Lou Green or "Old Man" Dirwanger or George Moulton or W. J. Stewart or your humble servant, but don't you believe it. And whenever he gets too chesty I'll publish it, as a corrective, for as Locker puts it:

"We eat and drink and plod and think,
And go to church on Sunday,
And many are afraid of God,
But more of Mrs. Grundy."

As a corollary and finishing touch to this little bouquet of Christmas news, nonsense and sublimated wisdom, let me give you Commodore Westcott's welcome speech to the boys at the club room next Tuesday, New Year's day:

"Now then, boys!
Up my lads to the punch; spare it not!
If you do not think it good, let it alone.
I am not like those officious and importunate
Sots who by force, outrage and violence
Constrain an easy, good natured man to
Whiffle, quaff, carouse and what is worse.
All honest gouty men, all such as
Are a-dry, coming to this little bowl of
Mine need not drink thereof if it please them
Not; but if they have a mind to it and the
Punch prove agreeable to the tastes of their
Worshipful workshops, let them drink, frankly,
Freely, and boldly, without paying anything and
Welcome! (Hear! Hear!)"

I know the Commodore will claim I dreamed that speech of his. Maybe. I've heard something like it before and hope both of us may live long as speaker and listener in that respect. Lots of folks dream things. There's Doc Kustner, for instance, scared his wife into conniption fits the other night by jumping out of bed and shouting

"Confound it all! There's only five of them down!"

Nothing worse than the scare and bruised shins resulted, but the doctor has not been as often at the alleys since, and I don't blame her.

The New Year and the new century are almost on us as I write, and it is fitting that I speak from Philadelphia and send warmest greetings to every reader. May you live a thousand years and have bouncing luck, and may I be here to see it. May all good attend you, *con amore*, is the sincere prayer of you, yours to command,

GEORGE C. WATSON.



Zampa.



Mrs. W. B. Chamberlain.



Chestnut Hill.

THREE OF MAY'S NEW CHRYSANTHEMUMS.

H. Patterson invited the entomologist to experiment in one of his large greenhouses at Waverly, and on December 15 Professor Johnson, with Professor Townsend, state pathologist, fumigated the greenhouse, which was so badly infested that the plants were almost ruined. In less than an hour every creature had been destroyed. Hydrocyanic gas was used and the plants were exposed to its fumes for thirty-two minutes.

Mr. Patterson said the experiment was of great value to him and that in the future he would certainly have no difficulty in keeping his violets free from this insidious pest. John M. Rider and the Lehr Brothers, florists, of Brooklyn, Md., who witnessed the experiment, also expressed great satisfaction at the results. The entire cost of the fumigation of this house, which is 10x65x9 feet, was less than 40 cents for the chemicals used. The rapidity with which the gas is generated and its insignificant cost make this a most valuable remedy.

The gas is a very deadly poison and must of necessity be handled very carefully, but there is no danger whatever if the proper precautions are taken. It was generated in this instance at the rate of fifteen-hundredths of a gram of cyanide per cubic foot of space inclosed. The entire house on this basis required only nineteen ounces, by weight, of cyanide, about thirty ounces, liquid measure, of commercial sulphuric acid and forty-five ounces of water. Professor Johnson will be very glad to give anyone interested exact directions regarding the fumigation of his violet houses.

CARNATIONS.

THE LAWSON CARNATION IN ENGLAND.

Mr. R. Sydenham, of Birmingham, writes: "I notice in your issue of the 17th ult., you illustrate this much-talked-of carnation, but I think many will agree with me that it is not a good specimen from an English grower's standpoint. We have heard so much about the variety we certainly expected something very much better, and I am little less than

astonished that the floral committee of the Royal Horticultural Society awarded it a certificate, for in my opinion it is not an improvement upon varieties already in commerce. I certainly did not see this particular flower, for I was not at that meeting, but judging from flowers I have grown myself, those exhibited at the Aquarium, and those seen in one or two other places, it has come small, it has come ragged, and with practically little or no scent, and is unfortunately inferior to one somewhat similar though slightly paler in color, Mrs. Leopold Rothschild, which has decidedly more fragrance and is a better flower.—*Gardeners' Magazine*.

CHICAGO CARNATION CO., JOLIET, ILL.

On the occasion of a recent visit to the establishment of the Chicago Carnation Co., at Joliet, Ill., we found carnations in the usual good condition for which this house is widely known, and propagation in full blast. Mr. Hartshorne is now using brick bottoms for his cutting benches, with from two to three inches of sand, the former depth preferred. Passing through the houses Mr. Hartshorne spoke well of Maceo; considered White Cloud very fine, coming in right for the holidays; The Marquis good for fine blooms and stems from Christmas onward; and Mrs. T. W. Lawson all that has been claimed for it, but should be grown at a temperature of about 54°.

The great magnet here just now, however, is the "Big Four" combination of new varieties which the company is offering for distribution in 1901, namely, Sunbeam, Bon Homme Richard, Nydia and Prolifica. The great claim made for these novelties is that they produce a greater number of good, salable blooms in a given space than most other kinds now on the market and this was certainly substantiated by the appearance of the plants at the time of our visit. Sunbeam is a light pink of good size and form on stiff stems two feet and over in length. Bon Homme Richard, white, Nydia, white striped with light salmon, Prolifica, cerise pink, possess much the same characteristics as Sunbeam.

Judging from the large number of other seedlings under trial here, a great deal of attention must have been bestowed upon crossing and seed-saving. It is safe to estimate that there are hundreds of them, many of which give every indication of taking a prominent place in future lists. One especially noticeable was an extra large red variegated with no defects so far perceptible. It is the intention, we understand, to exhibit some of these trial seedlings at the Baltimore meeting of the American Carnation Society, and it will be interesting to watch how they fare with the judges and critics.

We failed to notice the presence of disease or insect pests in this extensive area of carnation plants and cuttings, but every desirable preparation has been made to combat any trouble that may develop. For example, there is constantly on hand ample supplies of a preparation of tobacco water and soap, which is strongly recommended as a remedy for thrip and red spider when applied to the plants in the form of a fine spray. There are now over 66,000 square feet of glass devoted exclusively to carnations at this establishment. The new iron house 30x300 feet, erected, heated and ventilated by Lord & Burnham last summer, is affording every satisfaction.

CUTTINGS AND THEIR TREATMENT.

Just what constitutes a good cutting is a matter of some dispute, one grower preferring cuttings taken from the blooming shoots, another using the wood from the bottom of the plant, such as has not yet shown signs of making a flower, and still another using the young shoots that form at the base of the flowering shoots or at the top of the stub left after cutting the flowers.

Following the theory of evolution we would naturally look for a gradual increase in the floriferousness of plants produced from the cuttings taken from the flowering shoots and a consequent gradual decrease in the vitality of the plant. In cuttings taken from the bottom of the plant we would look for increased vitality in the plant and a

slight decrease in the number of flowers produced. From cuttings taken at the base of the flowering shoots the natural result would be a perfect duplication of the parent plant, both in vitality and floriferousness, at least as near such a duplication as it would be possible to get from a cutting.

Unfortunately theories do not always hold good in horticulture, or rather the difference in the seasons, in soils and a hundred other causes, often give us just the opposite result from that which we expected. This should not, however, be used as an excuse by growers for carelessness in the selection of their cuttings.

Personally, I have no use for the cuttings taken from the bottom of the plant, but I would not like to be quoted as saying that they are not in some cases preferable to those from the other parts of the plant. A safe rule to follow, or as nearly a safe rule as one grower can give another, is to alternate the cuttings used. That is, one year use the cuttings taken from the flowering shoots, generally known as side pips; then the next year use those that are formed at the base of the flowering shoots. This keeps up a healthy degree of vitality in the plants and at the same time keeps up the number of flowers cut per plant. This, of course, is not infallible, but is as nearly so as any rule, in my experience, that can be laid down in carnation culture.

There is such a variety of experiences in carnation culture that it seems folly for any grower to say that a particular practice is correct or incorrect to follow. Some years ago I advocated the use of separate houses for the carnations we intended for blooming stock and those which we intended for propagation. I advocate it to-day and fully believe that if it were followed up there would be fewer failures with carnations and our varieties would be much more long-lived. This form of culture was not taken up, and will not be to any extent so long as expense is an item, for it would add considerably to the cost of the cuttings per thousand. The above is offered as the next best method, unless you have a better, in which case it would be folly to change.

One absolutely safe rule to follow is not to propagate from plants that are unhealthy from any cause whatever. If care is used to take cuttings from plants that are in good growing condition, the form of cutting taken is really not so much of an item. As some of our good varieties are so affected with rust that it would be hard to find a plant entirely free from it, this one disease can be made an exception. By experience it has been found that cuttings taken from very rusty plants will give better results than if taken from plants affected but very slightly with other carnation diseases. Very often the cuttings taken from rusty plants will be entirely free the next season, this being the case with several varieties on my place now.

After having selected your cutting it is a matter of taste as to whether or not it is trimmed before putting it into the cutting bench. We trim all of ours, taking a few of the lower leaves off each one, so as to give them a nice, clean base for sticking into the sand. It is a theory with me that a cutting not trimmed, with the leaves around its base partly plunged into the sand, is an invitation for cutting bench fungus. If such a cutting escapes the cutting bench fungus it is liable to stem-rot at some stage in its life, owing to the accumulation of dirt in

the axils of the lower leaves or their being buried in the soil when the plants are bunched.

The material used in propagation should be absolutely clean and to make assurance doubly sure it should never be used for more than one batch of cuttings. This does away with the danger from cutting bench fungus, and by using one batch now, and a fresh lot for the second batch of cuttings, with the first thrown out to the weather, this lot can then be brought in again for a third lot of cuttings if they are wanted. This may not apply to all materials used but will with some as the action of the frost and air will sweeten it up enough to make it practically new.

Cleanliness is one of the essential features for successful propagation and should be practiced to its extreme limit in the cutting house. Temperature is also an important item and the very best results will be obtained by keeping the cutting house 5° cooler than the houses in which the stock plants are growing. Bottom heat in excess of the above temperature will reduce the number of days required for rooting but most growers consider that it also reduces the vitality of the cutting and on this account it is rarely practiced.

Carnation cuttings are especially sensitive to sunlight and currents of air during their first few weeks in the cutting bench. They should be carefully shaded during the whole of the day for two weeks, even on partly cloudy days, and protected from all currents of air for the same period; then if they are getting along nicely they can be left open a little later in the morning and the shading taken off a little earlier in the evening until you have them well rooted, when they should be given the full benefit of the sunshine for a short time. Two weeks may not be enough in some cases for complete shading, that being a matter for each one to regulate for himself, the object being to avoid even the slightest wilting of the cutting in the bench, and to the shading must be added careful syringing whenever necessary, on bright days once in the morning, once again at noon, and, when firing is pretty strong, an occasional syringing at night may be necessary.

After the cuttings are well rooted and they have been hardened off with plenty of sunshine and ventilation they should be handled as quickly as possible, and especially if the propagating material used is sand, as they will weaken in health if kept too long on a water diet, and this is all they get from the sand.

ALBERT M. HERR.

New York.

SATISFACTORY REPORT FROM ALL DEPARTMENTS OF THE TRADE.—ALL GOOD ROSES CONSUMED AT CHRISTMAS.—CARNATIONS IN PROFUSION AND EVEN FANCIES REMAIN UNSOLD.—DEMAND ALL FOR BRIGHT COLORS AND WHITE HANG IN WHOLESALERS' HANDS.—BIG TRADE IN PLANTS AND GREENS.—TOO MANY CHRISTMAS TREES.—VARIOUS NOTES OF INTEREST.

The Christmas report from all departments of the florists' business is very gratifying. In cut flowers, where the greatest apprehension was felt, the demand came very near absorbing all the good stock in the market and undoubtedly would have more than done so but for the warm days of the preceding week. As it was, all good Beauties, Meteors, Liberties and Bridesmaids found buyers. As to Bridesmaids, however, it may truthfully be said that the proportion of

flowers of particular excellence was very small. As predicted in these notes for last week the trade asked for the best in everything and seemed to have no use for inferior grades. These latter finally went to the street hawkers and even these gentlemen were critically disposed, hence only bought at figures which might, even at ordinary times, seem low. So in the end most of the rubbish found a buyer at some figure, although there was a large percentage of this low grade class. Scarcely, indeed, have the small roses, pink ones in particular, been so poor in quality. Special Beauty and Liberty were up to grade and were all that could be desired in every respect and supply and demand were about equal. Brides, as usual at this holiday season, were not in demand. At such times it is the custom of many of the retailers to buy white roses only to fill orders actually booked. Growers, in examining the returns from their wholesalers should keep this fact in mind as fully explaining the disadvantage in financial results which Bride shows as compared with Bridesmaid. Later on the pendulum may swing the other way.

The carnation market was in a very healthy condition but the supply was greater than the demand and there were many left in wholesalers' hands at the close of business on Christmas day, not only of the ordinary varieties but of the fancy sorts as well, white being naturally the most unfortunate in this respect. Advance sales of the more desirable fancy carnations were large and prices on such were higher than ever before quoted in this market, ranging as high as \$10 to \$15 a hundred on Crane and \$15 to \$25 on Lawson. Violets were not plentiful and the splendid shopping weather helped to contribute to good prices and clean sales, the average values received being much above those of a year ago. Hyacinths and narcissi sold at no advance over ordinary figures and suffered, as usual, from the holiday discrimination against white flowers. *Harrisii* lilies were scarce. There were plenty of poinsettias, smilax and asparagus, prices normal and sales fairly good.

The plant trade showed an enormous increase over any past season. Plant growers made greater preparations than ever before, azaleas, begonias, ardisias, oranges, poinsettias, ericas and decorative foliage plants being provided in abundance and of excellent quality generally. The salubrious weather was a great factor in favor of the plant growers and also of the retailers on account of the great saving of labor and expense of packing for delivery. The retailers in the fashionable localities had little time to devote to cut flower matters during the week preceding Christmas, the work of preparing the popular arrangements of plants in baskets and jardinières occupying them fully and keeping a large force of skillful clerks busy far into the night. Many of them had fitted up the basement of their store with potting bench and other facilities for handling these goods and the quantity of plant material thus used up was unprecedented. Among the popular foliage plants made general use of were *Pandanus Veitchii*, *Dracæna terminalis*, *Dracæna Godseffiana*, *araucarias* and an extensive variety of small ferns. Small flowering plants such as cyclamens and Chinese primroses were not welcomed by the large establishments, the objection being that the value of these things was too insignificant to permit of giving them room or going to the expense of delivering them at such a busy season.

Baskets and hampers of braid, luffia, birch bark and such fancy material, with zinc receptacles, were used generally with individual plants or groups of plants and red ribbon bows, cords, tassels, etc., seemed as popular as ever for brightening up these Christmas gifts.

The usual holiday greens business was done, but probably in greater volume than ever before. Holly beat the record as to quantity received and sold lower than last year, when it was thought bottom had been reached. Princess pine ran short, prices doubling up early in the week. Dunne & Co. had enough of this material to fill all orders, but they were the exception. Christmas trees were in over-supply. Evidently this was the case in other markets, for a large cargo which had been consigned to Philadelphia found that market overloaded and was ordered to New York as a last resort, where it only added to the existing congestion. Retailers used up large quantities of the scarlet-berried branches of the deciduous ilex and the prevalent desire for something red necessitated the use of red immortelles in immense numbers, even in establishments that usually bar out material of this sort. The only novelty of importance noted in the various accessions made use of was a sort of willow chip mesh which came in the form of a napkin in various colors, and was used with a sort of careless effect, as a flower pot cover.

The Kervan Co. did an immense business in holiday greens. Not only was their regular establishment crowded to its utmost with material and workmen putting it together, but a large extra store at 34 W. Twenty-ninth street was also utilized. H. A. Bunyard was "in it" as well and made use of a large vacant store on West Twenty-eighth street for the enormous receipts of southern smilax, holly, galax, etc.

Growers of Roman hyacinths for this market make a great mistake in their manner of bunching the flowers. The addition of a quantity of foliage to each bunch of twenty-five spikes would help them to carry and to keep better and add materially to the selling value. As the foliage is otherwise useless there is no reason why it cannot be made use of.

Louis Schmutz was in with thousands of well grown Chinese primroses. The prevalent antipathy to these pretty little plants afforded him an opportunity to tell the story of the historical primrose that he once sold to Herman Kuhn for \$2, which that gentleman promptly retailed for \$12.

Among the most effective things in the plant line for the Christmas trade were the pans of dwarf poinsettias. These were grown dwarf, five or six plants in a pan and, tied with a bow of ribbon of the same color as the bracts, made very showy and popular gifts.

Saturday was a big day at the Thirty-fourth Street Market. After the heavy morning's business had been completed the boys had a good time raffling for turkeys.

"Billy" Fogarty, one of George Stumpp's most efficient salesmen, has been ill at the hospital with appendicitis for four weeks.

Julius Roehrs had a wagon and load of plants burned on the Patterson Plank road on its way to the city on Saturday.

Fred Stewig has renovated and fitted up the old Donahue store, on Sixth avenue, in fine shape.

Among the Christmas visitors was M. Macnair, of Providence, R. I.

John Young is fortunate in having a

good supply of choice orchids in these days of scarcity.

Chicago.

CHRISTMAS TRADE GOES FORWARD BY LEAPS AND BOUNDS.—SHIPPING ORDERS MORE NUMEROUS THAN EVER BEFORE — CITY TRADE COMES AT THE LAST MINUTE TO TAKE WHATEVER IS LEFT.—PICKLED STOCK IS MUCH IN EVIDENCE.—LOW GRADE VIOLETS, WHITE CARNATIONS AND BULBOUS STOCK SUFFER DURING THE RUSH.—WHAT THE RETAILERS WERE DOING.—VARIOUS MATTERS OF INTEREST.

It is undoubted that the Christmas business of 1900 was the largest week's trade ever known in this market. Never before at any holiday season have transactions been so large, either in the amount of stock consumed or total sales in money. One disappointing feature was in the quality of stock. It is the opinion of many wholesalers that never before has so large a proportion of the available material been of a character commonly called "pickled." On the Saturday morning before Christmas roses and carnations literally poured into the market. There were thousands upon thousands of them where during the few days preceding there had been scarcely dozens. The strength of the demand was such that in many instances the wholesalers were compelled to ship out more or less stock which was not fresh or fail entirely in filling the order. Buyers who received this class of material should restrain their wrath. They should understand that the wholesaler was as reluctant to ship it as the buyer was to receive it, and that it was a case of that or nothing. There was a considerable proportion of the "pickled" stock which was so bad that it could not be used by any reliable florist, and it was sold to fakirs even where orders for Brides and Bridesmaids at 12 cents and 15 cents were going unfilled. There were numerous instances where growers sent in thousands of roses on Saturday and Sunday which were sold to fakirs at 2 cents when had the same flowers been shipped in when first cut they would have readily brought 6, 8 or even 10 cents. While the Christmas trade was far the heaviest on record, most houses filled their orders fairly well on everything except Meteor and Liberty roses, medium grades of American Beauty and red carnations. As the week progressed it was seen that there would be an over-supply of violets and prices weakened somewhat. The good bunches were picked out of every shipment and sold readily at good prices, but the poorer grades hung everywhere. Some of the retailers say the trade did not take to violets this year, and that they lost on the purchases which they made in anticipation of Christmas morning business. On Monday there developed an over-supply of white carnations. The city retailers did not buy until Monday afternoon and evening, and then worked nearly all night putting up orders. Neither the city nor country trade wanted bulbous stock, and there were never larger supplies of Paper Whites and Romans, the result being that these specialties were closed out at very low prices. There were few Harrisii, the general report being that they are even later than last year. There was more or less trouble because of the inability of the express companies to handle all business promptly. Since Christmas prices have been well maintained because of the scarcity of good material, carnations being particularly in demand. American

Beauties have eased off somewhat, a number of growers, Bassett & Washburn, Wieter Bros., the Reinbergs, the South Park Floral Company, Budlong and the other Bowmanville growers, all having good crops. The chances are that New Years will see the inside prices of the Christmas list prevailing.

The retailers agree that it was the best Christmas on record, but most of them assert that the business was done with cut flowers, Friedman, for example using as one item thirty dozen long American Beauties, for which he received \$20 a dozen. Even the George Wittbold Co., which is plant headquarters, found the calls to be for cut flowers, although they sold a great many of Lynn's birch bark baskets filled with Begonia Gloire de Lorraine and adiantum. Wienhoeber had a tasteful thing in a basket of lily of the valley, and he found that the fancy baskets were required on a very large proportion of his orders. Samuelson had some of the best azaleas in town, the stock being generally very poorly flowered. At Smyth's the piece de resistance was the basket of Gloire de Lorraine begonias and at Mangel's the same was true, although the latter had some very good poinsettias in fern pans and not over nine inches high. The Anderson Floral Company did a good trade in both plants and cut flowers, and so did Lange but the Central Floral Company made no effort to push the plant business, not having room. While some palms and ferns were sold, the call was for flowering stock and some good ardisias at Friedman's were as good as anything in this line. Kreitling had an extensive demand for holly, also violets and American Beauty roses. Hauswirth made a fine display with poinsettias and he had some of the best American Beauty roses he had ever handled; plants went well, especially Pandanus Veitchii, heaths and azaleas, but tulips in pans, although good, found little demand with him. One noticeable feature was the way the trade used immortelles, they being in evidence everywhere, even in the very best places, and the stock of red immortelles was exhausted.

E. E. Pieser calls attention to the fact that the growers are overdoing the Lady Hume Campbell violet. He recommends that a larger proportion of the plantings be Marie Louise or Farquhar, as the buyers pass over the light colored variety as long as the darker sorts are available, often refusing Campbell altogether at this season.

John Zeck did not have a merry Christmas. His little son, 3 years old, died on Friday, December 21, after an illness with scarlet fever. Mr. Zeck has a wide circle of friends and every one of them will be pained to hear of his great loss.

Miss Edlefsen, daughter of William Edlefsen, of Milwaukee, was down on Thursday. She says that Christmas trade was never so good in the Cream City. On Christmas morning they delivered over 500 orders.

J. A. Budlong and A. H. Budlong, father and son, have each invested in a new pair of skates and now they are hoping for cold weather, without a thought of the coal bin.

Mrs. C. L. Washburn, who has been steadily improving in health, suffered something of a relapse this week.

Good Old Saint Nic remembered Wieter Brothers' employes with turkeys and \$5 bills.

W. N. Rudd has been confined to his home with quite a serious attack of grip.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

It is said that mushrooms to the value
of \$2,000,000 are annually harvested in
France.

It was a merry Christmas so far as
trade was concerned; may we see many
another such.

It is rumored that the price of window
glass will be advanced fifteen per cent
early in January.

BOUQUET green has never sold at such
high figures, \$10 to \$15 per 100 pounds
being the prevailing price for fifteen days
prior to Christmas.

MISTLETOE has never sold at as good
prices as this year, thirty to fifty cents
per pound, while the demand has been
better and the quality improved. Evi-
dently a better knowledge exists as to
what the trade requires.

An organization of glass manufacturers
has been formed including 886 pots of the
1248 pots outside the combine, which
operates 1656 pots. It is now trust
against trust, with the prospect that the
two will speedily agree upon a rise in
prices.

Calendars Received.

We are in receipt of calendars from the
following firms: John Lucas & Co., Phil-
adelphia, Pa.; Arthur Cowee, Berlin,
N. Y.

American Carnation Society.

Edgar McConnell, Sharon, Pa., regis-
ters Sunrise, color, outer part of petals
pure white blending to a clear pink at the
center; flowers two and one-half to three
inches, with fine clove fragrance and hold
their size and color to midsummer; stems
strong and wiry, eighteen to thirty
inches long; calyx never bursts; foliage
and growth McGowan type; a vigorous
and rapid grower and a very free and
continuous bloomer.

ALBERT M. HERR, Sec'y.

Chrysanthemum Sports.

Although the origin or cause of sports
is still as obscure as ever, there is one
point that should be borne in mind, that
any sport coming from a sterling variety
like Phoebus as a Japanese, or Charles
Curtis as an incurved, is sure to bear a
close, or I might say identical resemblance
to its parent in habit of growth, and in
all points except color. The same rule
will not apply to varieties raised from
seed of known varieties, though occasion-
ally seedlings also possess a habit very
nearly the same as their parents.—*Edwin
Molyneux in Gardners' Chronicle.*

Weeping Chrysanthemums.

A weeping chrysanthemum named
Pioneer is one of eleven seedlings from a
cross between Eva Knowles and Vis-
countess Hambleon, raised by Mr.
Austen, Ditting Court, Maidstone. The
peculiarity of all eleven plants consisted
in the downward geotropic direction of
the branches, which are bent downward
like those of a weeping ash, but upturned
heliotropic at the ends, when flowers are
produced. This peculiar habit would
render the plant very useful for certain
decorative purposes. No cause could be
assigned by the members of the Royal
Horticultural Society's scientific commit-
tee for the drooping tendency.—*Garden-
ers' Magazine.*

American Rose Society.

Arrangements have been completed for
holding the second annual exhibition of
the American Rose Society on March 19,
20 and 21, 1901. The exhibition will
take place in the ball room of the Wal-
dorf-Astoria hotel and the proceeds will
be devoted to the charitable department
of the Loomis Sanitarium for Consump-
tives, an institution which has enormous
calls upon its resources in and around
New York city. The schedule of the
exhibition which has been already dis-
tributed will be sent by the secretary,
Leonard Barron, 136 Liberty street, New
York city, on application. Several spe-
cial prizes in the form of cups and other
plate are being arranged for and indica-
tions point to a brilliant event. The art
management of the exhibition will be in
the hands of one of New York's most able
artists.

The Trade in Holly.

Holly continues to be the feature of the
holiday greens trade and the amount
sold by all dealers increases. The cheaper
grades go through commission houses
and produce dealers who buy outright at
wholesale. The holly output shows
probably a twenty per cent increase.
Owing to the absence of freezing weather
up to December 1, stock cut during the
last ten days of November was almost
too soft to carry well and where used for
long distance shipments, as such early
gatherings are, showed a tendency to
lose color. Sharp, frosty weather seems
necessary to give the holly leaves their
bright, glossy appearance and harden
them to stand shipping when closely
packed. Freezing en route does not
injure the foliage as much as many sup-
pose. If cases are thawed slowly at a
temperature of 45° before unpacking, but
little damage will result.

Boston.

STORY OF THE GREATEST CHRISTMAS
NEW ENGLAND HAS EVER ENJOYED.—
PLANT TRADE VERY LARGE.—WHITE
FLOWERS SAVED FROM DISASTER.—RED
FLOWERS IN GREATEST DEMAND.—DE-
MAND ALL FOR SUPERIOR GRADES—
VIOLETS DO POORLY.—EXPRESS COM-
PANIES SWAMPED.—VARIOUS NOTES.

It was a great Christmas in Boston.
Such weather at this time of the year
was unprecedented, even within the
memory of the boastful "oldest inhab-
itant." There must have been nearly a
million shoppers in the streets during the
three days preceding the holiday, and the
florists got their full share of the money
spent. The fun began with the holly and
other greens, of which there was an
unlimited supply, of generally excellent

quality. The earlier shipments of holly
had been received in more or less dam-
aged condition consequent upon the
effect of the warm weather, but later
cuttings, which were consigned in un-
expected quantities, came in splendid
shape and, being heavily berried, found
an enormous sale, although at lower val-
ues than ever before, prices being about
one-half those ruling last year, which, at
the time, were considered ruinously low.
Mistletoe came in better condition than
ever before but found a light demand.

As in other places, the plant trade made
inroads upon the domains of the cut
flower trade, and all the dealers report
greatly increased sales in this line. Aza-
leas and Lorraine begonias led the pro-
cession. Practically all the azaleas in
sight were gobbled up promptly, Ver-
vaneana being especially popular. The
begonia has now got beyond the novelty
period and is firmly established as a
staple article. Some of the dealers over-
looked this fact and put an almost pro-
hibitive value on their plants. Between
the grower who forces the life half out of
it and the dealer who wants to get the
most of his store rent out of the profit on
one sale, Begonia Gloire de Lorraine has
had its own troubles, but it is "getting
there" notwithstanding. Jerusalem cher-
ries, Chinese primroses and cyclamens all
fared well, as did also Roman hyacinths
in pans. The usual run of foliage plants
and ferns found a largely increased
demand, and prices were generally reason-
able.

White flowers had a narrow escape
from disaster. The enormous demand
caused by the funeral of Ex-Governor
Wolcott and others of lesser note saved
the day for hyacinths, narcissi and white
roses and carnations, which are always
so hard to move at Christmas, and also
helped out effectively on the violet prob-
lem. The receipts of the latter were very
heavy, despite the forebodings of the
growers, and proved very refractory
stock for those who had loaded up at the
enhanced prices placed on them, for the
public rebelled at paying a dollar for
what they had been accustomed to get
for half a dollar. Had it not been for the
Wolcott funeral the violet growers would
have heard something drop, as the
retailers are on the point of open rebel-
lion.

As to red flowers, the old Christmas
experience was repeated. Prices soared
to an unheard of degree on scarlet carna-
tions, good stock of fancy varieties bring-
ing all the way from \$6 to \$10 a hundred,
Lawsons bringing nearly double these
figures. Mrs. Bradt, although only sug-
gestive of the popular red color, moved
in the highest priced grade, and the pink
varieties were but a little way behind.
Neither the retailers nor the public seemed
to feel the resentment regarding the car-
nation prices that they did towards the
violet "hold up," a good reason for which
was probably the recognition that the
carnations for which they are asked to
pay high prices now are very different
goods from the cheaper stock of former
days.

Not on carnations alone, but on roses,
also, the willingness to pay full values
for first-class material was everywhere
evident and there was no difficulty in
getting the highest price quoted for super-
fine selection. The gap in values between
this special grade and the common class
of stock was very wide. Top quality
American Beauty, for instance, cleaned
up at \$18 a dozen wholesale, while third
quality could not be unloaded at \$10 a
hundred.

There were a few *Harrisii* lilies in evidence, and these with white lilacs and yellow trumpet daffodils, were the only things noted as exceptional to the daily run of cut flower stock coming to the market during the past month. A good many poinsettias were used and there were quite a few chrysanthemums, which their owners had succeeded in holding over in fairly good condition, but they seemed out of place and could well have been spared.

Sunday coming on the 23d was a great advantage to the retailers, giving them a respite between the two busy days and an opportunity to get everything in order to meet Monday's rush. To the wholesaler, however, Sunday proved a serious disadvantage. Express shipments, both coming and going, were managed with great difficulty and inconvenience and there were many instances of vexatious delays which the overtaxed express companies were powerless to prevent. Otherwise the wholesalers had every reason to feel satisfied with their Christmas business.

The above recorded facts apply to the days immediately preceding the holiday, and not necessarily to Christmas day. On that morning the receipts of flowers of all sorts were heavy and prices swung back to their old place. White carnations dropped to \$2 per hundred with but few takers, and the weather being warm and sunny no scarcity was felt in any line.

J. N. May has just closed the deal with Robert Montgomery by which he becomes the owner of the Mrs. Oliver Ames rose.

W. W. Tailby is pointing with pride to his sales book showing sales of Lawson carnations at \$2 a dozen.

Geo. Sutherland and N. F. McCarthy each handled an enormous quantity of holly this season.

E. N. Pierce & Son brought in Monday morning fifty dozen chrysanthemums in several varieties.

The best white carnation seen in this market was Pond's seedling at Welch Brothers'.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcaum building, 18 W. Saratoga street. Second and fourth Mondays of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. First Tuesday in January, at 8 p. m. W. K. Wood, Sec'y, W. Newton, Mass.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. First and third Friday of each month, at 8 p. m. Charles Hunt, Sec'y, 84 Randolph street, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. S. Bartlett, Sec'y, 313 East Second street.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Mondays of each month, at 8 p. m. A. H. Graham, Sec'y, 2549 Euclid avenue, Cleveland.

DES MOINES, IA.—Des Moines Florists' Club, at various florists' establishments. Last Monday in each month, at 8 p. m. J. T. D. Fulmer, Sec'y, 702 Walnut street, Des Moines.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Horticultural rooms, State House,

Indianapolis. First Tuesday of each month, at 8 p. m. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House. Thursday evenings, at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-ninth street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg Day Flower Co., 504 Liberty street. Second Tuesday of each month, at 8 p. m. T. P. Langhans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardener's Club of Rhode Island, 96 Westminster street, Providence. Second Thursday in each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 8 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association. St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 438 Spadina avenue.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge Sec'y 616 Washington street, Hoboken.

OBITUARY.

MRS. J. O. PRIDMORE.

Mrs. J. O. Pridmore, wife of the well known and highly esteemed Rochester florist, died on Friday, December 21. The trade unites in extending sympathy to Mr. Pridmore.

EDWIN J. GLOVEE.

Edwin J. Glover, of Utica, N. Y., died of heart disease on December 16. He was a native of Staffordshire, England, born in 1840. At eighteen he came to America, serving through the civil war in the 146th New York Volunteers. He was a prisoner for five months in Andersonville. For ten years past he has been engaged in the florists' business. He leaves a widow, three daughters, two sons and eleven grandchildren.

UNIONVILLE, PA.—Joseph Renard, who once had a very prosperous business, has suffered the seizure of his personal property by the sheriff.

WABASH, IND.—J. E. Cochran is building up an excellent business at the Falls avenue greenhouse. He recently gave a very successful chrysanthemum show at Keller's candy kitchen.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. WARREN, 2320 South Park Ave. Chicago.

SITUATION WANTED—By experienced store man. First-class maker-up and decorator; single, age 30. References. Address W X, care Am. Florist.

SITUATION WANTED—By practical, all around grower, single, competent to take charge or fill any position. Address FLORIST, Hotel Holland, 576 W. Center St., Marion, O.

SITUATION WANTED—Now or later by a thoroughly practical German 32 years of age; single. Has had life experience in greenhouse, gardening and nursery. Good references; private place. Address E. SCHAEFER, 56 Front Street, Rochester, N. Y.

SITUATION WANTED—By a competent reliable grower of roses, carnations or mums, roses much preferred; 8 years' of excellent experience; age 21, strictly temperate. Private or commercial. Only those with permanent positions to offer need apply.

RALPH A. RICHARDSON
1631 Fletcher Street, Indianapolis, Ind.

SITUATION WANTED—By a thorough practical gardener and florist, 25 years' experience with roses, carnations, violets, mums, palms and bedding plants. Open for engagement February 1; private place preferred. Married; age 42; one child. First place references as to ability and character, not afraid of work. Address GARDENER, 82 South Avenue, Poughkeepsie, N. Y.

WANTED—Experienced rose grower, section man. Address S. J. REUTER, Westery, R. I.

WANTED—A first-class man for propagating and grafting roses. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—Boy to learn the growing of roses and carnations. State age. Address JOHN L. WYLAND, DeHaven, Pa.

WANTED—Single man for general greenhouse work, Chicago; wages \$15 per month and board to start. M, care American Florist.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Single man, practical grower of cut flowers and vegetables under glass. Wages \$35 board, room. J. H. HARRELL, Little Rock, Wash.

WANTED—Working foreman, one who thoroughly understands the growing of cut flowers and plants—particularly Am. Beauties, roses, mums, etc.—in an establishment of 65,000 square ft. of glass. Good position for competent man. Address PHILLO, care American Florist.

WANTED AT ONCE—First-class rose and carnation grower to take charge of about 20,000 square feet of glass. State wages wanted with board, washing and room; your age, how soon you could come and your telegraph address. Address JOHN L. WYLAND, DeHaven, Pa.

WANTED—Practical partner, some cash to increase plant and take foremanship. Greenhouses built this fall. At present growing vegetables and propagating for cut flower business next season. Twelve acres in small and large fruits, full bearing. Three cities convenient, which offers the best prices, greatest demand in America. Further particulars write J. H. HARRELL, Little Rock, Wash.

FOR SALE—33 feet second-hand A1 2-inch pipe. Make me best offer. Address D. M. ALEXANDER, Westerville, Franklin Co., O.

FOR SALE—Four greenhouses 20x100 all in good shape; also two-story dwelling, one acre of ground. Owner wants to go out of business on account of ill health. Address J. FULLE, Desplaines, Ill.

FOR SALE—Excellent establishment of 4000 feet of gas, stocked with carnations and miscellaneous plants; 1 acre land, new residence, 25,000 population, in center of Wisconsin. Address C. H. care American Florist.

FOR SALE—Greenhouse property, 35,000 ft. of glass, well stocked with roses, carnations, smilax and bedding plants; steam heat, city water, street care to door; excellent shipping facilities; situated in Northern Ohio. A bargain if sold soon. If you mean business, address OHIO, care American Florist.

FOR SALE, Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 6 of carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St.

NEW YORK.

Little Rock, Ark.

The flower trade has been very good here this fall, chrysanthemums selling for better prices than ever before. The everyday stock brought \$1.50 per dozen and choice blooms sold as high as \$4 per dozen. Joseph W. Vestal & Son had exceptionally fine stock and report a correspondingly active trade. Tipton & Hurst also had good success and William Gallagher's Wm. H. Chadwicks were extra. The pink sport of Chadwick which aroused considerable controversy last winter did very well with Mr. Gallagher. G.

Wholesale Flower Markets

CINCINNATI, Dec. 27.

Roses, Beauty	25 00@100.00
" Bride	8.00@10.00
" Bridesmaid	8.00@10.00
" Meteor	10.00@15.00
" Perle	4.00@ 6.00
Carnations	2.00@ 6.00
Violets	1.00@ 1.50
Lily of the valley	4.00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Asparagus	50.00
Galax leaves	.15
Roman hyacinths	3.00
Narcissus	3.00
Poinsettias	15.00@25.00

St. Louis, Dec. 27.

Roses, Bride, Bridemaid	8.00@15.00
" Beauty, 12 to 20 inch stems, per doz	3.00@ 8.00
" Beauty, long, per doz	9.00@13.50
" Perle	8.00@12.00
" Meteor	12.00@18.00
Carnations, common	2.00@ 3.00
" choice	4.00@ 6.00
Lily of the valley	4.00@ 5.00
Smilax	12.50@15.00
Adiantum	1.00@1.50
Galax	per 1000 1.00 .15
Violets	2.00@ 2.50
Stevia	1.50
Romans, Narcissus	3.00

MILWAUKEE, Dec. 27.

Roses, Beauty, long, per doz	10 00@12.00
" " med	6 00@ 8.00
" " short	2.50@ 5.00
" Bride, Bridesmaid	8.00@12.00
" Meteor	8.00@12.00
" Golden Gate	8.00@12.00
" Perle	8.00@12.00
Carnations, ordinary	3.00@ 4.00
" fancy	5 00@ 8.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Violets	2.00@ 2.50
Stevia	1.50@ 2.00

PITTSBURG, Dec. 27.

Roses, Beauty, fancy	35.00@50.00
" extra	20.00@30 00
" No. 1	10.00@15.00
" culls	4.00@ 6.00
" Bride, Bridesmaid	3.00@10.00
" Meteor	3.00@10.00
" Perle	3.00@ 6.00
" Cusin	4.00@ 6.00
" Liberty	3.50@10.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.50@ 3.00
Violets	.50@ 1.50
Paper White narcissus	2.00@ 3.40
Romans	1.00@ 3.00
Lily of the valley	2.00@ 5.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@75.00
" Sprengerii	20@ .75
Galax green and bronze per 1000	\$1.25
Dagger ferns	per 1000, 2.00
Chrysanthemums, fancy	20.00@25.00
" ordinary	10.00@15.00

DENVER, Dec. 26.

Roses, Beauty, select	50 00@100.00
" ordinary	10.00@30.00
" Bride, Bridesmaid	6.00@12.00
" Meteor	7.00@12.00
" Perle, Woolton	5.00@10.00
Carnations, ordinary	3.00@ 5.00
" fancy	5.00@ 6.00
Lily of the valley	5.00
Callas	12.50
Harrisii	12.50
Violets single	1.00@ 1.50
" double	1.50@ 2.00
Galax Leaves	.20
Asparagus	60.00
Smilax	15 00
Ferns, per 1000	2.50 .30

J. B. DEAMUD,

.....51 Wabash Avenue, CHICAGO,

WANTS YOUR BUSINESS,

Whether it be Consignments or Orders.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS PITTSBURG, IN SEASON. PA.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.
FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD, - 38 WEST 28TH STREET, NEW YORK.

Wholesale Store, Minneapolis, Minn.

Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. **BRANT & NOE.**
Minneapolis, Minn.

JNO. H. DUNLOP, CHOICE Cut Flowers

All orders receive most careful attention.
TORONTO, ONT., CANADA.
Six prizes Amstrcan Rose Society, New York City.

ONE DOLLAR FIFTY PER 1000 FOR BRONZE GALAX LEAVES

Delivered NOW FREE, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for Ten Cents.

AMERICAN ROSE CO., Washington, D. C.

...GEO. M. KELLOGG...

Largest Grower of... Cut Flowers in the West.

Give us an order and we will please you.
Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.
LONG DISTANCE 'PHONE AT EITHER PLACE
Please mention the American Florist when writing.

JOHN B. FERGUSON, Wholesale Florist,

NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.
Consignments of Roses, Carnations and Violets Solicited.

GALAX LEAVES

Red and green Galax, 55c per 1000.
Leucothoe Sprays, \$2.50 PER 1000.
Cash with first order. Seven years' experience.
Special price to wholesalers.

J. N. PRITCHARD, Elk Park, N. C.

We Have Every Reason

to feel satisfied with our Christmas business. We never had so many orders, such big orders or so much good stock. Never before were we able to give our customers so nearly what they wanted at Christmas; we think

WE MADE A RECORD AS AGAINST OTHER HOUSES.

If you are not satisfied with the treatment you get elsewhere, try us next time. Remember that you can get of us everything to be had anywhere.

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street, CHICAGO, ILL.

Long Distance 'Phone 1977 Central.

NEW YEAR'S PRICE LIST.

BEAUTIES	
Long stem, 36 to 48 inches. per doz.,	\$8.00-\$10.00
Stems 24 to 30 inches	8.00
" 20 inches	6.00
" 15 "	4.00
" 12 "	2.00
Short stems.....	1.00-1.50
Brides..... per 100,	10.00-12.00
Meteors, Maids.....	12.00-15.00
Perles.....	8.00-10.00
Roses, good seconds.....	5.00-6.00
Carnations, standard sorts..	3.00-4.00
Fancy sorts.....	5.00-7.00
Callas..... per dozen,	1.50-2.00
Romans..... per 100,	2.00-4.00
Paper White.....	3.00-4.00
Valley.....	4.00-5.00
Violets.....	1.50-2.50
Mignonette..... per doz.	.50-1.00
Asparagus..... per string.	.75
Galax, green, 1000, \$1; 10,000 for \$7.50; per 100,	.15
" bronze..... per 1000, \$1.50; "	.20
Ferns, per 1000, \$1.50..... per 100	.20
Leucothoe sprays.....	.75
Adiantum.....	1.00-1.25
Smilax..... per dozen,	1.50-2.00
Wild Smilax, parlor brand... per case,	3.25
" " medium.....	4.25
" " large.....	5.50

WIETOR BROS.

51 Wabash Ave., CHICAGO.

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

New Year's Price List.

AMERICAN BEAUTY.

Extra long stem..... per doz.,	\$12.00
30-in. stem.....	10.00
24 "	8.00
20 "	6.00
15 "	4.00
12 "	3.00
8 "	2.00

METEOR..... per 100, \$12.00 to \$15.00

BRIDESMAID..... " 12.00 to 15.00

BRIDE..... " 12.00 to 15.00

PERLE..... " 8.00 to 10.00

CARNATIONS, good..... " 4.00

" Fancy... " 5.00

Quotations subject to change without notice. All other stock at lowest market prices.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of

CUT FLOWERS

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

WEILAND-AND-RISCH

CHICAGO'S RELIABLE Wholesale Growers and Shippers of CUT FLOWERS.

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

A. H. POEHLMANN,

Wholesale Grower of Cut Flowers

All telegraph and telephone orders given prompt attention.

55 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

Wholesale Flower Markets

CHICAGO, Dec. 27.

Roses, Beauty, extra long stems	8.00@12.00
" " 30 " "	6.00
" " 24 " "	4.00
" " 20 " "	3.00
" " 15 " "	2.50
" " 12 " "	1.50
" " short " "	1.00
" Bride, Bridesmaid.....	8.00@12.00
" Meteor.....	8.00@12.00
" Perle.....	6.00@ 8.00
" Golden Gate.....	8.00@12.00
Carnations.....	4.00@ 5.00
" fancy.....	6.00@ 8.00
Violets.....	1.00@ 2.00
Lily of the valley.....	4.00@ 5.00
Mignonette.....	2.00@ 6.00
Marguerite.....	.75@ 1.50
Paper White.....	3.00@ 4.00
Romans.....	2.00@ 3.00
Adiantum.....	.75@ 1.25
Common ferns... per 1,000	2.00
Leucothoe sprays.....	1.00
Galax leaves, per 1000.....	\$1.50
Smilax..... per dozen	1.25@ 2.00
Asparagus... per dozen	7.50@10.00

CUT FLOWERS.

ROSES CARNATIONS and CHRYSANTHEMUMS, regular or special supply. First-class stock at lowest wholesale prices.

W. H. GULLETT & SONS, Lincoln, Ill.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

BUY BOSTON FLOWERS. THEY'RE ALL RIGHT.
 They ship well and they sell well.

The Best Quality Cut Flowers, the Finest Christmas
 Holly and a Full Line of Florists' Supplies. ❁ ❁ ❁

GEO. A. SUTHERLAND,

SEND FOR PRICE LIST.
 TELEPHONE 1270 BOSTON.

67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES.
 Block Letters. \$2 per 100. Script Letters. \$4 per 100. Acknowledged by all florists the best in use. Special prices for doz. lots.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade
 With Highest Grade

**ROSES, GARNATIONS,
 CHRYSANTHEMUMS,
 VIOLETS** and all flowers the
 Boston market affords.

PRICES RIGHT AND PACKING PROPERLY DONE.

N. F. McCARTHY & CO.,

Tel 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing.

**Frank M. Ellis,
 WHOLESALE FLORIST,**

1402 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

**H.G. BERNING
 Wholesale Florist,**

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

**C. A. KUEHN,
 Wholesale Florist,**

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

**The Cincinnati
 Cut Flower Co.,**

416 Walnut St., WHOLESALE FLORISTS.
 CINCINNATI, O.

Consignments Solicited.

Special Attention Given to Snipping Orders.

Wholesale Flower Markets

BOSTON, Dec. 26.	
Roses, Beauty, extra	75.00@100.00
" " medium	15.00@25.00
" " culls	6.00@10.00
" " Bride, Bridesmaid, Meteor	4.00@6.00
" " extra	10.00@20.00
Carnations	2.00@3.00
" " extra	3.00@4.00
Paper White narcissus, Roman	
hyacinths	1.50@2.00
Lily of the valley	2.00@4.00
Mignonette	3.00@4.00
Stevia	1.10@1.50
Violets	1.00@1.50
Adiantum	.75@1.00
Smilax	8.00@12.00
Asparagus	50.00
" Sprengerii, .20@ .25 per bunch	
PHILADELPHIA, Dec. 19.	
Roses, Tea	2.00@4.00
" " extra	6.00@10.00
" " Beauty, extra	20.00@30.00
" " firsts	8.00@15.00
Carnations	1.00@1.50
" " fancy	2.00
Lily of the valley	3.00@5.00
Chrysanthemums	5.00@20.00
Violets, single	.25@.75
" " double	.50@1.00
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.75@1.00
BUFFALO, Dec. 27.	
Roses, Beauty	40.00@75.00
" " Bride, Bridesmaid, Meteor	7.00@10.00
" " Kaiseria	6.00@7.00
Carnations	1.50@3.00
Lily of the valley	4.00
Smilax	15.00@20.00
Adiantum	1.00@1.25
Asparagus	50.00@75.00
Chrysanthemums	10.00@20.00
Violets	2.00@2.50

**Woodroffe & Bernheimer,
 Wholesale Florists**

1604 LUDLOW STREET,

PHILADELPHIA.

Phone 1-42-60-A. Consignments Solicited.
 Please mention the American Florist when writing.

**LEO. NIESSEN,
 Wholesale Florist,**

N. W. COR. 13TH AND FILBERT STREETS,

PHILADELPHIA, PA.

LONG DISTANCE PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

**Geo. M. Moss,
 WHOLESALE FLORIST,**

32 South 17th Street, PHILADELPHIA, PA.

Long Distance Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

**CHAS. B. STAHL
 Wholesale Florist,**

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will
 receive prompt attention.
 Consignments of good stock solicited.

GIVE
 US
 A
 TRIAL.
 WE
 CAN
 PLEASE
 YOU.



Open day
 and night.

Roses, Carnations and all kinds of
 Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Com-
 mission Florist.
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

Try the New Flower Commission House

**WATERBURY
 & CO.,**

48 W. 30th St.,
 NEW YORK CITY.

Correspondence with Growers Solicited.

I can dispose of the product of one more large Rose
 Grower to mutual advantage. Write now.

A. H. LANGJAHR, 19 Boerum Place,
 Brooklyn, N. Y.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD Wethersfield, Conn., Sec'y and Treas.

WILLIAM CASLER has embarked in the seed business at Cape Vincent, N. Y.

CANANDAIGUA, N. Y.—R. A. Mather has purchased the T. C. Parkhurst seed business.

THE advance in the prices of onions should increase the demand for seed the coming spring.

THE engagement is announced of Howard Coonley, of Chicago, to Miss Queenie Ferry, daughter of Dexter M. Ferry, of Detroit.

LESTER L. MORSE, of Santa Clara, Cal., visited St. Paul, Minneapolis and Chicago last week and left for Cincinnati December 24.

WHITE beans have made a sharp advance in price, St. Louis dealers claiming a corner exists at Chicago; price now about \$2.25. This advance is likely to affect the growing prices which will be asked by seed farmers for the coming season.

The Government Seed Shop.

As seedsmen are all "honorable gentlemen" and Congressmen not all they should be, why not refuse to supply seeds for this purpose? Firms in many lines of trade refuse to sell their goods to certain parties who cut prices and do other things not to their liking. Why not seedsmen? The man who sells seeds to the government has to buy seeds. Why not stop right here at this man? If a man gets drunk, they hold the seller of rum responsible, according to law. On this question all Congressmen do not think alike nor do all seedsmen, where the latter get the orders.

E. V. HALLOCK.

Alleged Fraudulent Advertising.

An association of Erfurt (Germany) florists and seed growers, comprising sixteen of the important concerns, has given publication in a number of trade papers to the statement that its members will refuse to supply either seeds or plants to a certain Erfurt firm. This action was taken on account of the alleged dishonest competition of the firm in question, which, it is claimed, offered plants, bulbs, etc., at bankrupt prices, wording the advertisements in such a way that the reader can construe them to mean that the advertiser had secured the surplus stocks of all the Erfurt growers for disposal. One of the members of the association has instituted a suit against the party concerned for dishonest competition. German trade papers seem to indorse the action of the association.

Scottish-Canadian Seedsman as M. P.

It is said, and seemingly with a fair amount of truth, that "a Scotsman is never at home except when abroad." We have news of Mr. Frank C. Bruce, a native of Peebles-shire, Scotland, where he was born in 1837. His father was fruit foreman with Dicksons & Co., Edinburgh for upwards of twenty-five years. Young Bruce began life as an apprentice in the seed department of this firm, and there he remained till the year 1857. In that year he emigrated to Hamilton, Can-

ada, and joined his brother, John A. Bruce, in the seed business, which they still conduct. During his long residence at Hamilton, Mr. Bruce has been identified with public affairs to a considerable extent, and has held some of the highest and most responsible positions in the city. His crowning position of honor has culminated in his being returned as one of the M. P.'s for Hamilton, in the Canadian government, at the election in the early part of November last.—*Gardening World.*

Destroying Insects In Seeds.

Willis G. Johnson, entomologist of the State of Maryland, has issued the following circular with regard to the use of carbon bisulphide for the destruction of insects in seeds:

This department is receiving many requests for a remedy for the destruction of the grain weevil and grain moth in wheat and other grains. These pests are doing an unusual amount of damage to stored grains over a large area of the United States.

The remedy for this pest is a simple one and not difficult to apply, but must be handled with great care. Bisulphide of carbon is the material used. It is a very foul-smelling, volatile liquid, as clear as water, the fumes of which are several times heavier than air. They create a death atmosphere in which no animal life can survive. The material can be placed directly upon grain without the least deleterious effect, so far as injury to the germ is concerned and it does not hurt its edible properties. Although a very foul-smelling liquid, it leaves no bad after effect, and is sure death to insects wherever it reaches them. The material can be bought at about 10 cents per pound.

From one to two pounds of the material is all that is necessary for every hundred bushels of grain in store, or the same amount for every thousand cubic feet of space. The amount used depending upon the tightness of the building or bin and the intensity of the attack. If the bin is very tight, one pound of bisulphide to every hundred bushels will be sufficient. If open, use two pounds. In applying the chemical, after the capacity of the bin or house has been determined, it should be placed in tin pans, soup plates, or any vessel with a large evaporating surface and

set around directly on top of the grain. The room or bin should be closed as tightly as possible and left for at least 24 hours. I would advise its use in pans or soup plates, as the fumes are kept more constant for a greater length of time, as evaporation is gradual, and better results are secured.

It must be borne in mind that this material is a very explosive one, when the fumes are mechanically mixed with air; therefore it must be handled with caution during the fumigation of a house or bin. Especial care should be taken that no lights or persons with a light of any kind, even a cigar or pipe, are allowed around the room or building.

With this caution, there need not be any fear to persons applying it, as a reasonable amount can be inhaled without injury during the operation. Of course it is necessary for the person applying the material, to get out of the building as soon as possible.

FRANKLIN, N. H.—The greenhouses of Kelly Brothers have been leased to C. V. Kimball.

WEST HOBOKEN, N. J.—An overheated furnace caused a \$1600 loss at the establishment of Charles Heins on December 15. Three houses were destroyed with their contents.

PROVIDENCE, R. I.—Following the meeting of the Rhode Island Horticultural Society, December 19, J. K. M. L. Farquhar delivered his illustrated lecture on Jamaica, being very well received.

LEWELLYN PARK, N. Y.—J. B. Davis is building a gardener's cottage and entrance lodge at Wildmont, gothic in design and with original features in keeping with the rural surroundings of this beautiful estate.

MONTREAL, CAN.—Trade prospects are very good here at present and there is promise of a continuance of same during the coming year. For this week J. S. Murray has extensive ball decorations in which only the choicest stock, including American Beauty roses and lily of the valley, is to be used.

Johnson & Stokes' Seeds

are grown exclusively for the most critical market garden and florist trade and are known in every large market of the United States as producers of vegetables and flowers which are the accepted standards of excellence.

Write now for our New Quarterly Wholesale Catalogue.

JOHNSON & STOKES, PHILADELPHIA, PA.....

To The Trade.

For the third time since we started in business nine years ago, we have, owing to the rapid growth of our enterprise, been compelled to move again.

We are now located at 1513 and 1515 Howard St., our building consisting of four floors and basement, 182x44 feet, well adapted for our needs.

We have put in the latest improved machinery for re-cleaning Garden, Grass and Field Seeds, and we have spared no expense to make our new quarters a model seed house.

We have one of the most complete stocks of Garden, Grass and Field Seeds to be found anywhere, and this season will find us in position to handle a larger volume of business than heretofore.

Yours very truly,

THE NEBRASKA SEED CO.,

Henry G. Windheim, Mgr. OMAHA, NEB.

Please mention the American Florist when writing.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties.

CLOVERS—Red, Saling, Alfalfa, Crimson, White, Alsike, Japan, etc. WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN" Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO., The Largest and Best Collection of Seeds in Ky., LOUISVILLE, KY.



TUBEROSE BULBS.

(Excelsior Pearl.)

Genuine Hallock dwarf strain, cured by fire heat, sound, dry, hand picked.

FIRST SIZE—F. O. B. Chicago, 4 to 6-in., per 1000, \$7.50; 3000 \$21.00.

From N. Y. City, 50c per 1000 less.

Mammoth Bulbs—6 to 8-in., per 1000, \$10.00.

Medium Bulbs—3 to 4-in., per 1000, \$3.50; 10,000 lots; F. O. B. Chicago, \$30; F. O. B. New York, \$27.50.

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St.

NEW YORK: 14 Barclay St.

KENNICOTT BROS. CO.,

Wholesale Commission Florists

42-44 E. Randolph St.,

.....CHICAGO, ILL.

Please mention American Florist when writing.

150,000 STOCK PLANTS and ROOTED CUTTINGS

Now ready for immediate delivery

At Popular Prices.

ROSES—Brides, Bridesmaids, Meteor, Perle, Kaiserin and Golden Gate. Big strong rooted cuttings \$1.50 per 100; \$12.50 per 1000. Any quantity from now on.

CARNATIONS—Strong healthy cuttings, well rooted, in any quantity, embracing the 25 choicest varieties in cultivation. See our list and prices.

GERANIUMS—Bruanti, Heteranthe, Grant, S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, Athlete, LaFavorite, White Swan, Mrs. J. M. Garr, Mme. Jaulin, Frances Perkins and other varieties, strong 2 1/2-inch plants \$2.50 per 100; \$22.50 per 1000. Strong rooted cuttings of above, ready for 2 1/2-inch pots, \$1.50 per 100; \$15.00 per 1000. All kinds mixed, \$1.25 per 100; \$10.00 per 1000. Rose Geraniums, \$1.25 per 100.

COLEUS—Our champion collection, embracing the newest sorts and only those of decided merit. All bright colors, clean and healthy. Strong plants, from 2 1/4-inch pots \$1.50 per 100. Strong rooted top cuttings, fine ones, ready for 2 1/2-inch pots, 75 cents per 100; \$6.00 per 1000.

VERBENAS—New Mammoth and 20th Century Collection, 25 grand sorts, 2-inch and 2 1/4-inch, strong, healthy plants, green as grass, full of cuttings, \$2.00 per 100; \$18.50 per 1000. Rooted cuttings, big ones, as clean as a whistle, 60 cents per 100; \$5.00 per 1000.

PEUNIAS—Double Fringed, Henderson's and Dreer's latest sorts, including also White Fawn, Mrs. Sander and Pink Perfection. Large rooted cuttings ready for 2 1/2-inch pots, \$1.25 per 100 by mail; \$10.00 per 1000 by express. Pure white only, \$1.50 per 100.

NEW AGERATUMS—Stella Gurney, the grand novelty of 1900, and Snow Drift, the peerless white, strong 3-inch stock plants full of cuttings, 50c per dozen; \$3.00 per 100. Strong rooted cuttings \$1.00 per 100. Louise Bonnat, latest novelty in white, and Princess Pauline, latest blue, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 60c per 100, (special).

ALTERNANTHERAS—bright red, variegated and yellow, 50c per 100, \$4.00 per 1000, (special for ten days).

NEW SALVIAS—St. Louis and Splendens, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 75c per 100, (special).

MARGUERITES—New California Giant White and New Golden, strong 2 1/4-inch, \$2.00 per 100; strong R. C., \$1.00 per 100.

ASPARAGUS SPRENGERII—strong 2 1/4-in., ready for 3-inch, \$2.00 per 100, (special).

CASH WITH ORDER.

South Side Floral Co., Springfield, Ill.

XXX STOCK.

Cyclamen Persicum Splendens Giganteum, from 3-in. pots in bud, \$7.00 per 100, \$65.00 per 1000.

Geraniums, Dbl. Grant, Alphonse Riccard, John Doyle, Bruanti, B. Poitevine, Floire de France, Griffith, LaFavorite, S. A. Nutt, strong plants from 2 1/4-in. pots, \$3.00 per 100, \$25.00 per 1000.

Begonia Rex, (rooted cuttings), in 15 standard varieties, labeled, \$2 per 100; mixed, \$1.50 per 100. I solicit your patronage and guarantee satisfaction.

PAUL MADER, E. Stroudsburg, Pa.

500,000 VERBENAS.

60 finest named varieties, including our NEW MAMMOTH WHITE, "MRS. MCKINLEY." The finest white verberna grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; \$5.00 per 1000. Plants, \$2.50 per 100; \$20 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

NEW CROP FLOWER SEEDS

FOR PRESENT SOWING.

	Tr. pkt.	Oz.
Ampelopsis Veitchii	.10	.15
Anthurinum, Giant flowered, mixed	.10	.25
" Pure white	.15	.30
Bellis Perennis, (Double Daisy)		
Vaughan's Mammoth, mixed		
1-16 oz. 40c	.25	
Mammoth Daisy, white 1-16 oz. 50c	.25	
" pink	.25	
Longfellow, 1/2 oz. 35c	.15	2.00
Snowball, 1/2 oz. 40c	.15	2.50
Fine mixed, 1/2 oz. 25c	.10	
Browallia, mixed	.10	.50
New very large flowering blue	.25	
Candytuft Giant Hyacinth flowered, pure white	.10	.60
Candytuft Empress	.10	.20
Clematis Paniculata	.15	.75
Lobelia, Bedding Queen. The best Lobelia for carpet beds, borders and pots	.25	
Crystal Palace Compacta	.10	1.50
Speciosa, for hanging baskets	.10	.75
Maurandya, mixed, 1/2 oz. 40c	.15	1.25
Barclayana	.20	
Mignonette, Machet	.10	.50
May's Giant	.25	1.75
Petunia, Vaughan's Best Mixture	.50	
The best mixture of large-flowering varieties in existence		
Petunia, Giants of California, mixed 1-32 oz. \$1.25	.50	
Salvia "Drooping Spikes"	.15	2.00
One of the best for florists' use		
Salvia Clara Bedman	.25	2.50
Stock, Snowflake, forcing, the earliest white Ten Week, 1/2 oz. \$1.00	.25	
White Perfection "Cut and Come Again", 1/2 oz. 40c	.25	
Large Flowering Ten Week in 7 distinct colors, 7 pkts. for \$1.25	.25	
Extra choice mixed	.10	
Smilax, new crop, lb \$3.00	.10	.30
Thunbergia, mixed	.10	.35
Torenia Fournieri, blue	.25	
Fournieri Compacta	.25	
White Wings	.20	
Vinca Rosea, pink	.15	.60
Alba, white with eye	.15	.60
Pura, pure white	.15	.60
mixed	.15	.60

SWEET PEAS.

Four of the best and most profitable varieties for florists' use:	Oz.	1/2 lb	lb
White, Emily Henderson	.05	.10	.30
Pink, Prima Donna	.10	.20	.60
Lavender, Countess of Radnor	.05	.12	.40
Pink and White, Blanche Ferry, Extra Early	.05	.10	.30

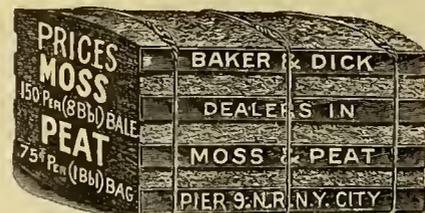
VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph Street.

NEW YORK: 14 Barclay Street.

CHRYSANTHEMUMS.

Stock plants, variety unexcelled, from benches and 8-in. pots, packed light, \$5 per 100; 5 per cent for cash with order. White: Mme. Bergman, Ivory, Merry Christmas, White Swan, Mrs. Jerome Jones, Mrs. H. Robinson, Queen, Niveus, Domination, Yanoma, Evangeline, Wadamaker, Pink; Autumn Glory, Harry Baisley, V.-Morel, Glory of the Pacific, Heien Bloodgood, Pink Ivory, Pres. Smith. Red: Cullingfordii. Yellow: Clara Goodman, Eugene Daildeouze, Hicks Arnold, Harry May, Mrs. L. C. Maderia, Golden Wedding, W. H. Lincoln, Yellow Fellow, Golden Hair, Harry Hurrell. 25 at 100 rate.
JOHN J. ARNO, D., Homer, N. Y.



THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE Great Northern Nursery Company has been incorporated by P. J. Regan, H. J. Paasch and Charles Kane, with \$25,000 capital stock and headquarters at Coralville, Ia.

JOBBERS in nursery stock report that the "dollar cherry tree" may become a reality before spring. They say that they cannot now buy at double the price paid a year ago.

CHARLES F. DALLMAN, manager of the Missoula Nursery Co., Missoula, Mont., reports the demand for fruit trees for spring planting the heaviest the northwest has ever known.

At King's Point, six miles from Chattanooga, Tenn., on the Cincinnati Southern Railroad, D. W. Hunter and H. Lightfoot have started nurseries separated only by a road. The peach pit plantings of the two number 1,500,000 and there will be large plantings of apple and pear grafts and strawberries.

Paulownia Imperialis.

The magnificent Japanese tree, *Paulownia imperialis*, was introduced to this country about 1845, and was given very favorable notice by such men as Downing. It was disseminated through some of the best nurseries at that time, and at no time since has been out of the trade. Nevertheless paulownia trees are still a rarity, and good trees are exceedingly scarce. There are some pretty ones in Central Park, New York city, and a few good ones in Washington; but they do not occur often enough but that one always stops and looks a second time when another specimen is encountered. The tree is magnificent in foliage, interesting in form, glorious in blossom, and curious in fruit. The foliage is like that of an abnormally luxuriant catalpa; and the blossoms are something like immense purple catalpa blooms borne in trusses a foot to two feet long. The seed pods have the external form of acorns, and are borne in striking clusters. The accompanying illustration shows a tree loaded with fruit, growing at Denton, Maryland.

The paulownia, unfortunately, is not reliably hardy in our northern winters. Henry Winthrop Sargent records that it is not fully hardy at Newburgh, N. Y., and I remember a single specimen on the grounds of the Kansas Agricultural College at Manhattan which froze back repeatedly, sometimes quite to the ground. Rumpler records that it often freezes to the ground at Erfurt, Germany, though the climate there is not very cold. He says, however, that it sprouts up immediately and very vigorously from the roots, a fact which has been often remarked in this country. It seems to me that this is one of the best ways to treat it in the northern states, just as some landscape gardeners treat catalpa. Plant it for its annual growth, and cut it back every year. In this way it never becomes a tree, and the beautiful blossoms must be foregone; but it adds a striking, clean and useful plant to the shrubby border.

F. A. WAUGH.

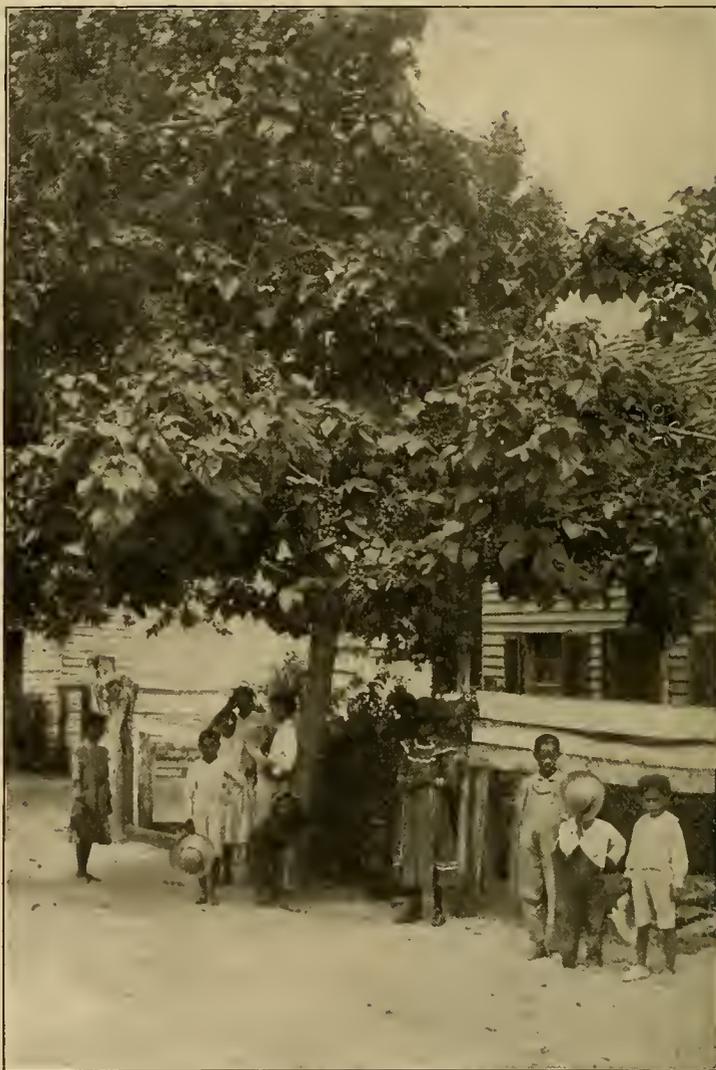
CHELSEA, MASS.—The flower store of M. A. McGee, at 390 Broadway, was damaged by fire on the night of December 9. The loss was about \$250; insured.

Cleveland.

THE CHRISTMAS TRADE REPORT.—SALES HEAVIER THAN EVER BEFORE.—BEAUTIFUL WEATHER FACILITATES HANDLING BIG BUSINESS.—STORY OF THE WEEK.

All reports so far received from retail florists seem to indicate an unusually satisfactory Christmas trade, in many instances considerably surpassing that of any previous holiday season. Prices do not seem to have varied noticeably from those of other years, excepting to some extent in the case of carnations, which sold at better rates than heretofore. To a considerable extent this was probably due to an improvement in

\$1.50 per dozen, the latter rate only on fancy stock, with good average material selling at about \$1. Those at 60 cents were poor. Roses sold at various prices, owing to the great difference in qualities, running from \$1.50 to \$3.50. Beauties brought from \$12 to \$18 per dozen, the latter for very fine stock. Violets were variously reported as to their selling qualities, some reporting everything sold and others having an uncomfortable quantity still on hand. The prices were from \$1 to \$1.25 per bunch in most cases. A few chrysanthemums were offered and seemed to sell well at from \$2 to \$3 per dozen. The flowers were not large but seemed firm and good.



PAULOWNIA IMPERIALIS.

quality as well as to the greater popularity of the flower itself. Plants also seemed to be in greater demand than ever. Another feature that contributed greatly to the volume of business was the magnificent weather, which was absolutely as perfect as could be had at this season of the year, no frost until Christmas day, and then only enough to put a little snap into the atmosphere. The trade in trees and Christmas greens, as well as immortelles and other dried flowers, was very satisfactory, everybody reporting good business, with stocks well cleaned out at good, fair prices.

Carnations sold at from 60 cents to

The fine weather facilitated the handling of large quantities of plants, the leaders being azaleas, Boston ferns, primroses, cyclamens, poinsettias, palms, Pandanus Veitchii and *P. utilis*. They seemed to be in good demand at fair prices and to give purchasers excellent satisfaction, which was not always the case with cut flowers, such as Beauties and violets, the prices of which at times developed a decided inclination to kick, regardless of the futility of the performance at this particular season. In plants the price was usually handed over without a murmur, for the purchasers felt they were getting good value. A.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Denver.

The following is the score for December 18 of the Denver Florists' Bowling Club:

Player	1st	2d	3d	Av
Phil Scott.....	138	164	129	144
C. J. Thiess.....	124	173	120	139
Gus. Benson.....	123	152	118	131
Jno. Berry.....	96	132	159	129
Jno. Reynolds.....	96	129	153	126
C. Benson.....	90	108	134	111
J. A. Valentine.....	115	74	95	

C. J. T.

At West Hoboken.

The demands of the Christmas season kept some of the accustomed bowlers away from the alleys on Thursday evening, December 20. Scores were recorded as follows:

Player	1st	2d	3d	4th	Av
L. Hansen.....	166	170	138	146	155
Brown.....	180	156	120	152	152
M. Hansen.....	161	153	136	144	149
Birnie.....	149	131	112	123	129
Baumann.....	154	112	107	132	126
E. Tschupp.....	125	151	82	97	114
Dietz.....	107	85	110		101

At Chicago.

The Florists defeated the La Salles of Anson's League two games out of three on the evening of December 27. Following is the score:

Florists	1st	2d	3d	T1
Asmus.....	151	151	177	479
Stollery.....	178	190	189	557
Hauswirth.....	182	155	154	491
Balluff.....	195	175	180	550
Winterson.....	178	143	145	476
Total.....	884	814	855	2553
La Salles.....	783	902	772	2457

Mushroom Growing in Cellars.

A question which the seedsman here often has to answer has just been decided with legal formality on the other side of the water in accordance with the accepted understanding, i. e., that the growing of mushrooms in cellars is perfectly harmless. The following account is from the *Gardening World*, of London, Eng.:

"In the sheriff court at Leith, Edinburgh, on December 11, Sheriff-Substitute Maconochie gave judgment in a case raised by the local authority of the burgh of Leith against William McRobbie. The local authority alleged that McRobbie was using certain cellars in various parts of the town for mushroom growing, that the cellars were in proximity to and below the level of dwelling-houses, and contained accumulations varying in quantity from time to time of stable manure, which persistently polluted the atmosphere with gases due to fermentation and the soil with decomposing organic refuse, and that the process of mushroom growing as carried on was a nuisance or injurious or dangerous to health within the meaning of the Public Health (Scotland) Act, 1897.

"On November 13, the sheriff-substitute refused McRobbie a proof, and remitted the matter to Sir Henry D. Littlejohn, M. D., medical officer of health of Edinburgh, for examination and report. Having examined the place where the manure is prepared or "sweetened" at a

considerable distance from dwelling-houses, and the three cellars where the business is carried on, he reported that the vaults appeared to him to be well suited for the purpose; that he could detect no objectionable odor, either within or without the respective premises; that he had since his first examination inspected the localities from time to time, and made inquiries of the neighboring tenants whether they had to complain of any odor from the mushroom beds; that he failed to detect any himself in his subsequent visits, and that the various tenants assured him they had no cause to complain. Further, he reported, that under these circumstances he considered that the trade of mushroom growing in the three localities complained of was carried on in a wholesome manner and did not create a nuisance as alleged.

"Sheriff Maconochie has now granted absolvitor to McRobbie with expenses. The matter has excited considerable local interest and McRobbie's defence has been conducted by P. Murray Thomson, S. S. C., Edinburgh, secretary of the Royal Caledonian Horticultural Society."

Kaiserin Roses At Kokomo, Ind.

Enclosed you will find a photograph of my house of Kaiserins, taken a few days before Thanksgiving. We had cut over 1,000 blooms out of this house in the ten days before the photograph was taken. The house is 20x100 feet with solid beds in center and narrow side benches. The solid beds were planted in 1893, about one-quarter of the stock being grafted. The first year after planting the grafted plants were more productive and vigorous than the own-root plants, but since 1894 I can see no difference between the own-root and grafted stock. These plants have been pruned but twice during the seven years and each time were cut back to within ten or twelve inches of the ground.

Since the first week in September, 1893, we have not missed a single day to cut some Kaiserins from this house. We cut only a few, however, during January and February, but during the balance of the year they make up for their tardiness in the first two months. The plants were cut back this year, one-half of them during the last week in July, the remainder being cut down when the first lot began to bloom. This was done so as to give us Kaiserins right through the summer, as my trade calls for white roses nearly every day in the year. Kaiserins should not be grown in a temperature lower than 58° to 60° at night. If grown in a cool temperature, soft, bull-headed buds will be the result. W. W. COLES.

[The photograph showed a fine crop of flowers, but it was, unfortunately, too dark for satisfactory reproduction.—Ed.]

The Christmas Tree Trade.

For the first time in the history of the Christmas tree trade there was this year a greater demand for them in New York than in Philadelphia. Better prices were realized there than ever before, and a week ago the supply became so short that ten carloads of the best trees at Philadelphia were reshipped to New York. A total of 150 car loads from Maine, New Hampshire and Vermont, about 60,000 trees, were disposed of to Philadelphians. New Yorkers purchased 200 car loads.

Of the entire lot less than three car loads remained unsold Christmas eve, and these were retailed at advanced prices. Thirty wholesalers were interested in the venture in Philadelphia this season, and of that number only three remained Christmas eve, the others having sold out and returned home.

The trees, according to a Vermonter, cost from 5 to 10 cents apiece, ready for hauling to the railroads. Freight charges averaged from \$35 to \$45 per car, according to distance, the cars containing from 350 to 1000 trees. All the medium-sized trees were first sold, and the largest are the only ones left on hand.

The trees this year were not up to the average grade of former years, and prices were not so good, although the sales in aggregate, by selling out the supply, made the profits larger than for years past. Up to this season Philadelphia has been the best market for the evergreens, with New York second and Boston third. Western cities are not considered worth shipping to, nor are any of the smaller towns in New York or Pennsylvania.—*Philadelphia Record*.

St. Louis.

ALL REPORTS POINT TO AN EXTENDED HOLIDAY TRADE.—MORE BUSINESS COULD HAVE BEEN DONE HAD GOOD STOCK BEEN AVAILABLE.

We cannot say much regarding the Christmas business, but all whom we have heard from report a greater trade than ever before. Waldbart, Ayres, Weber, Newman and others of our leading West End florists say they did a splendid business, and Reissen, Ellison & Tesson, Foster and others down town claim to have done well, but each one could have done much more if they could have procured more good stock. Select material was very scarce, especially Meteor roses. There was an over-supply of poor stock in roses. Carnations were quite plentiful and sold well, the choice grades bringing 6 cents each. Our wholesale men report having done a larger business than usual at Christmas, especially in shipping. R. J. M.

Catalogues and Cut Flower Price Lists Received.

Cozy Aine Fils & Cie, Lyon, France, plants; Jaques Hasslach, Nimes, France, seeds; Chicago Carnation Company, Joliet, Ill., rooted carnation cuttings; J. L. Dillon, Bloomsburg, Pa., plants; H. H. Groff, Simcoe, Ontario, Can., gladioli seedlings; Texas Seed & Floral Co., Dallas, Texas, seeds, plants and bulbs; Henry F. Michell, Philadelphia, Pa., flower seeds; H. L. Holmes, Harrisburg, Pa., seeds.

DES MOINES, IA.—It is reported that J. T. D. Fulmer has retired from business.

MISSOULA, MONT.—The Missoula Nursery Company has recently completed a modern greenhouse for growing roses and carnations.

RACINE, WIS.—A. J. Fidler came near a big loss by fire on December 23. It was only the prompt action of the fire department which saved his houses.

JOLIET, ILL.—The stock of all kinds at Joseph Labo's growing establishment, especially that of carnations, never looked better than it does now. W. M. Tiplady has taken charge of the gardening departments at the penitentiary.



NEPHROLEPIS WITTBOLDII.

Strong Plants, ready for 3-inch and 4-inch pots, \$1.00 each; \$10.00 a dozen; \$75.00 per 100.

Now is the Time to Replenish Your Stock

LET US HAVE YOUR ORDER FOR DECORATIVE PLANTS.

Our stock is cool grown and the plants are low, compact and rich in color. It is all such stock as we can send to the most particular trade. We have done a very large business this season but as yet we are able to supply all sizes. Let us have your order today.

Kentias==Latantias

Varieties	Size Pot	Height Inches	No. Leaves	Each	Per Doz.	Per 100	Per 1000
Kentia Belmoreana	2 1/4	8 to 9	3 to 4	\$ 1.50	\$12.00	\$100.00	
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00	180.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	30.00	300.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00	600.00
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00	90.00	900.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	125.00	
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00	
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00	
Kentia Forsteriana	2 1/4	8 to 9	3 to 4	1.50	12.00	100.00	
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00	180.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	60.00	600.00
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00	90.00	
Kentia Forsteriana	6	28 to 30	5 to 6	1.25	15.00	125.00	
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00	
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00	
Latania Borbonica	3	12	5 to 6	1.00	8.00	75.00	
Latania Borbonica	3 1/2	12 to 15	5 to 6	.15	1.50	12.00	100.00
Latania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00	175.00
Latania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00	300.00
Latania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00	
Areca Lutescens	2 1/4	5 to 6	3 plants in pot	1.00	8.00		
Areca Lutescens	3 1/4	12 to 14	3 "	2.00	15.00		
Areca Lutescens	4	15 to 18	3 "	.25	3.00	25.00	

..Asparagus..

Varieties	Size Pot	Doz.	Per 100
Asparagus Sprengerii	2-inch	\$.50	\$ 4.00
Asparagus Sprengerii	4-inch	1.50	12.00

Miscellaneous.

Varieties	Pot	Height	Leaves	Each	Doz.	Per 100
Araucaria Excelsa, 4-inch, nice plants						\$.50
Araucaria Excelsa, 4 1/2-inch, nice plants						.75
Araucaria Excelsa, 5-inch, nice plants						1.00
Ficus Elastica	6	22 to 23	12 to 14	\$.75	\$ 7.20	\$60.00
Ficus Elastica	7	24 to 28	14 to 16		10.00	75.00
Pandanus Urtilis	2 1/2	6 to 8	10 to 12		1.00	8.00
Pandanus Urtilis	3	8 to 10	12 to 15		2.00	15.00
Pandanus Veitchii	6	strong		1.50	18.00	
Pandanus Veitchii	7	strong		2.25	27.00	
Pandanus Veitchii	8	strong		3.00	36.00	
Dracena Terminalis	3 1/2			2.00		
Dracena Terminalis	4			4.00		
Cocos Weddeliana	3			.25	2.00	15.00
Phenix Reclinata	10	40 to 45	6 to 8	3.50		
Phenix Reclinata	3		4 to 6		1.50	10.00
Phenix Canariensis	3		4 to 6		1.50	10.00
Aspidistra Lurida	4				3.00	
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00	
Corypha Gebanga	3	12	5 to 6		3.00	
Sansevieria Javanica Variegata, 2-inch, strong plants	dozen					.60
Sansevieria Javanica Variegata, 3-inch, strong plants	"					1.25
Sansevieria Javanica Variegata, 4-inch, strong plants	"					2.00
Sansevieria Javanica Variegata, 5-inch, strong plants	"					3.00
Peperomia Argyrea (Saundersii)	"					2.00
Peperomia Alata	"					2.00
Maranta Kerchoviana, 3 1/2-inch	"					2.00
Zingiber Officinale, Ginger Plant, 4-inch	"					2.00
Zingiber Officinale, 5-inch	"					3.00
Curculigo Recurvata, 4-inch	"					2.00
Curculigo Recurvata, 5-inch	"					4.00
Cyperus Alternifolius, 5-inch	"					1.50

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Serrulata	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Crytomium Falcatum	2-inch	.50	4.00
Crytomium Falcatum	3-inch	1.00	8.00
Crytomium Falcatum	4-inch	1.50	10.00
Crytomium Falcatum	5-inch	2.00	
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

NEPHROLEPIS WITTBOLDII, strong plants, ready for 3 and 4-in. pots, \$1 each; \$10 per dozen; \$75 per 100.

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place, CHICAGO, ILL.

Please mention the American Florist when writing

GRAND OFFER, FINE PLANTS, NONE BETTER.

ARECA LUTESCENS.

Size pot.	Height.	Each.	Doz.
4-inch	18 3 in	.30	3.50
5-inch	20 to 24	.60	
8-inch	36	2.50 to 3.00	

KENTIA BELMOREANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	12 inch	\$.20	\$ 2.00	\$12.00
4-inch	5 to 6	15	.50	5.50	
6-inch	8 to 10	24	Fine bushy plants,	\$2.00 ea.	
6-inch	7 to 8	30	"	2.50 ea.	

KENTIA FORSTERIANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	9 to 10	\$.30	\$ 3.00	\$25.00
4-inch	4	15 to 18	.40	4.00	
6-inch	5 to 6	40	2.75	30.00	

LATANIA BORBONICA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	5 to 6	12 inch	\$.15	\$ 1.50	\$12.00
4-inch	5 to 7	15 to 18	.25	3.00	20.00
6-inch	6 to 8	24 to 30	1.00	12.00	
6-inch	6 to 8	30	1.50	16.00	
6-inch	7 to 8	30	2.00	bushy	

COCOS WEDDELIANA.

Size pot.	Height.	Each.	Doz.	100
3-inch	12 to 14	\$.20	\$2.40	\$18.00

BOSTON FERNS.

Size pot.	Each.	Doz.	100
3-inch	\$.30	\$ 2.00	\$15.00
4-inch	.35	4.00	
5-inch	.75	8.50	
6-inch pot or pans.	.75	9.00	
6-inch " bushy	1.00	12.00	
7-inch " " "	1.50	18.00	
8-inch " " "	2.00	21.00	
9-inch " " "	2.50	27.00	

FICUS ELASTICA.

Size pot.	Height.	Each.	Doz.
6-inch	24 to 30	\$.75	\$9.00
6-inch	30 to 34	1.00	12.00
8-inch	48	1.50 to 2.00	

REX BECONIAS.

Size pot.	Each.	Doz.	100
3-inch	\$.10	\$1.20	\$10.00
5-inch	.20	2.25	18.00

ASPARAGUS SPRENGERII.

Size pot.	Each.	Doz.	100
3-inch	\$.60	\$ 5.00	
6-inch	\$.35	4.00	25.00

DRACENA INDIVISA.

Size pot.	Each.	Doz.	100
5-inch	\$.35	\$ 4.00	\$25.00

CYCLAMEN PERSICUM CICANTEUM

2 1/2-inch at \$4.00 per 100; 6-inch at 40c each, \$4.50 per dozen; 7 and 8-inch pans, 75c each, \$8.50 per dozen. These plants are nicely budded.

Dracena Bruanti, \$1.50 each, \$18 per dozen.
 Dracena Massangeana, \$2 each, \$24 per hundred.
 Dracena Lindenii, \$1.50 each, \$18 per dozen.
 Dracena Terminalis, 50c each, \$6 per dozen.
 Small Ferns, Adiantum Cuneatum, 3-inch pots, \$6 per hundred.
 Mixed Ferns, 3 inch pots, \$6 per hundred.
 Cyperus Alternifolius, 3-in. pots, \$5 per hundred.
 Hydrangea, Otaksa, 6-inch pots, \$10 per hundred.
 Extra fine for Easter forcing.
 Jerusalem Cherry, nicely berried, 6-inch pots, bushy, 40c each.

Gausperlephtha!

A sure remedy for carnation rust, stem rot and black spot on roses. Spray your plants with GAUSPERLEPHTHA and get rid of these greatest of evils. Having discovered and used this preparation for a number of years, I have repeatedly been asked to place it on the market for the benefit of all concerned. It is a sure remedy and has never failed to keep plants clear by constant application. One gallon diluted makes 120 gallons. It is perfectly harmless to plants and gives them a rich, glossy foliage. Directions with every can. NO FLORIST SHOULD BE WITHOUT IT. Price per gal., \$2.00. Special prices on larger quantities. We guarantee Gausperlephtha to do all we claim for it.

Washington.

TRADE THE BEST ON RECORD.—CHRISTMAS ECLIPSES ALL PREVIOUS HIGH WATER MARKS.—NOTES.

The Christmas trade in general was the best in Washington for years. Everybody had his hands full and stock was plentiful and in fine condition. Holly and other green was plentiful and in good demand. The weather was a great factor in the immense business.

F. W. Bolgiano had his conservatory, which had been rebuilt and enlarged during the summer, well filled with desirable plants for the holidays. He said he did a better business than for some time, both in plants and cut flowers.

Z. D. Blackstone did extra well. He sold more roses at \$4 per dozen than the higher or lower grades. Violets were in demand, also carnations, but reds seemed scarce.

Litzinger & Wade's best selling plants were of the smaller sizes. Cut flowers sold fairly well.

J. Vincent Phillips, Jr., of Brooklyn, N. Y., is now with A. Gude & Bro., who were quite busy.

J. H. Small, Jr., said this was the busiest Christmas he has seen for some time.

P. G.

Port Chester, N. Y.

The Westchester County Gardeners' Association had a large attendance at its annual meeting which was held Saturday evening, December 22, when the following officers were elected for the ensuing year: President, Robert Williamson; vice-president, Andrew Grierson; treasurer, John Fraser; secretary, Edward Parker; executive committee, John Shore, William Smith, George M. Hay, William Anderson and Thomas France. It was voted to hold the second annual dinner in the near future. Speeches were made by the retiring president, John Shore, who thanked the members for the confidence they had placed in him during the last two terms which he had held the office, by former president Peter McDonald, of the New York Gardeners' Society, who congratulated the society on its progressiveness, and by President-elect Robert Williamson, who urged each and every member to co-operate with him in the furthering the interests of the society during the coming year.

JOHN W. DUNCAN.

HYDE PARK, MASS.—R. J. Renton, who keeps an hotel, has opened a real estate office and will also sell cut flowers and plants.

LITTLE ROCK, WASH.—J. H. Harrell erected a modern range of several thousand feet last summer and the way things are going caused him to christen his place the Never idle Greenhouses.

Florists all over the country are quickly discerning the

Commercial Value of The Lawson Carnation.

The demand will be heavy this season. My stock is in excellent condition, clean and healthy. Rooted cuttings ready now, or for later delivery.

PRICE, Per 100\$7.00
Per 1000.....\$60.00

TERMS STRICTLY CASH from unknown parties. Send ALL ORDERS DIRECT TO

PETER FISHER, Ellis, Mass.

No Agents.

The Largest Fancy Carnation. Ready March 1st.

-PROSPERITY-

ALL ORDERS FILLED IN STRICT ROTATION.

Prices for Rooted Cuttings.

1 Plant.....\$.50	250 Plants.....\$ 37.50
12 Plants.....5 00	500 Plants.....70.00
25 Plants.....8.25	750 Plants.....101.25
50 Plants.....10.00	1000 Plants.....130.00
100 Plants.....16.00	

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., = Flatbush, N. Y.

WEILAND-AND-RISCH

59 WABASH AVE., CHICAGO.

ROOTED CARNATION CUTTINGS.

Mrs. T. W. Lawson.....100 \$7.00 1000 \$60.00	Mrs. Frances Joost.....100 \$2.00 1000 \$15.00
Marquis.....6.00 50.00	Evaaston.....2.00 17.50
Genevieve Lord.....6.00 50.00	White Cloud.....2.00 15.00
Dorothy.....8.00 75.00	Flora Hill.....1.50 12.50
Irenee.....10.00 75.00	Gov. Griggs.....2.00 17.50
Prosperity (666).....16.00 130.00	Triumph.....1.50 12.50
Roosevelt.....12.00 100.00	Melba.....2.00 17.50
Ethel Crocker.....4.00 35.00	Mary Wood.....2.00 17.50
G. H. Crane.....3.00 25.00	Gold Nugget.....3.00 25.00
Mrs. Geo. M. Bradt.....3.00 25.00	America.....3.00 25.00

ROOTED ROSE CUTTINGS.

Meteor.....100 \$1.50 1000 \$12.50	Golden Gate.....100 \$2.50 1000 \$20.00
Bride.....1.50 12.50	Kaiserin.....1.50 12.50
Bridesmaid.....1.50 12.50	Perle.....1.50 12.50
	La France.....1.50 12.50

Florists ordering of us can rest assured of obtaining first-class stock, as we vouch for every cutting sent out.

WHOLESALE FLORISTS

100,000 ROOTED CARNATION CUTTINGS

Ready to Ship.

Mrs. Thos. W. Lawson.....Per 100 \$ 7.00 Per 1000 \$60.00	Mrs. F. Joost.....Per 100 2.00 Per 1000 15.00
Olympia.....5.00 40.00	Flora Hill.....1.50 12.00
Genevieve Lord.....4.00 35.00	Argyle.....1.50 12.00
Ethel Crocker.....4.00 35.00	Daybreak.....1.50 12.00
Morning Glory.....4.00 35.00	Wm. Scott.....1.25 10.00
Mrs. G. M. Bradt.....3.00 25.00	Armazudy.....1.25 10.00
G. H. Crane.....3.00 25.00	A. Mitting, light pink, 4-inch bloom.....10.00
Peru.....3.00 25.00	Mrs. A. Mitting, clear light pink, 3 1/4-inch bloom.....10.00
America.....3.00 25.00	Master De Roo Mitting, a fine white, 3-inch bloom.....10.00
Gold Nugget.....3.00 25.00	
Gen. Maceo.....2.50 20.00	
Gen. Gomez.....2.00 15.00	
White Cloud.....1.50 12.50	

25 Cuttings at 100 rates; 250 at 1000 rates. Cash or C. O. D.

THE MORRIS FLORAL CO., - Morris, Ill.

DOROTHY GENEVIEVE LORD

Seedling pink Carnation, Scott color. Commercially the best of all Carnations yet introduced. Certificates awarded at Chicago, Philadelphia and Cincinnati. Rooted Cuttings, \$10 per 100; \$75 per 1000.

Also Rooted Cuttings of GENEVIEVE LORD \$6.00 per 100; \$50.00 per 1000. Orders booked now for rooted cuttings of above varieties.

E. T. GRAVE, Richmond, Ind.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

THE BIG FOUR.

OUR INTRODUCTIONS OF NEW CARNATIONS
* * FOR 1901. * *

Sunbeam: Extra bright flesh pink, early free and continuous bloomer. Per doz. Per 100 Per 1000
Flowers of good form and size, borne on long stiff stems..... \$1 50 \$10 \$75

Bon Homme Richard: White, extra-ordinary free bloomer; fine form, good size. Per doz. Per 100 Per 1000
Stems 2½ to 3 feet long..... \$1 50 \$10 \$75

Nydia: Variegated, salmon stripe on white ground. Quick seller, extremely free bloomer, fine form and stiff stem..... \$1.50 \$10 \$75

Prolifica: Cerise pink. Very long, stiff stems, large flowers, and as its name indicates, an extra free bloomer..... \$1.50 \$10 \$75
First lot ready Feb. 1, of the above four vars.

OTHER VARIETIES.

	Per 100	Per 1000
Mrs. Thos. W. Lawson...cerise pink.....	\$7 00	\$60.00
Olympia.....variegated.....	5.00	40.00
Marquis.....pink.....	5.00	40.00
Genevieve Lord.....".....	5.00	40.00
Ethel Crocker.....".....	4.00	35.00
Morning Glory.....light pink.....	4.00	35.00
Mrs. Geo. M. Bradt.....variegated.....	3.00	25.00
G. H. Crane.....scarlet.....	3.00	25.00
Chicago.....".....	3.00	25.00
America.....".....	3.00	25.00
Gold Nugget.....yellow.....	3.00	25.00
Gen. Maceo.....crimson.....	2.00	15.00
Gen. Gomez.....".....	2.00	15.00
White Cloud.....white.....	2.00	15.00
Mrs. Frances Joost.....pink.....	2.00	15.00
Mrs. Jas. Dean.....".....	2.00	15.00
Jubilee.....scarlet.....	2.00	15.00
John Young.....white.....	1.50	12.00
Flora Hill.....".....	1.50	12.00
Argyle.....cerise pink.....	1.50	12.00
Daybreak.....light pink.....	1.50	12.00
William Scott.....pink.....	1.00	8.00
Evelina.....white.....	1.00	8.00
Armazindy.....variegated.....	1.00	8.00

ROOTED CUTTINGS OF STANDARD VARIETIES
READY JANUARY 1ST. WRITE FOR
DESCRIPTIVE CATALOGUE.

CHICAGO CARNATION COMPANY

Joliet, Illinois.

Rooted Cuttings

Carnations

	Per 100	Per 1000
Mrs. Lawson.....	\$6.00	
The Marquis.....	5.00	\$40.00
Ethel Crocker.....	4.00	30.00
Mrs. Bradt.....	2.50	20.00
Joost.....	1.50	12.50
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.50
Triumph.....	1.50	12.50
Jubilee.....	1.50	12.50
Daybreak.....	1.50	12.50
Armazindy.....	1.50	12.50
Mrs. Jas. Dean.....	1.50	12.50
Wm. Scott.....	1.00	7.50
Thos. Cartledge.....	1.00	7.50
Red Jacket.....	1.00	7.50
Victor.....	1.00	7.50
McGowan.....	1.00	7.50

From stock absolutely free from stem rot or other disease.

STOCK CHRYSANTHEMUMS.

Chadwick, Xeno, Nagoya, Lucie Faure, 10c each, \$1.00 per dozen.
Queen, Yellow Queen, Bloodgood, Modesto, 75c per dozen.

F. E. SHAW, 326-28 Sunset Av.
UTICA, N. Y.

CARNATIONS

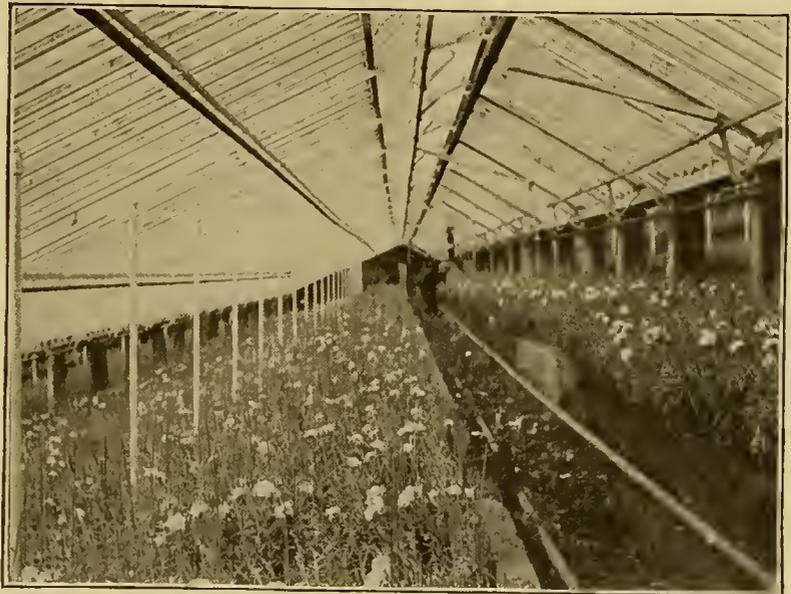
Rooted Cuttings, all fine.

	Per 100	Per 1000
Lawson.....	\$4.00	\$50.00
Olympia.....	6.00	50.00
Crocker.....	5.00	45.00
Lord.....	5.00	45.00
Peru.....	5.00	45.00
Marquis.....	5.00	45.00
Crane.....	3.00	25.00
America.....	3.00	25.00
Bradt.....	3.00	25.00
Pingree.....	3.00	25.00
Morning Glory.....	3.00	25.00
Glacier.....	3.00	25.00
White Cloud.....	2.00	17.50
Jubilee.....	2.00	17.50
Maceo.....	2.00	17.50
Wood.....	2.00	17.50
Daybreak.....	1.50	12.50
Triumph.....	1.50	12.50
Joost.....	1.50	12.50
Scott.....	1.00	8.00

We refer you to trade papers' report of St. Louis Chrysanthemum Show as to quality of our stock.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

A good adv. in a good paper will bring good returns.



FROM PHOTOGRAPH OF QUEEN LOUISE TAKEN OCT. 28th., 1900.

QUEEN LOUISE CARNATION

This new Carnation produces the finest flowers, is perfectly healthy and is the best white variety ever introduced.

IT BLOOMS EARLY — IT BLOOMS LATE — IT BLOOMS ALL THE TIME.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November. No other Carnation can stand such a test.

Price \$10 per 100, \$75 per 1000.

Rooted Cuttings ready February 15th. Come and see it or send for circular.

J. L. DILLON, - Bloomsburg, Pa.

Beautiful Ferns

DAVALLOIDES FURCANS, BOSTONIENSIS and WASHINGTONIENSIS, from 8-in. pots, with two to four feet long fronds, at \$1.00 each; \$10 per dozen. For other choice and rare plants, see my adv., page 508 of this paper, or write for a copy.

N. STUDER, ANACOSTIA, D. C.

We are booking orders for Rooted Cuttings of

CARNATIONS,

All the best varieties. Write us.

GEO. HANCOCK & SON, Grand Haven, Mich.

ROOTED CUTTINGS CARNATIONS.

Ethel Crocker.....100, \$4.00; 1000, \$30.00
White Cloud..... " 2.00; " 15.00
Alaska (white)..... " 1.00; " 7.50

ROSES.

Golden Gate.....100, \$2.50; 1000, \$20.00
Bride..... " 1.50; " 12.50
Bridesmaid..... " 1.50; " 12.50

GEO. HARRER, Morton Grove, Ill.

Albany, N. Y.

STORY OF THE CHRISTMAS TRADE.—CALL IS FOR RED AND BEAUTIES GO UP TO THE TOP NOTCH PRICE.—EYRES GETS A GOOD ORDER.

It is rather early to give a complete report of Christmas trade in Albany but business was most excellent. There was a good demand for stock of all kinds. Violets were scarce and sold on the afternoon before Christmas for \$4 per hundred. American Beauties were \$8 per dozen a few days before Christmas but the demand increased to such an extent that the price went up and \$25 per dozen was asked on Christmas eve. Christmas trees which in ordinary years sold for 25 cents to 50 cents each rose first to 75 cents apiece and on the day before Christmas the price had risen to \$3 each. There were plenty of Christmas greens and laurel but good holly was scarce. One dealer sold 400 Christmas trees, the largest number he says he ever handled. Perhaps the situation can be best explained by quoting H. G. Eyres, who said "the demand was the largest ever known and Christmas trade was the best ever seen."

Eyres has been awarded the contract for the decorations in the assembly chamber of the capitol on the occasion of the inauguration of Governor-elect B. B. Odell, Jr., on January 1. Palms, southern smilax, laurel and poinsettias will be used in abundance. The executive mansion will be decorated with plants and flowers from the greenhouses in connection therewith. R. D.

Troy, N. Y.

Louis Menand now has charge of the greenhouses formerly conducted by his father, Felix Menand, at Cemetery Station, on the Delaware & Hudson River Railroad, between Albany and Troy. Mr. Menand tore down one house during the past summer and has erected in its place a modern greenhouse with iron frame construction and other up-to-date features. The house is now well filled with palms and other decorative plants.

W. H. Boardman, formerly with Samuel Goldring, of Albany, and J. A. Sanders, an old employe of H. G. Eyres, of Albany, have entered into partnership under the firm name of Boardman & Sanders. The firm has opened a store at 7 Third street.

The establishment conducted by the late Herman Leiderly, in North Troy, is now run by his widow. R. D.

Orchids!



We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.
Asparagus Sprengeri—Strong 3 1/2-in., \$8.00 per 100.
New Rose Snowflake—The Daisy Rose, \$10 per 100.
New Lace Fern—Fronds last a month, \$6.00 per 100.
New Russelia Multiflora—2 1/2-inch, \$4.00 per 100.
50 New Plants not to be Had Elsewhere.
Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$30.
Cannas, Dahlias, and all summer blooming bulbs.
Electros and Cuts for Florists and Seedmen.
A. BLANC, PHILADELPHIA, PA.

Chrysanthemums.

Stock plants from bench and 6-in. pots at \$3.50 per 100. 40 vars. Cash with order. Order at once. THOMAS ARNER, 225 Grand View Av., Scranton, Pa. Please mention the American Florist when writing.

ROSES

CRIMSON RAMBLER, extra strong.....\$12.00 per 100.
HYBRID PERPETUAL, in fine assortment.....\$10.00 per 100, \$90.00 per 1000.
HYBRID PERPETUAL, in fine assortment, 2d size..... 6.00 " 50 00 "
These are well rooted, good stock, but not quite heavy enough to go into first grade.

AZALEAS

Stock in excellent shape, well set with buds.
10 to 12-inch crowns.....\$35.00 per 100 12 to 14-inch crowns.....\$45.00 per 100

SPIRAEAS

JAPONICA.....\$3.50 per 100 ASTILBOIDES FLORIBUNDA.....\$1.00 per 100
NANA COMPACTA.....\$5.00 per 100

PALMS

KENTIA BELMOREANA, 2 1/2-inch pots.....\$8.00 per 100, \$75.00 per 1000
KENTIA BELMOREANA, 3-inch pots, 4 and 5 leaves.....\$15.00 per 100
KENTIA BELMOREANA, 4 inch pots, 14 to 16 inches high..... 30.00 "
KENTIA BELMOREANA, 5-inch pots, 18 inches high..... 60.00 "
KENTIA BELMOREANA, 5 and 6-inch pots, 18 to 22 inches high..... 75.00 "
KENTIA FORSTERIANA, 2 1/2-inch pots..... 10.00 "
KENTIA FORSTERIANA, 3-inch pots, 12 inches high..... 15.00 "
KENTIA FORSTERIANA, 4-inch pots, 15 to 18 inches high..... 35.00 "
KENTIA FORSTERIANA, 5-inch pots, 18 to 22 inches high..... 50.00 "
KENTIA FORSTERIANA, 5 and 6 inch pots, 24 to 28 inches high..... 75.00 "
ARECA LUTESCENS, 2 1/2-inch pots.....\$6.00 per 100, \$50.00 per 1000

ASPARAGUS

PLUMOSUS NANUS, 2 1/2-in. pots...\$ 5.00 per 100 SPRENGERII, 2 1/2-in. pots.....\$3.00 per 100
PLUMOSUS NANUS, 3-in. pots..... 6.00 " SPRENGERII, 3-in. pots..... 5.00 "
PLUMOSUS NANUS, 4-in. pots..... 12.00 " SPRENGERII, 4-in. pots..... 8.00 "

BOSTON FERNS

Strong 2-inch pots.....\$3.00 per 100, \$25.00 per 1000

THE STORRS & HARRISON CO., Painesville, O.

Ball's Palms, &c.

CHOICE HARDY STOCK, EXTRA STRONG.

Areca Lutescens, several plants, 4-inch, @ 25c; 6-in. @ 50c and 75c; 8-in. @ \$1.50; 10-in. @ \$4.00 and \$5.00. Large specimens, 14-in. and 16-in. @ \$17.50 to \$35.00.
Latania Borbonica, 4-in. @ 25c; 6-in. @ 50c and 75c. Made up, 3 plants together, large and showy, 6-in. @ 75c; 8-in. @ \$1.
Kentia Forsteriana, 3-in. @ 20c and 25c; 4-in. @ 40c and 50c.

Kentia Belmoreana, 3 in. @ 20c and 25c; 4-in. @ 40c and 50c; 5-in. @ 75c; 6-in. @ \$1.00 and \$1.25; 8-in. @ \$2.00.
Livistona Rotundifolia, strong, 4-in. @ 40c; 5-in @ 75c.
Pandanus Veitchii, 6-in. @ \$1.00; 8 in. @ \$2.00.
Ficus Elastica, Araucaria Excelsa, Draecena Terminalis, etc., etc.

CHAS. D. BALL,

HOLMESBURG, PHILA., PA.

Price Lists

Boston Ferns.

TRUE TO NAME.

Small plants from bench.....\$ 1.00 per 100
7,000 2-inch..... 2.00 "
4,000 3-inch..... 4.00 "

Let us grow your large Ferns for next summer and fall delivery. Our prices are surprisingly low. Write us.

DAVIS BROS., : Morrison, Ill.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL.
(N. Halsted St.)

300 RUBBER PLANTS,
4000 BOSTON FERNS, ALL SIZES
AND Davallioides Furcans.
Ageratum Stella Gurney.

Write for Prices.
CAPITOL GREENHOUSES, Springfield, Illinois.
LOUIS UNVERZAOT, Proprietor.

A. SPRENGERII

Ex. strong plants from 2 1/2-in. pots, ready for 3-in., \$2.50 per 100; \$20 per 1000.

The finest stock offered for this price.

JACKSON & PERKINS CO., New York, New York.

DAISIES,

hardy, large plants, Snowball, Longfellow, 40 per 100; \$2.50 per 1000.

FORGET-ME-NOT, fine clumps, 75c per 100; \$5.00 per 1000.

MIGNONETTE (Allen's Defiance), large plants out of 2 1/2-inch \$2.50 per 100.

J. C. Schmidt, Bristol, Pa.

Hardy Herbaceous

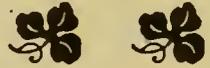
AND Alpine Plants. Field-Grown

A Complete Assortment of Old and New Vars.
The Blue Hill Nursery, So. Braintree, Mass.
CORRESPONDENCE SOLICITED.

SUCCESSFUL SELLERS

are the successful growers who advertise in

Fancy Carnations



We offer choice Rooted Cuttings, first-class in every way. The quality of our plants has gained a reputation among the highest in this country.

PINK.		WHITE.		RED.	
	Per 100	Per 1000		Per 100	Per 1000
Mrs. Thos. W. Lawson	\$7.00	\$60.10	White Cloud	\$2.00	\$15.00
Ethel Crocker	4.00	35.00	Mary Wood	2.00	15.00
Mrs. F. Joost	2.00	15.00	Peru	2.00	15.00
Triumph	1.50	12.00	Flora Hill	1.50	12.00
YELLOW.		MAROON.		VARIEGATED.	
Gold Nugget	3.00	25.00	Gen. Maceo	2.00	15.00
				Olympia	5.00 40.00
				Mrs. G. M. Bradt	3.00 25.00

Rooted Rose Cuttings. Brides, Bridesmaids and Meteors, \$1.50 per 100.

ALL CUTTINGS SHIPPED FROM GREENHOUSES.

Don't fail to send us your name to place on our mailing list for our Florists' Price List, weekly, free to all customers. :: :: :: :: :: :: ::

...BASSETT & WASHBURN

STORE: 76 Wabash Ave., Chicago.

GREENHOUSES: Hinsdale, Ill.

ROOTED CUTTINGS CARNATIONS.

	Per 100	Per 1000
CRANE	\$3.00	\$25.00
BRADT	2.50	20.00
EVANSTON	2.00	17.50
JOOST	1.50	12.50
WHITE CLOUD	1.50	12.50
FLORA HILL	1.50	12.50
DAYBREAK	1.50	12.50
TRIUMPH	1.50	12.50
ARMAZINDY	1.50	12.50
TIDAL WAVE	1.50	12.50
WM. SCOTT	1.00	8.00
MRS. LAWSON	5.00	
ETHEL CROCKER	5.00	
MARQUIS	4.00	
GENEVIEVE LORD	4.00	
IRENE	Per doz., \$1.50;	10.00 75.00

ROSES.

KAISERIN	\$1.50	\$12.50
LA FRANCE	1.50	12.50
METEOR	1.50	12.50
PERLE	1.50	12.50
BRIDE	1.50	12.50
BRIDESMAID	1.50	12.50
GOLDEN GATE	2.50	20.00

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

New Carnations, Rooted Cuttings. Ready March 1st.

PROSPERITY (666). Each, 50c; 12 for \$5.00; 25 for \$8.25; 50 for \$10.00; 100 for \$16.00; 250 for \$37.50; 500 for \$70.00; 750 for \$101.25; 1000 for \$130.00.

Queen Louise	doz., \$1.50;	100, \$10.00;	1000, \$75.00
Dorothy	" 1.50 "	" 10.00 "	" 75.00
Irene	" 1.50 "	" 10.00 "	" 75.00
Roosevelt	" 2.50 "	" 12.00 "	" 100.00

New Chrysanthemums. Ready April 1st. Each, 50c; doz., \$5.00, 100, \$30.00. Mrs. Elmer D. Smith, the best new yellow; Omega, Chesnut Hill, Timothy Eaton, Yanariva.

Carnations. Strong plants transplanted into soil and flats. Every one sure to grow. Sorts marked * ready now in soil.

*Marquis	100	1000	100	1000
Mrs. Thos. W. Lawson	\$5.00	\$40.00	*Flora Hill	\$1.75 \$15.00
*Estelle	7.00	60.00	*Wm. Scott	1.50 12.00
*Ethel Crocker	7.00	60.00	Mrs. Geo. M. Bradt	4.00 30.00
*Genevieve Lord	5.00	40.00	Gold Nugget	4.00 30.00
*Morning Glory	5.00	40.00	Chicago	4.00 30.00
*G. H. Crane	4.00	35.00	Gen. Maceo	3.00 25.00
*America	3.00	25.00	Gen. Gomez	3.00 25.00
*White Cloud	3.00	25.00	Daybreak	2.00 15.00

THE GRAND NEW PINK GERANIUM Jean Viaud. Doz., \$1.25; per 100, \$10.00. 2-inch pots.

Cannas. All the Novelty and Standard kinds in large quantities, dormant roots. Write for prices.

14 BARCLAY STREET NEW YORK. VAUGHANS' SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO. GREENHOUSES, WESTERN SPRINGS, ILL.

CARNATIONS ROOTED CUTTINGS

We are booking orders now for cuttings at the following prices:

G. H. CRANE	\$25.00 per 1000	WHITE CLOUD	\$12.50 per 1000
MRS. BRADT	25.00 "	FLORA HILL	10.00 "
MADAM CHAPMAN	25.00 "	McGOWAN	10.00 "
DAYBREAK	12.50 "	ELDORADO	10.00 "

We have the largest and finest stock of these varieties to be seen anywhere and will have large quantities of Cuttings during the season. If you are in need of a large lot write me and get special price. Can save you money. We also have the blooms of the above varieties at market quotations. Violet blooms at all times.

Address CHAS. CHADWICK, Grand Rapids, Mich. Lock Box 11

CHRYSANthemUMS.

Stock Plants of the following late varieties.....

BONNAFFON	H. W. RIEMAN
WESTERN KING	YANOMA
GRETCHEN BUETTNER	MERRY CHRISTMAS
MRS. MURDOCK.	\$1.00 a Dozen.

INGRAM & LYNES, Reading, Mass.

Please mention the American Florist when writing.

Asparagus Sprengelii, 2 1/2-inch	\$2.50 per 100
" 3 " "	4.00 per 100
Asparagus Plumosus, 2 1/2-inch	5.00 per 100
" 3 " "	6.00 per 100
Small Ferns for dishes, 4 vars, 2 1/2-in.	3.00 per 100
Carex Variegata, 2 1/2-inch	4.00 per 100
Boston Ferns, 8-inch pans	\$15 and \$18 per doz.
" 2 1/2-inch	5.00 per 100
" 3-inch	8.00 per 100
Nephrolepis Cordata Compacta, 6-inch	25.00 per 100
Geraniums-S. A. Nutt, Heteranthe, La P lot, rooted cuttings,	\$18.00 per 1000. CASH, PLEASE.

CARL HACENBERGER, West Mentor, O.

NOVELTIES IN

CHRYSANthemUMS, CARNATIONS, CANNAS AND GERANIUMS OUR SPECIALTY.

Preliminary List Now Ready. Free to all Applicants.

NATHAN SMITH & SON, Adrian, Mich.

Stop Walking the Floor. You won't be disappointed if you place your orders for

SOUTHERN WILD SMILAX

With CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace." N. B. We also sell some Holly.

MRS. FISHER CARNATIONS

For summer flowering, well-rooted cuttings, \$3.00 per 1000.

ANDREW CHRISTENSEN, Stoneham, Mass.

Detroit.

HOLIDAY TRADE THE BEST EVER SEEN IN THE CITY OF CADILLAC.—NO SHORTAGE OF MATERIAL ALTHOUGH DEMANDS INCREASE ONE-FOURTH.—PLANTS POPULAR WITH MANY BUYERS.

The Christmas trade just over was the largest and most satisfactory ever experienced here. The weather was fine. Plants could be delivered without wrapping. The growers were happy because a few days of sunshine gave increased quantities of bloom and improved qualities materially. As usual at such seasons the growers held back their violets, carnations and roses for ten days previous to Christmas, making it difficult for the retailers to properly care for their trade, and when the growers did send in their entire cut on Monday and Tuesday it was found that the threatened shortage of violets and carnations as well as roses was more fancied than real, for, notwithstanding the reported increase in sales, approximating twenty-five per cent above last year, there was sufficient to meet the demand in most cases. The popularity of carnations was noticeable and they sold readily for \$1 per dozen and some of the fancy varieties were sold for \$1.50 per dozen. Violets retailed for \$4 per hundred, though the advanced price on them was not as agreeable to the public as the advanced prices on other flowers seemed to be. In plants Gloire de Lorraine sold well, also cyclamens, azaleas and Boston ferns, and a limited number of basket effects made up with a combination of foliage and flowering plants. The growing tendency of the majority of flower buyers to indulge in plants at Christmas time was clearly manifested, and the retailers, approving the custom, made every effort to provide the necessary stock.

J. F. S.

Louisville, Ky.

The Anchorage Rose Co., wholesale rose growers, had a grand stock of Brides and Bridesmaids and report Christmas sales twenty-five per cent ahead of last year.

Edward Morat has sold his stock and leased his greenhouses to F. Walker & Co., who will use this range to grow plants for their retail trade.

Mrs. C. W. Reimers has had her store window handsomely decorated with poinsettias but none were in sight the day after Christmas.

Jacob Schultz had so much of his own grown stock that he had to buy very little to supply his retail Christmas trade.

Nanz & Neuner had a large supply of home grown Norway spruce and found ready sale for them as Christmas trees.

Geo. Schultz is considered the crack grower of violets here, but he had very few for Christmas this year.

Miss Alice Miller, who has been away for her health, was at her store during the holiday rush.

Walker & Co., sold four times as much holly this year as last and ran short, even at that.

H. G. W.

MARION, IND.—In our issue of last week the name of the gardener at the Soldiers' Home was given as Mr. Robinson. It should have been Mr. Anderson.

DUBUQUE, IA.—The "big four" in carnations, introduced last spring, Lawson, Lord, Crocker and Marquis, are all showing up well. Genevieve Lord is most prolific. The Marquis does not keep quite so well, is a good seller and a very desirable variety. Crane has suffered most from stem-rot this season.

W. A. H.

DON'T GET LEFT

ON GERANIUMS. They are going very fast at \$3 per 100, \$25 per 1000 out of 2 1/2-in. pots, ready for shifting into 3 or 4-in. Composed of the following varieties: S. A. Nutt, Frances Perkins, LaFavorite, E. G. Hill, Beaute Poitevine, Wm. Pfitzer, Ruy Blas, Double Grant and in fact all the leading vars.

Ageratum, 2 1/2-in. pots, Princess Pauline, Cope's Pet, White Cap, \$1 per 100. R. C. 50c per 100.

Fuchsias in variety, R. C., \$1 per 100. Coleus, 2 1/2-in. pot, \$1.50 per 100. R. C. 50c per 100.

Cash Must Accompany Order.

J. E. FELTHOUSEN, Schenectady, N. Y.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2 1/4-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early From

Money Order Office, Sta. H., Philadelphia.

EDWIN LONSDALE, Wyndmoor, (Near Phila.), Pa.

N. B. We have not changed our location, but the P. O. authorities have changed our P. O. facilities.

Rooted Rose Cuttings

Meteors, Brides, Maids, Kaiserin, Perles, Beauties, Golden Gate, LaFrance, Belle Siebrecht, Pres. Carnot, Wabatoms, 2-inch stock.

Don't Forget BOSTON FERNS, all sizes. Write

GEO. A. KUHL, - Pekin, Ill.

PRIMROSES.

Per 100
1000 Chinese mixed, 2-in. pots..... \$1.00
Asparagus Sprengerii..... 2.00
Alternanthera, red and yellow, February 1st.. 2.00
Geraniums, my selection..... 3.00
Wanted, 10,000 Seeds Asparagus Plumosus Nanus.

Cash. JOS. H. CUNNINGHAM, Delaware, D.

Field-Grown VINCA VAR. VINES

Per 100
First size, from 4 to 6 long vines to plant.... \$4.00
Large size, " 7 to 10 " " 6.00

TERMS CASH OR O. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

FOR SALE, 20,000 two and three year old APPLE TREES, fine stock, \$50 per 1000. List vars. on application.

Adiantum Pubescens, 4-inch pot, \$5.00 per 100. Asparagus Sprengerii, 2 1/2-inch pot, \$4.00 per 100. Fine plants, ready to ship.

Otto Schwill & Co., proprietors of Idelwild Greenhouse and Memphis Nursery, 304 Front St., MEMPHIS, TENN.

Please mention the American Florist when writing

SPECIALTIES IN BEST ...VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list. WOOD BROTHERS, FISHKILL, N. Y.

EXTRA CHOICE FLOWER SEEDS. List free on application. FRED. ROEMER, Seed Grower, Quedlinburg, Germany.

ESTABLISHED 1802

THORBURN'S SEEDS

SURPLUS AT REDUCED PRICES:

LILIUM LONGIFLORUM, JAPAN. 1000
6 to 8-inches..... \$24.00
7 to 9 " 34.00

LILY OF THE VALLEY PIPS. Largest and finest in the world, either Berlin or Hamburg..... 10.00
In case lots (3000 in a case)..... 9.00

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

LILY OF THE VALLEY.

Just arrived. From Best European Grower. BERLIN CROWNS, extra selected quality, \$10 per 1000; case of 2000, \$19. HAMBURG CROWNS, first selected quality, \$9 per 1000; case of 2500, \$21.

JACKSON & PERKINS CO., Newark, New York.

LILY OF THE VALLEY

Best forcing pips, white stock lasts
Our R. S. or Selected German strain, \$10 per 1000. Our H. C. or High Class German strain, \$12 per 1000. Cash Discount, 5 per cent.

August Rolker & Sons, 52 Dey St., New York

FREQUENT IMPORTATIONS OF BEST GRADE OF

English Mushroom Spawn

J. J. STYER, Concordville, Pa.

Send to THE MOON

Company
For Your Trees, Shrubs, Vines, and Small Fruits. Descriptive Illustrated Catalogue Free. THE WM. H. MOON CO., Morrisville, Pa.

Maples NORWAY. SUGAR.

From 1 to 3-inch caliper, also one-year seedlings. Write for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flower saved, dwarf and semi-dwarf, giant flowered, sweet shades and colors. We can supply any quantity fine, stocky plants—2 1/4 in., \$2.50 per 100. Cash with order. Shellroad Greenhouse Co., Grange P. O., Balto., Md

LILIUM AURATUM.

Sizes 8-9 and 9-11 on hand. Prices on application.....

SUZUKI & IIDA, 11 Barclay St., New York.



FOR PRESENT DELIVERY!
JAPANESE FERN BALLS.

True long-leaved variety. You will find a ready sale for them.

Per doz. \$4; per 100 \$30.

Write for Prices on Quantities!

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

Carnation Cuttings...

Ready for immediate shipment. All fine and well rooted.

	Per 100	Per 1000
Mrs. Thos. W. Lawson	\$ 7.00	\$60.00
Sunbeam	10 00	75.00
Prolifica	10 00	75.00
Marquis	5.00	40.00
Genevieve Lord	4.00	35.00
Ethel Crocker	4.00	35.00
Mrs. Geo. Bradt	3.00	25.00
G. H. Crane	3.00	25.00
Gold Nugget	3.00	25.00
Gen. Maceo	2.00	15.00
Chicago	3.00	20.00
White Cloud	2.00	15.00
Mrs. F. Joost	1.50	12.00
Mrs. J. Dean	2.00	15.00
Jubilee	1.50	12.00
Flora Hill	1.50	12.00
Daybreak	1.50	12.00
Evelina	1.00	8.00
Triumph	1.50	12.00

Chrysanthemum Stock Plants, Philadelphia, Mrs. Robinson, Bonnaillon, October Sunshine, Mme. Bergmann, 60c per doz., \$4.00 per 100.

Poinsettia Plants, 50c and \$1.00 per dozen.

JOS. LABO, Joliet, Ill.

Forcing Plants

AZALEA INDICA. See former issues.	Per 100
Spiraea Japonica	\$ 3.50
" Compacta	4.00
" Astilboides Floribunda	4.00
" Plumosa Alba (new)	15 00
" Palmata, scarlet	5.00
" Elegans	5.00
" Alba	5.00
Delytra Spectabilis (Bleeding Heart)	5.00
Paeonia Officinalis rubra pl	8.00
" alba plena	20.00
" Tenuifolia fl. pl	18 00
MONTHLY ROSES, Hermosa, pink	10 00
" Agrippina, dark red	10.00
" Clothilde Soupert	12.00
H. P. Roses, low budded, leading kinds	10.00
Crimson Rambler, extra strong	15.00
Hydrangea Otaksa, 4-6 shoots	12.00

BOBBINK & ATKINS, Rutherford, N. J.

REPORT OF THE JUDGES

Appointed by THE PHILA. FLORISTS' CLUB to judge our grand new ROSE

Queen of Edgely, PINK..... AMERICAN BEAUTY.

"We are convinced that this variety is a valuable addition to the list of forcing roses, being in every respect, except color, the exact counterpart of the American Beauty. The color is a beautiful, bright pink, which is good, even in the full flowers. The fragrance is also as fine as that of Beauty, and the exhibited blooms showed remarkable vigor.

(Signed),
ROBERT KIFT, WM. MUNRO, JOS. HEACOCK."

The last two named were winners of first prizes for American Beauties at the Rose Show, Eden Muses, March 27, 1900.

FOR TERMS AND BOOKLET: ADDRESS

R. CRAIG & SON, East. Agts., 49th and Market Sts., Phila.

THE FLORAL EXCHANGE, Inc.

E. G. HILL & CO., West. Agts., Richmond, Ind.

335 N. Sixth St., PHILADELPHIA, PA.

Crimson Rambler Roses.

These Roses have fibrous roots and are particularly well adapted for potting and forcing. They certainly do please the florists who have gotten them; one sale invariably brings a second order.

We offer them in two sizes, 3 to 3½ feet, at \$12. Extra large, 3½ to 5 feet, at \$15.

The CONARD & JONES CO., West Grove, Pa.

"Hoosier Maid" NEW WHITE CARNATION.

Large, pure white flowers, on long, extra strong stem, "nonbursting."

From December 1 to May 1 it is far ahead of any "white" now on the market in quality and number of flowers. Price, Rooted Cuttings, \$1.50 per doz., \$10 per 100, \$80 per 1000.

A. RASMUSSEN, New Albany, Ind.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches;

OTAKSA,

PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co. Newark, New York

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Takes the place of Araucaria Excelsa; sold everywhere and everybody is pleased with it; it is a money maker. Strong stock, from 2-in. pots, \$5.00 per 100; or send \$1.00 for a sample and you will soon want more.
E. I. RAWLINGS, Quakertown, Pa.

WANTED—50 clumps of 6-8 crowns each of a good double pure white Paeonia of a variety suitable for cut-flowers.

JOS. W. VESTAL & SON, Little Rock, Ark.

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$4.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,

199 Grant Avenue, JERSEY CITY, N. J.

SEED Pansies PLANTS

The Jennings strain. Fine stock, choice varieties. Medium size plants, 60c per 100 by mail, \$4 per 1000 by express. Extra fine stocky plants in bud and bloom, \$1 per 100; \$10 per 1000. The above growing in cool greenhouses. Seed, \$1 per pkt., \$5 per oz. Cash with order.

E. B. JENNINGS, Grower of the finest Pansies, Lock Box 254, Souport, Conn.

Choice Green and Bronze Galax,

New Crop. Price 60c per 1000, postage prepaid. Small Orders a Specialty. Address

H. H. HILL, VICTORIA, Macon Co. N. C.

GALAX LEAVES!

J. L. BANNER & CO., Montezuma, N. C.

Minneapolis.

CHRISTMAS TRADE WAS EXCELLENT.— PRICES REALIZED FULLY UP TO THEIR USUAL LEVEL —SCARCITY OF METEOR.

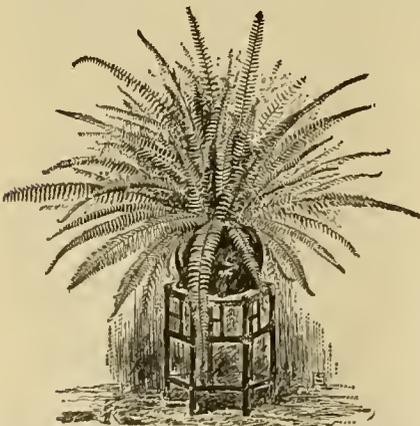
Business was a little quiet until Wednesday before Christmas but then it started with a rush. This Christmas was an exceedingly good one. Wholesale prices went into effect Wednesday as follows: Beauties, \$2 to \$10 for the best; Meteors, Bridesmaids and Brides, \$10 to \$15 per hundred; carnations, fancies, \$5 to \$6; ordinary grades, \$3 to \$4. Meteors and Brides were in demand, also Bridesmaids, but they were in larger quantities; the call for Beauties was not so large as was expected. Azaleas, primulas and ferneries sold like hot cakes, also the Begonia Gloire de Lorraine, of which A. Swanson had a very fine display. His poinsettias also were their best.

Romans and narcissi were very plentiful. Some of the finest seen were at R. Wessling's Fifth street store, where some fine violets were also displayed. Violets are available in very limited quantities in Minneapolis at present.

The only complaint of Brant & Nee is that their Meteors were not nearly plentiful enough to go around. C. F. R.

London, Ont.

Now that the rush is over a little time can be spared to glance over our books and look around the houses. Comparison with last season proves that again we can report an increase in total sales. The individual percentage has not been quite so large as in some previous seasons, but with an increase of one-third in competition we are still able to write opposite Christmas week an increase of fifteen per cent. The weather could not have been better had we had the ordering of it; there was no snow and just enough frost to keep it hard under foot. The demand for carnations and roses could not be supplied. Roses sold at from \$1.50 to \$3 per dozen, carnations at from 60 cents to \$1 per dozen; violets 25 cents to 35 cents per dozen. While flowering plants sold well there was no noticeably increased demand. Gammage & Sons' was the only firm offering Begonia Gloire de Lorraine; these sold quickly at \$1 for plants in 4½-inch pots. Azaleas, Begonia incarnata and primulas were disposed of in large quantities, with a decided revival in the demand for fern pans. W. G.



BOSTON FERN A Specialty

20,000 very fine plants at \$25 and \$30 per 100. Small plants, \$5 per 100; \$40 per 1000.

ASPARAGUS P. NANUS and SPRENGERII. for 4-in., at \$8.00 per 100. SMALL PALMS and FICUSES.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Heacock's Premium Palms

Certificate of Merit for Culture Pennsylvania Horticultural Society, March, 1900.
Certificate of Merit for Culture Pennsylvania Horticultural Society, November, 1900.

Only the Best, Grown in the Best Manner. Immense Stock, free from Insects and Disease and in the Best Possible Condition. Send in your Order at Once.

- Areca Lutescens.** 3 plants, 6-in. pot, 24 to 28 inches. \$12 per doz.; \$100 per 100.
3 " 8 " 36 " FINE. \$3 each.
- Cocos Weddeliana.** 1 plant, 3-in. pot, 12-in. high. \$25 per 100.
3 plants, 5 " 18 " \$1 each; \$100 "
- Kentia Belmoreana.** 4-in. pot, 5 to 6 leaves, 15-in. high. \$4.50 per doz., \$35 per 100.
6 " 6 leaves, 24 " \$1.25 " \$15 " "
8 " 6 " 30 to 32-in. high. \$3 each.
- Kentia Forsteriana.** 4-in. pot, 4 to 5 leaves, 15-in. high. \$4.50 per doz., \$35 per 100.
6 " 5 " 24 to 28 in. high. \$1 each, \$12 per doz.
8 " 5 to 6 " 30-in. high. \$1.25 " \$15 " "
6 " 6 " 36 to 40-in. high. \$3 " \$36 "

JOSEPH HEACOCK, - Wyncote, Pa.

LATANIA & BORBONICA.

We have a surplus of this variety in 4-inch pots, extra strong plants, well rooted and ready for a shift. Sample sent by mail for 30c in stamps; \$2.50 per doz.; \$18.50 per 100. This is a bargain, hurry up with your orders.

—CASH PLEASE.—

W. W. COLES, Kokomo, Ind.

Palms & Ferns.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA PA.

Get it Now! It's Ready!

GERANIUM AMERICA

\$8 per 100; 25 at 100 rate.

HENRY EICHHOLZ, Waynesboro, Pa.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

LETTUCE....

Big Boston, Boston Market and other varieties, 15c per 100; \$1.00 per 1000; \$8.50 per 10,000. If by mail add 10c per 100.

CABBAGE.

Wakefield and Succession, 25c per 100; \$1.25 per 1000. If by mail add 20c per 100.

CASH WITH ORDER. Other vegetable plants, also flower plants. Send for list.

R. VINCENT, Jr., & SON, White Marsh, Md.

Strawberry Plants

Brandywine, Clyde, Michel's Early, fine plants at \$2 per 1000, 25c per 100. Shipped safely by freight or express. Terms cash.

J. M. LOVELACE, Marion, Ala.

We like to have you tell our advertisers that you read our paper

CALADIUMS Fancy leaved, 40 named sorts.

Per 100 Per 1000
Dry bulbs, 1½ to 2¼-in. \$10.00 \$90.00
Dry bulbs, 1 to 1¼-in. 8.00 70.00

ORANGES, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in. \$30.00

PHENIX CANARIENSIS & TENUIS,

Very stocky,
3-4 characterized leaves, 15-18-in. 15.00
4-5 " " 20-24 " 25.00
5-6 " " 24-30 " 40.00

PHENIX RECLINATA, 3-4 characterized leaves, 15-18-in., very stocky 25.00

LATANIA, 4-5 characterized leaves, 18-20-in. 25.00

BIOTA AUREA NANA, Best dwarf Biota, 12-15-in. 12.00

Not less than 50 at above rates.
Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.



VERBENA KING.

Express prepaid on all Rooted Cuttings.

Ready Dec. 5.

Verbenas, 40 best mammoth vars. 60c per 100; \$5.00 per 1000.

Alternanthera, red and yellow, 60c per 100; \$5 per 1000.

Ageratum, 4 best vars., 60c-75c per 100; \$5.00-\$6.00 per 1000.

Heliotropes, 10 best vars. \$1 per 100; \$8 per 1000.

Daisies, 2 best vars., \$1.00 per 100; \$8.00 per 1000.
Send for our new list of other rooted cuttings and plants; it will save you money. Write for prices on larger lots.

C. HUMFELD, Clay Center, Kas.

3 - Great Glories - 3

BEGONIA GLOIRE DE LORRAINE, 2¼-inch pots, \$15.00 per 100.

BEGONIA GLOIRE DE LORRAINE Nana Compacta, 2¼-inch pots, \$15.00 per 100.

BEGONIA CALEDONIA, "The White Lorraine," ¾-inch pots, \$5.00 each.

This stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Masa.

AGERATUM

"Stella Gurney."

As necessary to your bedding stock as coleus or geraniums. Dwarf in growth, true blue and always in bloom. Strong pet plants at

75 cts. per Doz.; \$5.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

VIOLET RUNNERS. 25,000 STRONG ROOTED RUNNERS.

LADY CAMPBELL VIOLETS.

From sand, \$5 per M.; fr. soil \$7.50 per M. Samples free
WM. SWAYNE, Kennett Square, Pa.

Compliments of the Season.....

We take this opportunity to thank all of our many friends in the trade for the generous support given to us during the past year, which was a "Banner year" for us, and we trust equally so for you. Wishing you a prosperous "New Year," we are cordially yours,

M. RICE & CO., Leading Florists' Supply House, 918 Filbert St., Philadelphia, Pa.

TOBACCO DUST,

FREE FROM ANY DIRT OR FOREIGN MATTER.

\$10 per 1000 lbs.

SAMPLE SENT IF REQUESTED.

MACK TOBACCO CO.,

Canal and Plum Streets, Cincinnati, Ohio.

Please mention the American Florist when writing.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you **SILKALINES.** up on.....

84 Kingston St., BOSTON, MASS.

MEYER SILKALINE is for sale by all the leading seedsmen and jobbers throughout the country.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, noked, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vase) \$2.50. No. 2.—Heavy 4 ft. rod brassed and noked with three clasps for 5 to 6-in. pots, each \$1.75. Kift's patent rubber capped Flower Tubes, 1/2-in diameter, per 100, \$3.60.

ROBERT KIFT, Florist,

1725 Chestnut St. Philadelphia, Penn.
Please mention the American Florist when writing.

The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until the burn heap is reached. It does the work much better than a hand rake and three times as fast. Easy to operate. Given certificate of merit at N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.

FINLEY LAWN RAKE CO., - Joliet, Ill.



Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENT)

"The kind that never fall apart."

If your seedsmen don't handle them, order of us direct.

FACTORY AND OFFICE:
150-160 VEDDER ST., - CHICAGO.
TELEPHONE NORTH 553.

Please mention the American Florist when writing

BEST AND CHEAPEST ALL-ROUND INSECTICIDE on the Market.

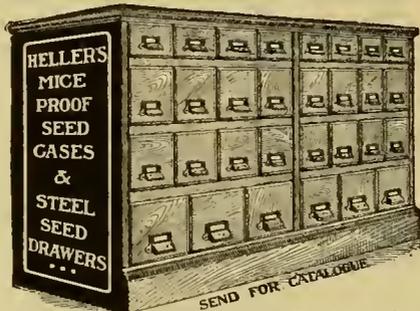


For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.



SILVER BIRCH BARK WARE.

PRICES PER DOZ.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4 in. \$1.80; 5-in. \$2.40; 6-in. \$3.00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 14-in. per doz. \$11; 11-in. \$9; 9-in. \$7. References: Geo. Wittbold Co., E. Wienhoeber, C. A. Samuelson, Chicago.
J. A. LYNN, 1442 WRIGHTWOOD AVE., CHICAGO.



HELLER & CO. MONTCLAIR, N.J. USA.

Please mention the American Florist when writing.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS,
46 Marion St., NEW YORK.



IF THERE IS ANYTHING you want in the way of

PREPARED PALMS

Whether the raw materials or the finished goods, you will get best satisfaction and service from the right people on the right spot.

Florida Natural Products Co.,
Jacksonville, Fla.

Branch Store, Indianapolis, Ind.

Inquiries Cheerfully Answered.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J.

NEXT CENTURY'S BUSINESS

can be started now by advertising in this journal. Don't delay in commencing next year's business. The best orders are placed early with advertisers in

TRY THIS PLAN.

THE AMERICAN FLORIST

LIQUID PLANT FOOD



Grows harder stock; grows improved stock. Stock ships better; also ready earlier. Brings better customers and more profits.

EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,
CHICAGO.

STUDENTS RETURNING HOME

for holiday vacations can, upon presentation of proper credentials, obtain tickets via Nickel Plate Road, to all points in Central Passenger Association territory, at a fare and a third for the round trip. Tickets will be sold on day of closing school and on day immediately preceding closing date; good returning until date school reconvenes, but not later than January 8, 1901. For information as to train service to Ft. Wayne, Cleveland, Fostoria, Erie and other points, call on or address, John Y. Calahan, General Agent, 111 Adams St., Chicago. Passenger Station, Van Buren St. and Pacific Ave., on the Elevated Loop. 43

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

Rochester, N. Y.

The plant trade during Christmas week was very brisk and satisfactory. Bright colored blooming plants, while provided in large quantities, run short. Azaleas were more plentiful this year and so were cyclamens in large and well grown plants. The various kinds of begonias, among them the bright colored B. rubra, well flowered, sold readily. Ericas and poinsettias were very scarce toward the end and bulbous plants, especially the French yellow Trumpet narcissus in pans found eager purchasers. The berried plants, solanums, ardisias and peppers, were the only articles which perhaps moved a trifle slower than in former years. Prices on all goods, including cut flowers, were above the average compared with other years, and people did not grumble at the advance. The supply of cut flowers was more than equal to the demand. Violets were the only scarce article and more of them might have been disposed of at \$4 a hundred. Carnations brought from 75 cents to \$1.75 per dozen according to quality. J. B. K.

TORONTO, ONT.—Councillor F. C. Miller, of Bracondale, is confined to his home by a serious trouble with one of his eyes.

MANCHESTER, MASS.—J. Clark has been re-elected president of the North Shore Horticultural Society. The other officers are J. B. Dow, vice-president; T. W. Head, secretary; J. McGregor, treasurer; J. Sanborn, financial secretary; J. Baker, librarian; T. W. Head, H. W. Clark, C. O. Lee, W. J. Griffin and A. Carr, executive committee.

DES MOINES, IA.—The Iowa Seed Co. built seven new houses for plants the past season. No cut flowers are grown by this firm, mail order trade in plants, seeds, etc., being its specialty. Grant Jacobs has leased the greenhouses which for many years have been conducted by A. W. Anderson and David Smeaton has opened a flower store in the former location of W. L. Morris.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER And TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of 1/2c. per hour.

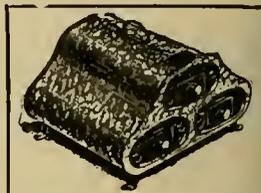
No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.

Lehman Bros., Manufacturers, 10 Bond St., NEW YORK.

JAMES W. ERRINGER, Gen. West. Sales Agent, 297 Webster Ave., CHICAGO.

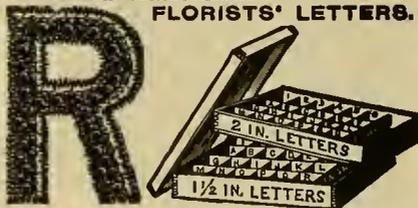


Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. MCCARTHY, Treas. and Manager, 84 Hawley St., BOSTON, MASS.

Please mention the American Florist when writing.

SIGMUND GELLER

Importer and Mr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

102 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs, AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.



THE KINNEY PUMP.

For applying Liquid Manure It has no equal!

Sent prepaid for \$2.50.

Without spraying valve \$2.00.

Address The HOSE CONNECTION CO. KINGSTON, R. I.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN - CIRCULAR FREE - SKABURA DIP CO. CHICAGO.

Kill AND SAVE THE BLOOMS! the Bugs! QUICKLY DOES IT.

REED & KELLER,

Manufacturers of Florists' Designs.

Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & CO., 54 West 34th St., New York. HORTICULTURAL SUPPLIES.

It is good business policy to mention the

...American Florist

when you write to an advertiser.

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

THOS. W. WEATHERED'S SONS,
46 Marion St., NEW YORK.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.

HOT-HOUSE GLASS A SPECIALTY.



Standard

Before you buy any kind of machinery send for catalogue to

E. HIPPARD,

YOUNGSTOWN, O.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate	120 7-10. pots in crate	Price per crate
1500 2 1/2 in. pots	\$4.88	60 8 "	\$4.20
1500 2 1/4 "	5.25	60 8 "	3.00
1000 3 "	6.00	48 9 "	3.60
800 3 1/4 "	5.00	48 10 "	4.80
600 4 "	6.80	24 11 "	3.90
320 5 "	4.50	24 12 "	4.80
144 6 "	4.51	12 14 "	4.80
	3.16	8 16 "	4.60

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents,
53 DEW STREET NEW YORK CITY

HOTBED SASH

In Pine, Louisiana Cypress and Red Cedar



GREENHOUSE MATERIAL,

Cal. Red Cedar and Louisiana Cypress.

BEST GRADES. PERFECT WORKMANSHIP.

A. DIETSCH & CO., 615-621 Sheffield Ave. CHICAGO, ILL.



Greenhouses Built and Heated

ECONOMICALLY AND PERFECTLY BY

Henry W. Gibbons, 132 to 138 LIBERTY STREET, NEW YORK.

EXPERT ADVICE AND PLANS FURNISHED.

ESTIMATES FREE.



Please mention the American Florist when writing.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 18 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Please mention the American Florist when writing



GEO. KELLER & SON,
MANUFACTURERS OF

Flower Pots.

Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY. DETROIT, MICH.
Rep. 490 Howard St.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

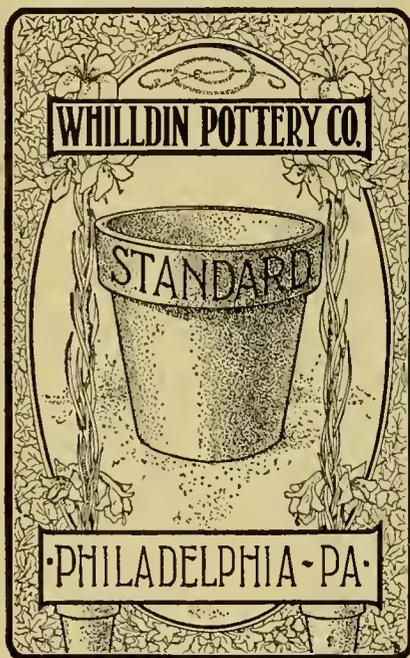
G. HENNECKE GO., MILWAUKEE, WIS.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.



BRANCH WAREHOUSES: Jersey City, N. J. Long Island City, N. Y.

FLOWER POTS

ALL KINDS

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.
SWANN'S POTTERY M'F'G CO.,
P. O. Box 78, Minneapolis, Minn.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
281h and M Streets N. E. WASHINGTON, P. C.

Boilers OF HIGH GRADE..

For GREENHOUSES.

See our Catalogue.

Steam and Hot Water. Giblin & Co., Utica, N. Y.

Circulation

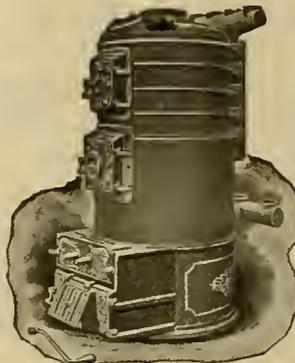
which

Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Index to Advertisers.

Advertising Rates.....	726
Allen J K.....	751
Allen S L & Co.....	11
American Rose Co.....	723 11
Amling B C.....	723
Aron Thomas.....	740
Arnold John J.....	733
Baker & Dick.....	733
Ball Chas D.....	740
Banner J L & Co.....	743
Barnard W & Co.....	1
Bassett & Washburn.....	729 741
Baur S Alfred.....	1
Bayersdorfer H & Co.....	746
Bentley & Co.....	723
Berkman P J Co.....	744
Berning J A.....	730
Birkelund Die.....	11
Blann A & Co.....	740
Blue Hill Nursery.....	740
Boblink & Atkins.....	743
Boston Letter Co.....	746
Brant & Noe.....	728
Brundage J A.....	726
Bunyard H.....	728
Burpee W Allee & Co.....	11
Caldwell the Woodsman Co.....	741 744
Carmody J D.....	111
Chadwick Chas.....	741
Chicago Carnation Co.....	739
Chicago House Wrecking Co.....	111
Christensen Andrew.....	741
Cincinnati Cut Flo Co.....	730
Clark Wm A & Son.....	742
Coles W W.....	744
Conard & Jones Co.....	743
Conley Foll Co.....	746
Cottage Gardens.....	1
Crabb & Hunter.....	1
Craig Robt & Son.....	744
Cunningham Jus H.....	742
Cunningham D.....	1
Glass Co.....	747
Dalledouze Bros.....	738
Davis Bros.....	740
Deamud J B.....	728
Detroit Flor Pot Mfg.....	747
Dietsch A & Co.....	747
Dillon J L.....	733 739
Dorner Fred & Sons Co.....	735
Dreer H A.....	111
Dunlop John H.....	728
Dunne & Co.....	746
Eastern Chemical Co.....	745
Einholtz Henry.....	744
Ellis Frank M.....	730
Ernest W L.....	747
Felthousen J E.....	742
Ferguson John B.....	728
Finley Lawn Rake Co.....	745
Fisher Peter.....	738
Floral Exchange.....	743
Florida Nat Prod Co.....	745
Ford Bros.....	735
Fort Dodge G'h Co.....	745
Foster Lucius H.....	744
Gardening Co Ths.....	11
Gardeners Chronicle.....	11
Garland Geo M.....	748
Geller Ernest.....	746
Ghormley Wm.....	731
Gibbons H W.....	747
Giblin & Co.....	747
Grave E T.....	738
Gullett & Sons W H.....	729
Gunter Wm H.....	741
Gurney Heater Co.....	745
Gutman Alex J.....	731
Hagenburger Carl.....	741
Hall Ass'n.....	745
Hannock Geo & Son.....	739
Harrer Geo.....	739
Hart M A.....	731
Hastach Jacques.....	11
Heacock Joseph.....	744
Hells J B.....	744
Heller & Co.....	745
Hennecke C Co.....	747
Herendeen Mfg Co.....	11
Herr Albert M.....	735 741
Herrmann A.....	745
Hews A H & Co.....	747
Hilfger Bros.....	747
Hill The E G Co.....	1
Hill H H.....	743
Hippard E Co.....	747
Hitchings & Co.....	11
Holton & Hunkel Co.....	728 746
Hooker H M Co.....	748
Horan Edw C.....	731
Hort Adv.....	11
Hose Connection Co.....	746
Humfeld C Co.....	744
Hunt E H.....	729
Ingram & Lynes.....	741
Invalid Appliance Co.....	745
Jackson & Perkins Co.....	740 743
Jacobs S & Sons.....	111
Jennings E B.....	743
Jennings Bros.....	746
Johnson & Stokes.....	732
Kasting W F.....	730
Keller Bros.....	747
Keller Geo & Son.....	747
Kellogg Geo M.....	728
Kennelott Bros Co.....	733
Kentucky Tob ProCo.....	745
Kift Robert.....	745
Krossnoll Bros Co.....	11
Kraus G O.....	730
Kuhl Geo A.....	742
Labo Jos.....	743
Lager & Hurrell.....	740
Lake w Rose Garden.....	737
Lang Julius.....	731
Langjahr A H.....	740
Lehman Bros.....	736
Limprecht S J.....	731
Lockland Lum Co.....	746
Long D B.....	11
Lonsdale Edwin.....	742
Lord & Burnham Co.....	11
Lucas J & Co.....	743
Lynn J A.....	745
McCarthy & Co N F.....	730
McKellar & Winterson.....	735
MacBean A S.....	735
Mack Tobacco Co.....	745
Meder Paul.....	735
Meyer John & Co.....	745
Millang Chas.....	731
Millang Frank.....	731
Moller's Gartner Zeilung.....	11
Moninger J C Co.....	748
Moore Samuel Co.....	742
Moore W H Co.....	743
Moore, Hentz & Nash.....	731
Morris Floral Co.....	738
Moss Geo M.....	730
Murphy Wm.....	735
Myers & Co.....	748
Nbraska Seed Co.....	732
Nickel Plate R R.....	745 11
Nielsen Leo.....	730
N Y Cut Flower Ex.....	731
N Y Cut Flower Co.....	731
Pennock Sam'l S.....	739
Pittsburg Cut Flo Co.....	728
Peschmann Adolph H.....	729
Pollworth G O Co.....	728
Pritchard J N.....	728
Quaker City Mch Wks.....	111
Randall A L.....	729
Rasmussen A.....	743
Rawlings E L.....	743
Rayner J L.....	731
Reed Glass & Paint Co.....	111
Reed & Keller.....	746
Reyan Printing House.....	11
Reinberg Geo.....	729 743
Reinberg Peter.....	729
Reuter Walter & Co.....	740
Rice H J Co.....	745
Rodgers Alex.....	747
Roemer Frd.....	742
Roland Thomas.....	744
Rolker A & Sons.....	742
Rustic Mfg & Cpn Co.....	731
Salford Geo.....	731
Schell Adam.....	11
Schmidt J C.....	740
Scollay John A.....	111
Schwill Otto & Co.....	742
Shaw F E.....	739
Shelton Greenh's.....	742
Sheridan W K.....	731
Siebrecht & Son.....	1
Situations & Wants.....	727
Skaboura Dip Co.....	746
Smith Nath & Son.....	741
Smith W & T Co.....	743
South Side Floral Co.....	733
Stahl Chas B.....	730
Stearns Lumber Co.....	111
Stoohoff H A & Co.....	11
Storra & Harrison Co.....	740
Studer N.....	739
Styer J.....	742
Sutherland Geo A.....	730
Suzuki & Iida.....	742
Swann Pottery Mfg Co.....	747
Swayne Wm.....	744
Thurburn J M & Co.....	742
Traendly & Schenk.....	731
Unverzagt Louis.....	40
Vaughan's Seed Store.....	732 733 735 741 743 1
Vesey W J & M S.....	739
Vestal Jos W & Son.....	743
Vink & Sons Jas.....	11
Vincent E Jr & Son.....	744
Vredenburg & Co.....	11
Waterbury & Co.....	730
Watson G C.....	11
Weathered's Rugs.....	11
Thus W.....	745 747 111 11
Weber H & Sons.....	735
Weber & Co.....	11
Welland & Blech.....	729 738
Welch Bros.....	730
Whildin Pot Co.....	747
Wletor Bros.....	729
Wilks S Mfg Co.....	11
Wills & Sezar.....	735
Wittold The Geo Co.....	737
Wood Bros.....	742
Woodroffe & Bernhelmer.....	730
Wood, Stuhbs & Co.....	732
Young Jno.....	731
Young & Nugent.....	731



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., PHILADELPHIA, PA. (ESTABLISHED 1849.)

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

CYPRESS WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO.

111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

HARMONY

is our hobby! Harmony of color, not of sound. Our sample cards are practical and will help you to preserve and beautify your home. Send for them. JOHN LUCAS & CO., Philadelphia, New York and Chicago.

GARLAND'S IRON GUTTER

No Ice. No Breakage of Glass.



This Gutter will save money in cost of construction.

GEO. M. GARLAND, DES PLAINES, ILL.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI. CHICAGO AND NEW YORK, JANUARY 5, 1901. No. 657.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.
PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.
Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—PATRICK O'MARA, New York, N. Y., president; WM. F. KASTINO, Buffalo, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March 19, 20 and 21, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

Holiday trade.....	749
Richard Witterstaetter (portrait).....	750
Chrysanthemum Timothy Eaton (illus.).....	751
A five-thousand dollar carnation (illus.).....	752
Carnation Dorothy (illus.).....	752
Crossing and hybridizing.....	752
A Bangor flower show (illus.).....	754
Kreitling bombards crape chasers and others.....	754
A Canadian method of violet growing.....	754
A mixed wreath (illus.).....	755
New York.....	755
Boston.....	755
Philadelphia.....	756
Chicago.....	756
Pittsburg.....	757
Toronto.....	757
Manchester, N. H.....	757
Madison, N. J.....	757
Injury to carnation blooms.....	758
American Carnation Society.....	758
Packing joints in heating pipe.....	7 8
Obituary.....	759
The seed trade.....	764
Chattanooga, Tenn.....	764
New Orleans.....	764
The nursery trade.....	766
—Moving large trees.....	766
Denver.....	766
Our pastimes.....	768
Lowell, Mass.....	768
Albany, N. Y.....	768
Buffalo.....	768
Montreal.....	770
Washington.....	772
Galveston, Texas.....	772
Tarrytown, N. Y.....	774
Kansas City.....	776
Minneapolis.....	776
Paterson, N. J.....	778

HOLIDAY TRADE.

Many reports of good trade during the holidays continue to reach us, a number of which follow:

WATERVILLE, ME.—H. R. Mitchell says the Christmas trade was two-thirds greater than a year ago, with prices averaging higher and inadequate supplies in all lines of stock.

GALESBURG, ILL.—Christmas trade was about twenty-five per cent better than last year. The demand was mostly for cut flowers, according to I. L. Pillsbury. Carnations were in particularly short supply.

DURUQUE, IA.—W. A. Harkett estimates Christmas trade as from ten to twelve per cent ahead of a year ago. He says red roses and carnations were decidedly short of the demand. Plants sold well, also holly.

LAWRENCE, KAN.—Christmas trade was about the same as a year ago, the usual shortage prevailing in cut flowers. The principal change noticed was in the increased call for carnations. Violets are very scarce here this season.

JACKSONVILLE, FLA.—Christmas buyers called for red in both roses and carnations and there was a particular scarcity in these lines in consequence. As a rule qualities were fully as good as a year ago and the aggregate of sales considerably larger.

WORCESTER, MASS.—H. F. A. Lange says that there were enough roses for Christmas, except of Liberty, and that the shortage was on carnations and violets. There were a plenty of Romans and Paper Whites and the qualities were good all along the line.

MINNEAPOLIS, MINN.—E. Nagel failed to notice a special call for any flower and reports that violets were very scarce and retail prices rather higher than usual all along the line. There was particularly good trade on flowering plants, azaleas being in especial favor.

ADRIAN, MICH.—There was a fifteen per cent increase in Christmas business and prices were a little higher, according to Nathan Smith & Son, who report a shortage of all cut flowers, except violets and bulbous stock, of this latter item there being very little grown because of almost no demand. In general, qualities were better than a year ago and it was noticeable that there was less call for plants, either decorative or flowering.

FALL RIVER, MASS.—Christmas trade was all that could be desired, Chatterton Warburton reporting everything cleaned out except greens, which were handled largely by the farmers. Violets and roses were the shortest stocks. Plants were in good demand and supply limited.

PORTLAND, ME.—J. A. Dirwanger reports that the holiday business was much better than 1899, that stock was scarce and prices were better. Bulbous stock sold out clean. He reports an increased call for orchids, Farleyense ferns, primroses, cyclamens and azaleas.

COUNCIL BLUFFS, IA.—J. F. Wilcox says that this Christmas was about as a year ago, with plentiful supplies of roses, but shortage on carnations and violets, carnations being in particular demand. He reports a decreased call for plants, except Boston ferns, which sold well.

AUGUSTA, GA.—L. A. Berckmans says Christmas trade was decidedly ahead of 1899, with prices stiffer. The local supply was inadequate and many cut flowers were shipped in from a distance. Carnations are gaining in favor and there was a decided increase in the sale of palms.

PINE BLUFFS, ARK.—Christmas trade was just double that of a year ago according to the estimate of Mrs. C. A. Starr, who says that prices were about as usual, with a particular demand for carnations, roses not being wanted. There was increased call for all kinds of plants.

ROCHESTER, N. Y.—There were more poinsettias and cyclamens sold than ever before at Christmas. Trade increased about fifty per cent, according to J. B. Keller's Sons, and the supply of cut flowers was equal to the demand. Single daffodils in pans were an item which sold very well.

LITTLE ROCK, ARK.—William Gallagher reports that Christmas trade was very brisk, everything selling well, including considerable supplies of chrysanthemums which retailed as high as \$4 per dozen. Vestal & Son and Tipton & Hurst, as well as Mr. Gallagher were well supplied.

LANCASTER, PA.—Albert M. Herr says Christmas trade was better than a year ago by fully one-third and that prices were higher. There was not enough stock in any line except bulbous flowers and qualities were rather inferior. There was increased sale for both flowering and decorative plants.

AUSTIN, TEXAS.—John E. Keller reports forty per cent increase in Christmas business, with prices somewhat better than in 1899, because money is easier. There was enough stock and the qualities were somewhat better than a year ago. A considerable increase was noted in the call for decorative plants.

YORK, PA.—Ten per cent will about cover the increase in Christmas business, with supply short on roses, carnations and violets and prices a little better than usual, although the qualities were not as high. The marked increase in demand was for palms, rubbers and Christmas greens, according to Jacob Reeser.

NORFOLK, VA.—Christmas trade brought a marked increase in the sale for Roman hyacinths in 6-inch and 8 inch pans, all flowering plants being in demand. Harris says trade was twenty per cent ahead of a year ago and also that the supplies of cut flowers were short. There was much more store decorating than usual.

ST. JOHN, N. B.—Trade was one-fourth better than last Christmas, as per the estimate of Homer S. Cruikshank, who says there was a shortage on every item of cut flowers, qualities being far ahead of any previous Christmas. Carnations and violets were in unusual demand and there was increased sale for flowering plants.

NEWARK, N. J.—John G. Mueller chronicles a thirty-three and one-third per cent increase in Christmas sales, with prices ten per cent higher and inadequate supplies of all cut flowers, carnations being in particular demand and therefore very scarce. There was an increase in the sales on both decorative and flowering plants.

CHAMPAIGN, ILL.—Trade was one-fourth better than at the Christmas of 1899, but prices were about the same. Although all kinds of stock was scarce, qualities in general were poor. Thomas Franks reports that carnations were "the whole thing" as to demand and noticed an increased call for decorative plants.

CAMBRIDGEPORT, MASS.—Walter H. Murdock says that the Christmas trade was about as last year, with stock plentiful and prices slightly higher than usual. The demand for flowering plants was excellent. Murdock grew 1500 pots of cyclamens and before Christmas had wholesaled 1300 of them at \$8 to \$18 per dozen.

FREDERICTON, N. B.—Altogether the last was the most satisfactory Christmas on record. John Buffington says that carnations and roses sold out clean, that the late chrysanthemums all went, together with all sorts of flowering plants, large stocks of azaleas, cyclamens, primroses and bulbous flowers having been provided.

OMAHA, NEB.—Holiday trade has been very good and carnations and violets commanded a better price than in previous years. Palms and flowering plants sold well, also especially well grown cyclamens. Azaleas were somewhat on the decline. The weather was excellent for Christmas, lots of snow with a mild temperature.

DENVER, COLO.—Baskets of blooming plants had the call at Christmas, although first-class cut flowers were well cleaned out and sales increased ten per cent. The particular demand seemed to be for fancy carnations and such varieties as Mrs. Lawson, Ethel Crocker, The Marquis

and Olympia brought the best prices ever realized here for carnations. Violets were in over supply and Roman hyacinths were too plentiful. There was good trade in Christmas greens but the florists left it largely to the grocers and street men.

CAMDEN, N. J.—Christmas trade was all that could have been asked for, although the prices on cut flowers were not nearly so high as are reported in various larger cities. The plant trade was very good, Begonia Gloire de Lorraine, azaleas and cyclamens being the principal items of demand, according to C. W. Turnley.

PROVIDENCE, R. I.—Farquhar Macrae says Christmas trade was about the same as last year. Carnations and violets were higher than ever and roses were



RICHARD WITTERSTAETTER.
(Originator of the five-thousand-dollar carnation.)

about as usual at this season. Carnations were the greatest shortage. There was more demand than ever for flowering plants such as azaleas, cyclamens and primroses.

ALLEGHENY, PA.—The Ludwigs report trade as ten per cent ahead of a year ago, with adequate supplies of cut flowers at the usual Christmas rates. Stock was poorer than last year's and there was little unusual in the week's business. Holly was cheaper than ever before, but Christmas trees were in great demand and higher.

COLUMBUS, O.—Christmas trade was all that could be asked for, all stock being consumed at fine prices. Plant trade was excellent. J. R. Hellenthal was about the only one who had poinsettias and azaleas, home grown, and he did splendidly with them. The bottom dropped out of the holly market several days before Christmas.

DALLAS, TEXAS.—The Texas Seed and Floral Company reports that Texas has been very prosperous this year and that people have plenty of money to spend, so that it was not extraordinary that the Christmas cut flower business was double that of a year ago. Prices were about the same on roses, but carnations went up 100 per cent and stock was strictly fancy, far superior to a year ago, and the flowers were in consequent demand, even

at the higher prices. There were plenty of roses, but violets were nearly as scarce as carnations. Even bulbous stock all sold out. Beauties were particularly fine. There was a very large increase in the sale for blooming plants, azaleas being particularly popular.

DAYTON, O.—J. B. Heiss says that Christmas trade was about the same as last year, with enough cut flowers of all kinds and very little demand for bulbous stock. There was a marked increase in the call for American Beauties. Both palms and flowering plants were popular. The trade in Christmas greens is all in the hands of the takers now.

CONCORD, N. H.—The Christmas trade was better than usual, but the demand was all for bright-colored flowers. Red and pink carnations were most in demand and bulbous stock was only taken when nothing else was to be had. There was a considerable increase in the sale of plants. Boston fern was easily the most popular subject offered.

HAMILTON, ONT.—Trade was about seventy-five per cent ahead of last Christmas, with prices a trifle better and the usual shortage of roses, carnations and violets. Bulbous stock sold very well and there was lots of it. Roses were not as good as usual, because of too much dull weather. There was increased demand for good flowering plants.

NEW LONDON, CONN.—Trade was very little different from a year ago, according to the estimate of H. H. Appledorn. There was the usual shortage of cut flowers, carnations and violets being in particular demand and the latter very scarce in this locality. Qualities were generally good. The call for plants tended toward the flowering section.

CHATHAM, ONT.—Supplies in all lines were short this Christmas owing to the prevalence of cloudy weather, but nevertheless the aggregate of sales was fifty per cent higher than in 1899. Even bulbous stock sold well and qualities in general were poorer than ever. Fannie Tissiman reports the particular demand to have been for carnations and flowering plants.

BUFFALO, N. Y.—Christmas prices were about the same as a year ago, but there was an increase in sales. W. A. Adams says that it was the general experience that there were inadequate supplies of roses, carnations and violets and that the call for bulbous stock was limited. There was increased demand for lily of the valley, poinsettias and flowering plants.

TERRE HAUTE, IND.—Lawrence Heint estimates Christmas sales in Terre Haute as one-fifth heavier than in 1899, with adequate supplies of cut flowers and prices about the same as a year ago. Roses were better in quality than usual and there were more calls than ever for roses, carnations and violets, also an increased demand for begonias, palms and ferns.

SALT LAKE CITY, UTAH—Christmas trade was better than in 1899 and prices were higher than then. There were enough violets, but a shortage of roses and carnations, and Paper White narcissi sold well at \$1 a dozen. There were some excellent Californian chrysanthemums which sold very quickly at \$2 per dozen. There was a marked increase in the call for American Beauties. Potted bulbous stock and azaleas sold well. The city was flooded with holly and mistletoe but the best of the stock sold well.

TRENTON, N. J.—C. Ribsam says the centralization of money was the cause of Christmas business being divided up into very small orders. The increase from 1899 was about ten per cent, with a shortage of supplies in all lines of cut flowers except bulbous stock. Qualities were better than a year ago and there was increased call for carnations and poinsettias.

HUNTSVILLE, ALA.—Retail prices for Christmas stock were twenty-five per cent ahead of a year ago and the money value of sales was fifty per cent ahead of the Christmas of 1899, according to Eugene Trump. There was a short supply of all cut flowers and a particular demand for red roses and bright-colored flowering plants. The same may be said for Christmas greens.

EVANSVILLE, IND.—The aggregate of Christmas sales was about as a year ago, but prices were ten per cent higher. There were enough roses, carnations and violets to meet the demand and qualities were considerably better than a year ago. There was an increased demand for decorative plants, according to J. H. Wade & Co. There was big business in holly, but the grocers got most of it.

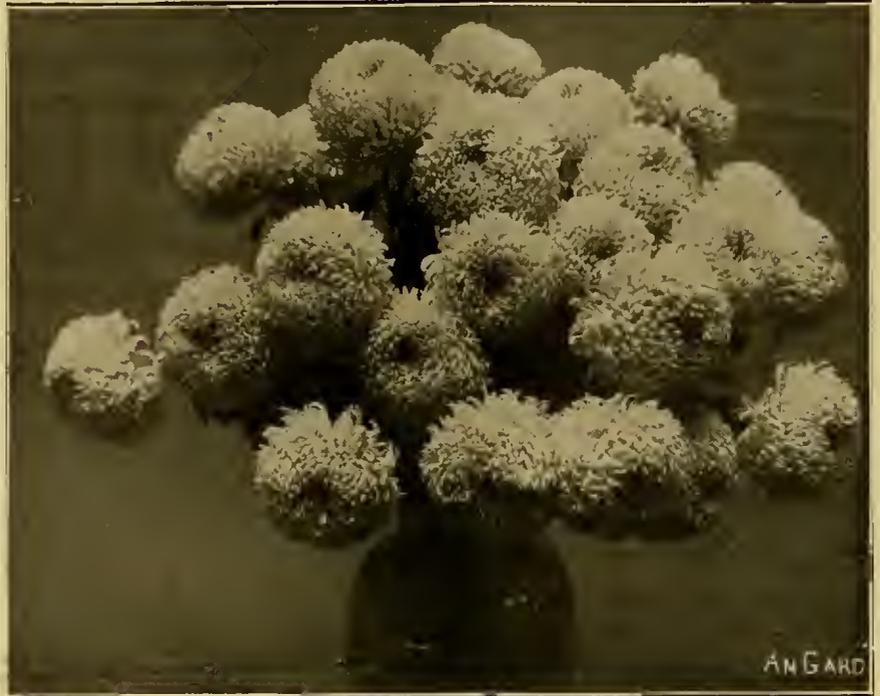
WASHINGTON, D. C.—A. Gude & Brother say the noticeable feature of the Christmas trade was the fact that there was more business at the last minute than could be rightly attended to. Sales were twenty-five per cent greater than a year ago. Blooming plants had the call but the prices of cut flowers were higher than usual. There were enough roses to go around but not enough carnations.

POUGHKEEPSIE, N. Y.—This is not a good market for either bulbous cut flowers or decorative plants, but Christmas sales, on the whole, were better than a year ago. People wanted first-class stock and were willing to pay the price. The supply was about equal to the demand, with a slight shortage of carnations, which were especially popular, as were American Beauties, according to M. J. Lynch.

ALEXANDRIA, VA.—The Christmas season brought smaller orders than usual but many more of them, according to J. Louis Loose, who says that the demand was for the medium grade of stock. Prices were about the same as last year and the supply was equal to the demand. Violets were the most popular cut flowers, followed by carnations. Azaleas, cyclamens and primroses were the plants most sought for.

LEAVENWORTH, KAN.—At the Fairview Greenhouses they estimate that the Christmas trade was double that of 1899, with prices at about the usual level. There was not enough of anything, except bulbous flowers, and for these there was no call. Carnations were very good and in great demand. There was also increased call for decorative plants. Everyone could have done more business if they could have obtained the stock.

ATCHISON, KAN.—A marked increase was noted in the Christmas trade as compared to last year. All good stock was sold at fancy figures, the demand being especially strong for violets and red roses. R. J. Graves succeeded in holding back a fine lot of chrysanthemums, which sold well. F. W. Manglesdorf reports that there were increased calls for American Beauties, Boston ferns and holly. He says that seventy-five per cent of all the plants sold were Boston ferns and that the supply was not equal to the demand.



CHRYSANTHEMUM TIMOTHY EATON.

ST. JOSEPH, MO.—Christmas business was at least twenty per cent ahead of a year ago, with prices at about the usual level, except on carnations, which were both poorer in quality and higher in price. There was too much bulbous stock; rose qualities were better than a year ago. There was marked increase in the call for plants, both flowering and decorative. Holly was very good and sold briskly, both loose and in wreaths.

MILWAUKEE, WIS.—William Edlefsen found Christmas trade much heavier than a year ago and says that everyone else in the trade has the same story to tell. There was enough stock to prevent prices going higher than usual and the quality of material at hand was very good. It was noticeable that nearly all buyers required the highest grade of cut flowers. There was an increase in the call for all kinds of plants.

INDIANAPOLIS, IND.—Christmas trade was about the same as last year although a few report a slight increase. Cut roses of good quality, carnations and violets were sold out clean at satisfactory figures. Blooming plants also moved very well, though there were plenty more to be had. Poinsettias, azaleas, Begonia incarnata and Gloire de Lorraine and cyclamens were most called for. There was very little demand for pot oranges, berry-bearing plants and heather.

SYRACUSE, N. Y.—L. E. Marquisee reports Christmas sales greater than ever before, with prices higher than are usually obtained at the holidays. Roses were plentiful but violets were rather scarce and there was such a great demand for red carnations that the supply was decidedly inadequate. There was no great call for bulbous stock. Roses were not as good as usual, but other qualities were excellent. Azaleas sold well and as a rule flowering plants were scarce.

OTTAWA, ONT.—Christmas trade was greater than a year ago, according to Graham Brothers. Roses and chrysanthemums were plentiful, but carnations

were short and violets shorter, although the former seemed most popular. There was a plentiful supply of bulbous stock, with demand slow. There was a large increase in the sale for flowering plants, but a great number of palms and ferns were moved. The trade had more snap in it than ever before, but credit sales were more numerous than usual.

SEATTLE, WASH.—C. W. Johnson reports Christmas sales as twenty-five per cent ahead of a year ago, with higher prices on all cut stock. The demand was so far ahead of the supply that many orders were refused after December 20. Everybody wanted carnations and The Marquis, Mrs. Lawson and G. H. Crane were the particular favorites. A great many chrysanthemums were sold but it would have been far better for all concerned had they been sold three weeks earlier. There was also a great call for kentias and all flowering plants.

BUTTE, MONT.—Law Brothers report that their trade was twenty-five per cent ahead of a year ago, with prices about the same, except on Beauties, which sold for \$20 a dozen as against \$12 a year ago. Two-thirds of the supply of cut flowers was obtained from Chicago, Milwaukee and Council Bluffs. The qualities were much better than usual. There was particular demand for red carnations and Beauties. In flowering plants azaleas took the lead. Christmas greens were not up to the usual standard but holly was in great demand.

BANGOR, ME.—Carl Beers figured that his Christmas trade was twenty-eight per cent ahead of a year ago, roses being in ample supply, but carnations and violets much below the demand. These two items, Harrisii and mignonette were in especial favor. There was a marked increase in the call for all plants, among the popular items being Romans and Duc Von Tholl tulips in pots. There was also increased demand for azaleas, cyclamens, primroses and Kentia Belmoreana. There was great demand for ferns in jardinières and the Boston fern sold like hot

cakes. Mild weather was a great factor in making the plant trade the largest in history.

PUEBLO, COLO.—I. W. Joseph says that Christmas sales were rather less than a year ago, although prices were ten per cent higher. Home-grown cut flowers were scarce and it was necessary to procure supplies from long distances and the high wholesale rates made it very difficult for local retailers to do business. Tea roses cost \$18 per hundred, American Beauties \$12 to \$15 per dozen and carnations \$10 per hundred by the time they reached here, and local trade refused to pay more than \$1-25 per dozen for carnations and \$3 per dozen for roses. There was the usual demand for plants.

A Five Thousand Dollar Carnation.

The well and widely known carnation specialist, Richard Witterstaetter, of Cincinnati, O., has again set the carnation world agog by disposing of the stock of his new seedling, Adonis, for a sum which on indisputable authority is said to exceed \$5,000. The purchasers are Robert Craig & Son, of Philadelphia, and the E. G. Hill Co., of Richmond, Ind. The new owners have already been requested to quote prices on shares of the stock, but Mr. Craig says it is a variety to grow for blooms rather than propagate for distribution and Mr. Hill assures us that he will build a new 400-foot iron house this year for the express purpose of growing it.

Adonis is fairly well known to the trade, having been exhibited at Buffalo last February, where it was awarded the Lawson silver medal for twenty-five blooms of the best undisseeded seedling. The general character of the flowers and stems are shown in the accompanying illustration, the color of the former being bright scarlet. Those who raise thousands of seedling carnations in a single year and expect to make a fortune out of them the next would do well to take pattern after Mr. Witterstaetter in such work. It has taken ten years to develop Adonis by the frequent crossing of scarlet seedlings, the final seed parent being a seedling of Adelaide Kresken and The Stuart, obtained about seven years ago.

Carnation Dorothy.

The seedling carnation, Dorothy, which Mrs. E. T. Grave, of Richmond, Ind., is offering this season, has proved quite popular with buyers of the flowers and at the exhibitions. The blooms are of good size and form, and borne on long and stiff but not ungraceful stems. The color is pink, Scott shade, and the flowers are very fragrant, freely produced, with calyxes that never burst. Dorothy is free of disease, blooms early and continuously, and E. C. Amling, of Chicago, who handles the product, says the flowers sold readily for 8 cents during the holidays and that they have always brought from 4 to 6 cents. It is a good keeper and shipper and was awarded certificates at Chicago, Philadelphia and Cincinnati. The illustration reproduced on the opposite page is from a photograph.

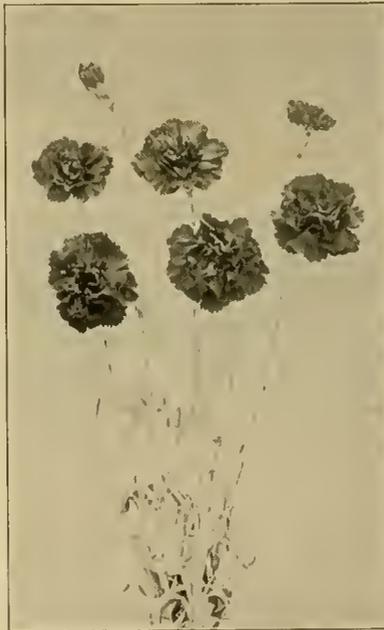
MADISON, N. J.—The annual "blow out" of the florists and gardeners will occur January 9, and the boys are making great preparations.

FINDLAY, O.—The hot water pipes in the greenhouse of Samuel McMichaels burst December 15, entailing a considerable loss by freezing the stock.

Crossing and Hybridizing.

[A paper read by Fred Dörner, Sr., of Lafayette, Ind., at the annual meeting of the Indiana Horticultural Society.]

Crossing is the pollination of a flower of one variety with the pollen of a flower of another variety of the same species to effect fertilization. Hybridizing is the same action between two species of the same genus. A crossing between two genera may be possible where relative properties exist. Nature teaches us that cross-fertilization strengthens the vitality and advances perfection in the progeny, while self-pollination results in degeneration. In many plants the flowers are so constructed that pollination is only possible with the help of insects, by carrying the pollen on their hairy bodies from one flower to another, or the pollen is carried by the wind. We notice where plants stand in clusters, seed is more freely produced than when standing alone. A solitary corn stalk seldom produces a good ear of corn. With the knowledge of nature's wonderful and intricate work-



CARNATION ADONIS.

(Witterstaetter's five-thousand-dollar seedling.)

ings we are enabled to extract from her what we receive otherwise only by chance. The production of new varieties, improvements on existing ones, in fruit, flowers and vegetables, as to size, form, taste, fragrance, color, habit and productiveness, beyond the result of good culture, can only be accomplished through the seed produced by cross-fertilization.

The most striking illustration we have of this process is the carnation. With good culture as a basis, and judicious selection for crossing, greater improvements have been made in the past decade than in the century before, when the greatest achievements in the evolution of this flower came mostly by chance. What has been accomplished here can be done with any other genus of plants, be they flowers, fruit or vegetables. In France and England wonderful improvements have been made in the rose. There, also, were made the initiatory improvements in the carnation, which has come to its perfection in this country. Germany took the lead in annual and perennial

summer flowers, while in fruit the French are unrivaled. For illustration I will give my experience in carnation culture, and first call attention to some natural laws governing reproduction, favorable and unfavorable to what we want to accomplish in our crossings, mentioning points to be observed and describe the procedure of pollination to effect fertilization.

To make it more comprehensive we must go back to the original, primitive dianthus, the ancestor of the family. To all appearance the flower of the original carnation was single and of a purplish pink color. Culture made the first improvement; it produced the double flower. This was probably preceded by shadings in the color; sports may have appeared of distinctly different colors, and then nature's work of cross-fertilization enlarged what culture had effected in the beginning. Varieties developed so distinct in habit that they were classified as new species. The remount, or ever-blooming variety, originated in France about seventy years ago, and from this type developed our present carnation, much improved in habit and free flowering qualities. It required centuries to develop our present monthly or ever-blooming carnation. Now in our artificial crossing and hybridizing we employ culture, selection and calculation, but we have against us the natural tendency to revert to its primitive form through all the intervening stages in its evolution. Culture is the fundamental base, neglect it and you will assist the natural deterioration, the return to its primitive condition, or what we commonly call "running out."

In the selection of the parent flowers we must exercise the utmost care to choose the most perfect as well in the pollen or male parent, as in the seed bearing or female parent. I will give an illustration from my experience in regard to selection and calculation. Ten years ago, when I made my first crossings, I used as parents the best standard varieties then in cultivation. Among these the most vigorous growers we had were the pink, scarlet, dark red and variegated varieties. The pure whites lacked constitution and a few yellows were weak and shy blooming, producing poor, imperfect flowers of a very light shade. The yellow color was there, and my aim was to produce a clear yellow variety with perfect flowers and a vigorous constitution. The first step was to infuse more vitality and obtain a vigorous, robust growth. In this I succeeded by making repeated crossings during three or four years, between the yellow seedlings and stronger growing varieties, but the stripes of the color of the pollen parent were always there, and where the markings were most pronounced I noticed the most improvement in habit. Where I used the scarlet varieties I also noticed that the yellow became deeper in shade. Then I had some good, strong growing and free blooming yellow varieties, but they were all striped. The next step was to eradicate the stripes. This I accomplished by crossing the best striped varieties with the more profusely striped ones, and with some brilliant scarlets, and some mongrel colors between yellow and scarlet that appeared with the striped yellows. This I had to continue for several years but now I can show some yellow varieties of a pure, clear color, much darker than the yellows of ten years ago, which were rather creamy, and with as strong a constitution as we find in any of the other colors.

To give an idea of the difficulty of such

work, I can truly say that among ten seedlings probably one showed progression; the other nine went backward. I made my selections from among hundreds. In this work we very seldom succeed with the first crossing; it generally takes three and four generations to accomplish what we aim for. In general I may say that probably one in a hundred will come up to the standard of the existing varieties, and probably one in a thousand will be better and above the standard. We recognize nature's law that like produces like, but in a plant like the carnation, that has been for centuries under the influence of culture and cross-fertilization, it will hold good only in a general way, when we consider the results of our crossings. The strong tendency to return to its primitive form is there and is stronger than the agents we employ to force it away from it, and naturally the results of crossings are very various. The retrogressive tendency is most plainly shown in the large percentage of single flowering plants, from twenty-five to fifty per cent. Then we find plants that have lost their ever-blooming quality, with a more grassy appearance, resembling more our common bardy garden pink.

In color we find the greatest instability. While most plants from the same seed pod will have the color of one or the other parent or both, there may be a goodly number of entirely different colors. It is not uncommon to see the progeny of two dark red varieties to be a pure white, and vice versa, but when I consult their pedigree I may find that color three, four or more generations back. Then we may find the garden carnation, only blooming through June and July, from which our ever-blooming present carnation descended. On the other side we find a few specimens where culture oversteps its function and produces flowers with ten times the number of petals, very large, often measuring six inches in diameter, ragged, without form or beauty. In the structural parts of stem and flower we may find diversities not found in either parent. Lastly I will mention some plants where nature refuses reproduction, they being imperfect in their sexual organs. Several of my best varieties never produce a grain of seed, with the most careful and repeated pollination, while some others are entirely destitute of pollen but produce seed freely when pollinated. With others pollen is sterile.

The sexual organs of a flower consist of the stamens, with the anthers or pollen bags containing the pollen, and the pistils, in the ovary of which are the ovules or unfertilized seeds; the style and stigma. The procedure of pollination is purely mechanical and very simple. To make a crossing select the flower which is to bear the seed, before it is fully developed, and remove all the stamens. This is done so that there shall be no chance for self-pollination. It is also well, in double flowers like the carnation, to remove part of the petals around the pistil to give this organ a free chance to develop and also that it may be easier of access when it comes time to apply the pollen. When the pistil is matured enough to receive the pollen, which can be easily detected with a little experience, apply the pollen to the stigma with a small, fine camel's hair brush. The pollen is ripe when the anthers burst and lay it bare, and when not too old and dry will readily stick to the brush, the same as to the fine hair of a bee. To moisten the brush by breathing over it will help



GARNATION DOROTHY.

to hold the pollen. Fresh pollen is always preferable. The morning hours on a sunny day is the best time, and we seldom fail to find fresh pollen at that time. A low temperature and moist atmosphere will prevent fertilization. A mature flower prepared for pollination retains its freshness and vitality for several days, while pollen will soon scatter and be lost with the slightest touch. I found with the carnation, that flowers kept two weeks and were then yet in condition to effect fertilization and grow seed.

I am not advised to what extent artificial crossing has been practiced in fruit culture in this country. Whether our newer varieties of apples, pears and other fruits are results of carefully executed crossings, or found by chance or imported. We have delicious fruit; we have also exquisite flowers, but something new always enlivens the flower market, gives new interest to the lover of flowers, and we feel a beneficial effect through the whole trade. Will it not have the same effect in fruit culture? It is quite a greater undertaking to grow fruit from artificially produced seed than to grow flowers in the same way from herbaceous plants. Here we can see the results in a year or two, while in some branches of fruit culture we have to wait three or four times as long. It would hardly pay to grow 6,000 seedling apple trees, like I do carnations, wait six or eight years, and then find probably a dozen that may be better than existing varieties. It would truly be a hard experience to see one-third or more, return to the wild crab. Fruit culture is in this respect much the same as the culture of our varieties of flowers that have been grown for centuries; we meet the same obstacles to a more rapid progress, the tendency to breed back, a dealing with inferior conditions of long ago. I speak more of the apple as it is probably the most widely

spread. With small fruits results can be ascertained much sooner.

I believe most of our native varieties of apples, old and new, have been accidentally produced in nursery rows among the large numbers of seedlings grown for the purpose of grafting. They may have probably attracted attention by some characteristic shown at an early age and were saved out of curiosity, or they were probably found in some fence corner or out of the way place, where a stray seed had grown and been left alone. As I said before, to grow seedlings for the purpose of producing meritorious new varieties on a large scale would be neither profitable nor encouraging. Let us lay dollars and cents and large profits aside, and see if such work on a small scale successfully carried out would not be repaid in the work itself, the pleasure it gives to delve a little into nature's mysteries and see what you can accomplish; it may be profitable in the end. Suppose one would grow a few apples in his orchard from select crossings, use the seed of the best specimens for sowing, and keep a correct record of all his crossings. A like number of seedlings can be grown every year to fill another row in the space devoted to that purpose. When the seedlings are ready to transplant, do not plant them in some out-of-the-way place and leave them to themselves. If you cannot spare a piece of ground suited for apple culture, do not attempt the work at all. Good culture is imperative. The young trees will not need the space you would give in a permanent orchard, but they should have ample room to develop until they bear their first fruit, but give all the care and cultivation a rosarian would give to a bed of his choicest roses.

As your work progresses and you add every year a new row to your proteges, when you see them thrive and respond to your careful cultivation, notice their dif-

ferent characteristics, make comparison with their parents with the aid of your record, indulge in suppositions as to what may be the result, see the first bloom appear, their first fruit ripen, and find probably one, two or three varieties that are above the standard. Then you will realize the fascination this work has, and the satisfaction and pleasure it gives. But I say again, this is only work for one who has love for it, and feels himself repaid by the pleasure it affords; let the business part follow.

Now some may ask how to proceed with such a work. I will try and outline a way as it appears to my mind, but the plan can certainly be improved upon and suited to circumstances. Make your plans as to what crossings you wish to make and select some branches of easy access, on the healthiest trees of the desired varieties, that have a goodly number of sound fruiting buds. When the flower buds appear and attain that rounded form ready to break open, select the strongest and healthiest, as many as you will need, and remove the rest; clip part of the petals away so as to have free access and remove the stamens; this must be done before the bud opens, in order to remove the pollen before it is ripe. When the pistils of the prepared flowers are matured apply the pollen that will be found abundantly on the other parent tree, in the same manner as described before.

During the time of flowering it requires the greatest watchfulness to guard against detrimental influences. In the first place we have to protect the prepared flowers from the insects which perform unwittingly and promiscuously, as arranged by nature, the work one wishes to perform to suit one's fancy. For protection use a fine gauze fabric that will not shut out light and air, and enclose either the whole or parts of the branch or the single flowers, just as it is most convenient. This will also protect against flying pollen carried by the wind, and if left on during the early growth of the young fruit will protect against the ravages of winged insects. If the pollinated flowers can be protected from rain it will be of much benefit, as water will interfere with fertilization. A correct labeling should never be omitted, if one is deeply interested in his work. This is not such an extensive or tiresome work as many suppose it to be; neither is it complicated. All that is required is timely attention. What can be done in Europe can be accomplished here, too, but one must have love and energy for the work, use his brains and not his pocketbook alone.

A Bangor Flower Show.

The annual floral festival given by Carl Beers in the City Hall at Bangor, Me., opened auspiciously, the weather being all that could be desired, quite unusually warm and dry. The attendance was better than last year and taking all in all the exhibition was a decided social and financial success. The decorations were very elaborate. The main festooning was arranged in sections, one section decorated with grapes, others with lemons, oranges and apples, the whole being very artistic and presenting a truly tropical appearance. The pyramids, of which there were six, were of deciduous and exotic plants, the main one of *Latania Borbonica* some twenty-two feet in height, other smaller ones of *phœnix*, *arecas*, *kentias* and *cocos*. The flowering display was very elaborate, being for the most part chrysanthemums,

showing the McKinley and Bryan and other fine ones too numerous to mention. An extra fine lot of salvias were to be seen. Carnations were extra fine and the varieties shown included many sorts and all the new ones. The church society which co-operated with Mr. Beers was entirely satisfied with the result. Dancing was indulged in in the evening and a picturesque sight it was.

V. V.

Kreitling Bombardees Crape Chasers and Others.

[Paper by Walter Kreitling, read before the Chicago Florists' Club, January 4, 1901.]

The position of the legitimate storekeeper is beset with many difficulties, and from his position he thinks a more satisfactory business basis or method ought to be established. For illustration, the legitimate storekeeper looks upon the street merchant as a very great factor in disturbing his business, from the fact that he has so little expense. He has but very little rent to pay and no expense for lighting, packing or delivery, no extra help to pay in the busy seasons. Therefore the street merchant ought to pay his legitimate share, either by rental or by license, of those expenses necessarily pertaining to the business of the legitimate storekeeper. The legitimate storekeeper has another insidious enemy to contend with, and that is the crape chaser. To suggest a remedy for this evil is seemingly very hard indeed, and how to proceed or what course to pursue so as to check the crape chaser is a problem that may well be taken up and thoroughly discussed and investigated.

The storekeeper feels that he has another and greater grievance and one that is more injurious than either of the others or all of them combined, namely, the wholesale flower dealers and commission firms who sell to actual consumers any of their goods at the same price as they sell the same goods to practical and responsible storekeepers. Some houses even solicit such business and many funeral designs are made and delivered to private individuals by the wholesalers at a lower price than they can be purchased by the legitimate storekeeper and at a price that would be ruinous to retailers. It is only a few days since a prominent storekeeper was telephoned for and

requested to come and arrange flowers for one of his patrons, who coolly informed him that he had found a wholesale house where he could buy his flowers at just about half the price charged by him.

Now, seemingly, this should not be done, and the line ought to be drawn somewhere so that we would have a chance to make a fair profit on all the goods we handle, at least a living profit, without being handicapped by those from whom we purchase goods. Therefore it seems advisable that we thoroughly discuss these evils and endeavor in some manner to remove or at least lessen the difficulties with which we have to contend in doing a legitimate business. I have mentioned these objectionable matters with which we have to contend very briefly, but trust with sufficient clearness to enable us to discuss them intelligently, hoping that some way or means may be suggested or adopted whereby we may be able to eradicate the existing evils.

A Canadian Method of Violet Growing.

I have had practical experience in growing all the varieties of violets and have tried many methods of culture, from the results of which I have become satisfied that Farquhar is the best double violet developed up to the present time.

I have tried a number of ways of propagating, dividing up the plants, taking all the good young crowns; also by rooting runners in the ordinary way. I can safely say that I get one-third more bloom from the plants from cuttings rooted in sand in a very cool temperature, about 50° in the sand and 55° above the bench.

I take cuttings about February 10 and as soon as they are well rooted I plant them about two and one-half inches apart in soil on the bench, where they stay until I plant them into their permanent beds. I keep the house cool and give the plants all the air possible. After planting I give one or two good root waterings, afterwards watering only when the soil is dry at the depth of one inch.

I do not put the glass on the houses in the fall until after there has been frost enough to make the bare ground so hard that when I jump on it with both feet it



VIEW OF DECORATION FOR A MAINE FLORAL FESTIVAL.

fails to leave heel prints, and I weigh about 140 pounds. I believe in giving plenty of water. I sprinkle the plants often, about three or four times a day, and try to have them dry at night. I am not alarmed if I find the foliage quite stiff in the morning and I aim to carry the day temperature at as near 45° as possible, watering whenever the soil looks dry.

In preparing the soil for the beds I compost a sandy, well rotted sod with well rotted cow manure, using about two parts soil to one of manure. I set the plants in the beds about June 1, in rows nine inches apart each way. I think drainage to be one of the important details of violet growing. My houses are on a side hill so that I get good drainage, but I put in 2-inch drain pipes under the beds, about three feet apart, running the length of the houses. During the summer I go over the plants about once a month, removing runners so as to get the plants in good shape for fall.

WILLIAM FENDLEY.

A Mixed Wreath.

Wreaths of this character, if not more beautiful than those ordinarily made by florists, certainly charm a customer for being a departure from the routine of such things. Of course, unless you have your own greenhouse, with numerous odds and ends with which you may help out your individual artistic ingenuity, you cannot supply such work. The wreath illustrated contains a variety of ferns, the beautiful lotus with its gray-green, two varieties of lilies, the exquisitely colored foliage of *Cissus discolor*, sweet jasmine, begonias, chrysanthemums and a spike of Egyptian papyrus.

C. B. W.

New York.

STORY OF A RATHER SPIRITLESS NEW YEAR'S BUSINESS.—BRIDESMAIDS THE ONLY ITEM OF PARTICULAR DEMAND.—PRICES VARY WIDELY.—PLANT TRADE NOT PARTICULARLY HEAVY.—DEATH OF MRS. MERRIT.—VARIOUS NOTES.

The weather Monday was most disagreeable and put a damper on trade. I suppose that must have been the reason for the quiet air that pervaded the wholesale market during all of the day. There was no rush, no apparent desire to possess anything in particular and it was not possible to nail a buyer down to anything in the shape of an order, except "a few good 'Maids." There appeared to be a good supply of small roses, carnations, cattleyas and American Beauty and it was seen early in the day that the violet plants had enjoyed the weather conditions since Christmas and had taken a move on, for the supply was hountiful and it was patent that some of the manipulators in the country had thought the matter out and concluded that New Year's ought to be as good as Christmas for prices; so they held a few up. The result is not hard to guess. Fair weather, no doubt, would have contributed to better results and perhaps there were just as many if not more sold this New Year's than a year ago. There are now so many sources of supply that it is difficult to keep track of them all. Where do all the fancy carnations come from? They sold at all sorts of prices, from 4 cents up, and the quality was fine. The ordinary kinds sold fairly well, white having the preference, no doubt because there were fewer of them than of other colors. Bridesmaid, Liberty and Meteor



A MIXED WREATH.

easily led the roses in popularity, the first being the leader. A wide range of price, from \$3 to \$10 for the common run of stock and for extras up to \$20, there possibly being a very few sold at \$25, represents the different grades. American Beauty has suffered from lack of admirers for the past week and was not in particular request, perhaps because the consumer does not desire to present the same flowers on the two holidays. A comfortable supply of cattleyas appeared and met with moderate sale. Lily of the valley sold well but the quantity visible was equal to demand. Stevia, narcissi, hyacinths and smilax cleared well for a wonder. The amount of business done in plants was not of large proportions but figured to some extent. It is difficult at this writing to say whether or not the volume of New Year's business exceeded last year. It ought to, to keep pace with the natural growth of our business, in which case it would not be remarked, as the supply has grown to meet increased demand.

Mrs. Richard Merrit, wife of the well known and popular "Dick" Merrit, died suddenly about noon New Year's day. She had been in the hospital undergoing an operation, and had returned, apparently well, only a day or so before. Mrs. Merrit was the eldest daughter of the late J. M. Hodgson, who died about ten months ago, another daughter dying in Newport this summer, which facts make it the more distressing to the bereaved family.

Mr. Grunewegen, of Amsterdam, Holland, and lately with Bobbink & Atkins, returned to his home on Saturday last.

Patrick O'Mara is still confined to his home with a heavy cold.

LAWRENCE, MASS.—William F. Regan has opened a florists' store at 504 Essex street.

GLASGOW, MO.—Henry Schnell has recently completed a sash house 15½x103 to be used for the forcing of vegetables, lettuce, tomatoes and cucumbers.

Boston.

NEW YEAR BEGINS WITH A DEMAND WHICH AUGERS PROSPERITY.—WHITE IS NOW ON AN EVEN FOOTING WITH COLORED STOCK.—MEETING OF THE GARDENER'S CLUB.—ELECTION OF OFFICERS.—PRIZES OFFERED BY THE MASSACHUSETTS HORTICULTURAL SOCIETY.—OLD HALL TO BE VACATED IN APRIL.

Business seems to have started in for a spell of prosperity with the beginning of the new century. Last week, directly after Christmas, was unbearably dull. The warm, pleasant days brought all flowers along rapidly, so that the customary scarcity after the Christmas slaughter was not encountered and the end of the week found a very heavy accumulation in wholesalers' hands, which was not wanted and which could not have been moved even with a great reduction in price. On Monday, however, things started in with a hum and this has continued ever since, although ordinarily New Year's counts for nothing here. It would have been impossible to care for the trade that has come in so freely this week had it not been for the quantity of stock that had been held over, so "all's well that ends well." Predictions of wintry weather for the immediate future lead to the confidence that all the flowers received during the balance of the week will find a ready market. The discrimination against white flowers which characterized the Christmas demand has ceased and these are as acceptable as any of the colored material. Roses generally are improved in quality. Liberty alone is difficult to get good in any quantity and more than we have might easily be placed in this market.

The Gardeners' and Florists' Club of Boston, which has been torpid for a couple of years, awoke to full activity on Tuesday evening, January 1, the occasion of its annual meeting. The list of names hereinafter recorded as elected officers for the present year are a sufficient guarantee that the interests of the organization will be efficiently cared for

and its forces not permitted to slumber. It was decided for the coming year to have four meetings, the date and scope of each to be decided by the executive board. The treasurer's books show a comfortable balance on hand. Officers were elected as follows: President, Warren Ewell; vice-president, J. A. Pettigrew; secretary, W. E. Fischer; treasurer, Edward Hatch; executive committee, Wm. Donald, E. J. Welch, W. W. Edgar, Alex. Montgomery and M. H. Norton.

The schedule of prizes offered by the Massachusetts Horticultural Society for its exhibitions during the year 1901 has been received. The first exhibition, that of January 5, comprises *Primula Sinensis*, *P. stellata*, *P. obconica* and freesias; also a choice variety of forced vegetables. The second show scheduled is for February 2, when freesias, orchids, violets, carnations and camellias are liberally provided for. The various exhibitions after May 1 are specified as conditional upon the completion of the new building, as on April 30 the society must vacate the old halls.

Mrs. F. L. Ames, W. N. Craig, gardener, exhibited an interesting group of orchids at Horticultural Hall on December 29. *Cypripedium* × *Chas. Canham* was a superb plant bearing twenty-seven flowers and a bronze medal for superior cultivation was awarded. For *Laelio-cattleya* × *Digby-Mossia* a certificate of merit was given for superior cultivation. *Cypripedium Sallieri* var. *aurum* was shown with fourteen flowers.

Some of the handsomest specimens of Bride and Bridesmaid roses to be seen in this market are coming to Welch Brothers from S. J. Reuter. Welch Brothers are also handling the Queen of Edgely exclusively for this neighborhood.

Scarlet tulips are seen in the windows occasionally. It is to be regretted that they cannot be brought in for Christmas in good shape as this color is always lacking.

Coolidge Brothers are sending in Carnation Mrs. Frances Joost in superb form. When well done this favorite variety is hard to beat.

Philadelphia.

HOLIDAY WEEK SEES VERY GOOD BUSINESS.—STOCKS SHORT AND PRICES WELL MAINTAINED.—NEW YEAR TRADE GOOD.—ALL DESIRABLE PLANTS CLEANED OUT.—CAMPBELL VIOLETS ARE POOR.—MANY DECORATIONS.—VARIOUS NOTES.

That was a fine armful of sprigs Mr. Watson gave us from his spice bush last week. They had an aromatic and tonic flavor, even to the last one. When they have had a chance to take effect, we will prune a few where they seem to need it, taking off the ragged edges and smoothing the somewhat ruffled leaves.

Business since Christmas was quite lively, with a scarcity of good stock of all kinds. Prices kept up very well; in fact there was not much difference. Some growers and dealers seem to have lost their calendars and were of the opinion that Christmas lasted until New Year's. Prices were about as follows: Brides, Bridesmaids and Meteors, \$15 to \$18 per hundred, Beauties from \$5 to \$12 per dozen, Liberty \$25 to \$50 per hundred. There has certainly been some grand stock of this rose about of late, with stems and flowers about the size of the best Beauties. S. S. Pennock has been handling some very good Golden Gates, which, when well grown, are found very

salable. Carnations have been in good supply, but have sold very well at almost Christmas prices, \$4 to \$6 for the good ordinary and \$6 to \$8 for the fancies. A few good Marquis are now to be seen, also some nice Genevieve Lord. These, with Lawson, Crocker, Crane and White Cloud, bring top prices. Violets are hardly up to the demand and good stock is quickly sold if not all ordered before it comes in. Prices for the best singles are from 75 cents to \$1.50 per hundred and the doubles run from \$1 for the southern stock to \$2 for the best local grades. Practically no Marie Louise come to this market, all the stock being Lady Campbell, and in many cases we are sorry to say that from lack of good or kind treatment or other neglect they present a sorry appearance, not at all in keeping with the good name the variety bears elsewhere. The demand for greens, particularly bunch asparagus, both *Sprengerii* and *plumosus*, seems to be constantly on the increase. There never seems to be an over-supply, although there is a great deal more grown for this market each season. It sells for from 1 cent to 5 cents per spray, according to size.

New Year's day's business was good, probably a little better than last season, and all available stock was sold at retail prices probably twenty-five per cent below those of Christmas. There was a demand for blooming plants, but not much stock to fill it with. All the begonias were sold at Christmas or the few days after, and but few azaleas or cyclamens were left. The early azaleas were not as much of a success this season as before, the flowers not opening as evenly as is necessary to make a showy plant.

At a special meeting of the Florists' Club of Philadelphia, called by President Harris, the following resolutions were unanimously adopted:

WHEREAS, The Florists' Club of Philadelphia has heard with deep regret of the death of their fellow member, Edward Lucking, therefore be it
Resolved, That in the death of Edward Lucking the club has lost a valued member, who took a great interest in its welfare, and was always a zealous worker for its advancement. The deceased was noted for his upright and honorable methods in all business relations, and it gives us pleasure in hearing testimony to his estimable character.

Resolved, That the club herewith extends its heartfelt sympathy to the bereaved family, and expresses great sorrow at his early death.

DAVID RUST,
 JOHN WESTCOTT,
 F. HARMAN,
 M. RICE,
 GEO. C. WATSON, } Committee

Hugh Graham has had a great many decorations, the past week and his list of social functions for the next month is a large one. He had the decorations for the city's celebration of the advent of the new century, the contract for the City Hall being \$1,000. Immense Norway spruces were placed around the entrances to the building and illuminated with electric lights. There were also cut flowers and plants in the rooms of the mayor's suite. Large quantities of laurel wreathing and holly were also used.

Francis Supoit has been cutting a fine lot of white lilac. It would take a big order to stump him, as his capacity for some time past has been fifty to 100 dozen sprays per day. K.

COLUMBUS, O.—C. A. Roth has been enjoying a very heavy demand for funeral work. In this he was able to make good use of a crop of late chrysanthemums which would otherwise have been in little demand.

Chicago.

STATE OF THE MARKET.—A LULL AFTER CHRISTMAS—NEW YEAR TRADE FAIR.—PRICES FAIRLY WELL MAINTAINED EXCEPT ON BEAUTIES—GOOD STOCK STILL MOVES WELL—RETURNS ON CARNATIONS AND VIOLETS AVERAGING LOW.—SCHUBERT REVIEWS THE SITUATION.—VARIOUS ITEMS OF VARYING INTEREST.

The last week of the old year showed little activity in wholesale markets, but receipts were comparatively light and the demand for good stock was sufficient to clean up everything in sight at pretty fair prices. The Beauty market broke shortly after Christmas and prices went down very materially. All the big growers are enjoying very fine cuts and by the Saturday following Christmas the supply was all that this market could consume at rates one-third less than those prevailing seven days before. During the holiday week there were more or less extra fine, long-stemmed Beauties billed out at \$8 per dozen, but there was any amount of very good flowers that sold at \$6 per dozen. On the eve of the new century the Beauty market strengthened up a little, but it went off again as soon as the New Year's rush was over and now the top quotations on Beauties do not exceed \$6, with a chance that good stock will very soon be down to what seems to the growers like very little figures after the very fine prices which prevailed in the last half of December. For New Year's the rose crop was not heavy and the first grade teas sold well, but the second grades moved slowly and the common run of stock had to be sacrificed. Carnations retained their favor, although prices were on the decline. There were, following Christmas, far more white carnations than could be used, but within the past few days the demand for funeral work has made this stock active, if not profitable. It is quite probable that the growers will be disappointed with their carnation returns for the past ten days. The violet growers, too, are suffering more or less, particularly those who are sending in Lady Hume Campbell. The supplies have been greater, in many houses, than could be handled satisfactorily, even when the stock was pretty fair. It is estimated that on Monday the receipts of violets approximated 100,000 and with a blizzard prevailing only the cream of the stock sold well.

John C. Schubert, who divides his time between inspecting smoke for the city and catering to the "constantly developing æsthetic sense" of the people, delivered himself as follows in the New Year's trade review of the *Record*: "The growing use of flowers at all social functions may be taken as an evidence of social refinement and culture, as a constantly developing æsthetic sense among the people, as well as an evidence of business prosperity. The delicate and graceful expressions of sentiment which are carried in the various social uses to which flowers are put, showing a refined sense of modern social customs on the one hand and of an equally refined and gracious appreciation on the other, have quite as much to do, perhaps, with the material growth of the florists' trade in Chicago as any other influences that might be named. This is why during the year just closed florists in Chicago have no reason to complain as to the volume of business done. This is why their trade shows a satisfactory increase over that of the previous year. In common with other lines of business, prices have advanced,

especially for the choicer lines of goods, for which there has been a demand fully up to the supply. So far as the volume of business is concerned Chicago as a flower market is second to no other city in the country. The outlook for the future is of the most promising character. At any rate, judging by the past, there should be nothing to discourage the florist in his trade contemplations for the coming year. Dealers generally share this view and are looking forward to an increasing volume of business for 1901."

Bassett & Washburn are very highly pleased with the way the Mrs. Lawson carnation is behaving with them, but they say they are not yet able to get the length of stem which Peter Fisher had in the blooms of this variety sent here last year. This seems to be a general complaint with all the local growers, but the trouble will probably be remedied with a little more experience.

O. J. Friedman, in an illustrated interview in last Sunday's *Times-Herald*, placed the retail cut flower trade in Chicago at Christmas as aggregating \$100,000. He says that in general the carnation is the popular flower of the day, but that the public has not yet come to an appreciation of the rare beauty of the Roosevelt-Gomez-Maceo class.

The Chicago Carnation Co., of Joliet, Ill., announces a free excursion to their establishment January 18, by train leaving the Rock Island depot at 11:45 a. m. This is the date of the carnation meeting of the Chicago Florists' Club, and all who visit the city on that occasion are invited to join the excursion party.

John Pierson, who formerly conducted the Majestic Flower Store, on Rush street, is now on the road for the George Wittbold Company. He has made a trip west to Omaha and north to Minneapolis and St. Paul, doing fair business. He sells a few Wittbolds to nearly every man he calls upon.

John Poehlmann says that there is no rest for the weary. Poehlmann Brothers' big cut of chrysanthemums is no sooner out of the way than the bulbous stock comes in heavily. As usual they have big supplies at Morton Grove again this year.

Peter Reinberg is out to do a big business in the plant line this season and he is propagating carnations and roses by the many thousands. Everything is in very fine shape at his big place just now, particularly the Beauties.

E. C. Amling says that now that business has fairly caught the swing of the winter he expects trade to move steadily onward in very brisk fashion. He is very optimistic in his views of the probabilities of the new year.

D. W. Brant has returned from a Christmas visit to the wholesale store of Brant & Noe, at Minneapolis, where he found things going along very nicely. He says trade is good in the Twin Cities this winter.

Some of the ferns arriving from the east are opening up in a more or less damaged condition, and the annual rise in price is presaged by the stiffening of jobbing rates in the local market.

Wietor Brothers are offering cuttings of their pink offspring of Armazindy, which they have named The Sport. It has done splendidly for them this season.

Weiland & Risch report a very good demand for Liberty rose cuttings. The second year price for this novelty has been started off at \$8 per hundred.

E. R. Tauch has gone to Marquette, Mich., to take charge of the greenhouses of Mrs. L. H. Stafford.

C. W. Scott, of Vaughan's Seed Store, is about again and hopes soon to start on his customary trip.

Kreiting has done quite a lot of decorative work for the Chicago Club this week.

Visitors: Robert Craig, Philadelphia; E. G. Hill, Richmond, Ind.

Pittsburg.

CHRISTMAS TRADE WAS GOOD AND BUSINESS KEPT UP WELL INTO THE NEW YEAR.—WHAT THE RETAILERS DID.—EVERYONE SATISFIED.

The Christmas business through this section was the best ever seen. The trade in the cities of Pittsburg and Allegheny was very heavy and the small towns all report a very large increase. Violets were very scarce and sold at very high prices. All other flowers were plentiful and sold at good figures although not exceeding those of other years. Roses grown in this section were very good, likewise carnations. The growers all seemed to have had the crops come at the right time to meet the Christmas demand. In Pittsburg plants sold better this season than ever before.

Breitenstein & Flemm's windows and store presented a very artistic appearance. J. B. Murdock & Co. also had a beautiful window but it was not so thoroughly a florist's window as some of the others. A. M. Murdock had a very attractive window and showed good taste in the arrangement. T. M. Uiam's store was arranged in a very attractive manner and the store during the whole week presented a very busy appearance. L. I. Neff reports a good business.

Taking the florists as a whole they are very well satisfied with their Christmas trade and will no doubt go about preparing for good Easter business. Business also kept up well all through the week following Christmas and the New Year's trade was very good.

The Pittsburg Cut Flower Company reports a heavy trade in cut flowers, both locally and throughout the small towns in Western Pennsylvania, West Virginia and Ohio.

A. W. Smith's store was decorated largely with fine specimen plants of poinsettia and palms and ferns, and his trade was very good. WOODWARD.

Toronto.

STORY OF THE CHRISTMAS TRADE.—LITTLE STOCK NOT PROMPTLY SOLD.—RED CARNATIONS HAD THE CALL.—PLANTS IN GENERAL FAVOR.

The Christmas just passed was a record breaker and stock of good quality was easily disposed of at prices which were the best in Toronto's history. Everyone reports an increase over last year's sales. Christmas eve many orders were refused, where good stock was needed, as it was not possible to obtain more stock in this vicinity. Beauties and Liberty roses were very scarce and what few could be had brought fine prices. Meteors were good in color and stem and were the first of the teas to run out, but Brides and Bridesmaids soon followed. Carnations were in excellent crop and finest quality and were easily sold. G. H. Crane was most in demand and did not stand on the counter long, for it blends nicely with holly berries and makes an effective table flower. All fancies sold well and brought good prices. Violets were much sought but the prices asked were so high that one could usually induce a customer to purchase some flower which was more

plentiful. Harrisii were very scarce and were sold as soon as displayed. Large pans of cyclamens were in great demand and brought good prices. Gloire de Lorraine begonia seemed too high for most people but azaleas sold well. Baskets of ferns sold and pans of cocos and adiantums did as well. H. G. D.

Manchester, N. H.

A GREEN CHRISTMAS WITH CHRISTMAS GREENS VERY SCARCE.—CUT FLOWERS AND PLANTS SOLD AS NEVER BEFORE.—EVERYBODY BUSY.—NOTES.

A green Christmas has come and gone and the florists are happy; one and all report trade ahead of last year. The weather was fine and of course saved an enormous amount of labor, tying up plants and bundles and delivering them. It was a common sight to see customers carrying off nice palms, rubbers and ferns without any paper on them at all. Flowers of all kinds had a good run. Carnations brought a higher price than ever before and violets sold briskly at good prices. Evergreen was very scarce and of course everybody wanted it.

A. G. Hood, of the Pearl street conservatories, had the misfortune to be thrown out of his wagon the day before Christmas. His legs were caught in the wheels and were badly bruised, but at present writing he is able to be around. Mr. Hood reports a fine sale of plants and cut flowers. The Paybrook Gardens had all they could hustle to. Kirby Floral Company sold everything they had. Ingram & Company had five extra clerks and then were rushed.

Social affairs are just now keeping all the florists very busy. Friday, December 28, was the date of the Charity Ball and some very fine flowers were used, but the big run was on violets. The decoration was by Hood.

Herman Stacke, of West Manchester, raised some very fine pinks and had no trouble at all disposing of them. He has some of the latest varieties, which seem to do very well for him. QUEEN CITY.

Madison, N. J.

ROSE GROWERS' EXPERIENCES AT CHRISTMAS.—ONLY FAIR CROPS AND QUALITIES OFF.—EXPRESS COMPANIES INCUR CENSURE.

The rose growers of Madison had a fair crop of Brides and Bridesmaids for Christmas, but American Beauty and Meteor were very scarce. Yet I cannot say that the Madison roses were up to the standard on the output of Brides and Maids. Many were "pickled" and arrived in the market very soft and in some cases unsalable on account of the delay in delivery. Most of the shipments were not delivered in New York till one o'clock and that created a great deal of unpleasantness between grower and wholesaler, and here let me mention that the commission men were "raked over the coals" for once in their lives when they didn't deserve it, the fault being with the express company. First class roses sold very well, and a little in advance of last year, but these were scarce, while there was plenty of poor stock that did not sell well. L. M. Noe, our "Beauty King," was off crop on Beauties, but I understand some of his choicest sold unusually well. Taking general results the Madison growers did not fare as well as last season and some growers speak of holding the express company liable for their losses. G. F.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines *only*
Orders for less than one-half inch space not accepted

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

TWENTIETH century growers seem to
think they can get along without jadoo.

LEAVES of *Aspidistra lurida* are now
being used by European florists in deco-
rative work.

At this beginning of a new century
let's all take a fresh hold and go out
after more and better business.

THE wise ones among the growers
will read all our Christmas trade reports.
There is much valuable information in
them.

W. N. RUDD reports that from 1,100
plants of *Carnation Maceo* he cut 3,100
blooms of the first quality during the
month of December.

LOUIS SCHMUTZ's seedling of the *Celestial*
pepper has proved to be one of the
most profitable additions to the list of
Christmas plants this season.

FICUS RADICANS VARIEGATA, says a
writer in the *Gardeners' Magazine*,
makes a good basket plant for a warm
greenhouse or stove house.

ENGINEER PRIOLEAU, who has been
working on the water hyacinth trouble
in southern rivers, claims to have dis-
covered a chemical preparation which
destroys the pest.

ESTELLE, another of Witterstatter's
seedling carnations, according to a
prominent grower, is likely to prove use-
ful for small Christmas pans, three or
four plants in each.

ROBERT CRAIG claims there is a future
for *Begonia Caledonia*, the white form
of *Gloire de Lorraine*, used as small
plants in pots with *adiantum* for the
base of large designs.

THE fifteenth annual meeting of the
State Florists' Association of Indiana
will be held at Indianapolis on Tuesday,
January 8. Provision has been made for
a considerable trade display.

Greenhouse Building.

Rochester, N. Y.—H. E. Wilson, house
30x300.

Minneapolis, Minn.—Minneapolis Floral
Co., six rose houses 25x160, two
violet houses 11x100, palm house 35x180.

Dover, N. J.—W. H. Boyd, two houses
24x100.

Swansea, Mass.—Ormerod Bros., con-
servatory 20x60.

Somerville, N. J.—Norton & Houston
rebuilding commercial range.

Darien, Conn.—Jas. H. Raymond, one
house.

Keene, N. H.—L. P. Butler & Co., two
houses, with office, etc.

Calendars Received.

We are in receipt of calendars from the
following firms: H. Bayersdorfer & Co.,
Philadelphia, Pa; Plant Seed Co., St.
Louis, Mo.

Some French Spelling.

The *Journal des Roses* in a recent issue
attempted to give a list of some Ameri-
can prize winners at the Paris Exposi-
tion. The following is a literal copy of
the list of winners of second prizes:
"M. M. Voris Neaga, Gros Hsoif, Baier,
Arlnigline Heighils, Rive Side, E. Maud,
Harry, E. Fuller." One can guess at
Arlington Heights and Riverside, but the
"Gros Hsoif" and "Voris Neaga" are too
much for us. Can any of our readers
guess who or what is meant?

To Heat in Zero Weather.

ED. AM. FLORIST:—I have an even-span
house 22x66 feet; twelve feet to ridge; glass
ends to within three feet of the ground;
walls four feet high; south wall protected.
I wish to know whether one 2-inch steam
flow and ten 1-inch returns will keep the
house at 50° in zero weather? The house
is close to boiler and so far the results
are satisfactory. H. O. W.

So far as the amount of piping is con-
cerned there should be no difficulty in
maintaining the desired temperature.

L. R. TAFT.

Changing Pipes.

ED. AM. FLORIST:—I have two houses,
one 18x61, the other 14x36 feet. The
former is heated by the overhead hot
water system, with two 2-inch flows
and five 1½-inch returns. I wish to use
more pipes in the first and also to pipe
the latter, running the pipes under the
benches. The flows would be five feet
lower than those now in use and I wish
to know whether the circulation under
the changed conditions would be satis-
factory. FLORIST.

If the returns are upon about the same
level, and especially if the mains to the
two houses start from the heater there
should be no trouble. The higher system
always has the advantage in the flow,
everything else being equal, but this can
be regulated by means of valves. When
one system is higher than another, or is
more direct, there is often a marked
difference in the circulations if they are
both supplied from the same main, as
the water always takes the easiest
course. This is especially true when the
supply pipe to the higher or more direct
system is a large one, as practically all
of the water may go through it. Care
should then be taken that the flow and
return to the favored system is not
larger than is required to supply its
radiating surface. L. R. TAFT.

Dirty Flues.

ED. AM. FLORIST:—Kindly tell me
whether flues for small greenhouse
furnaces and stoves can be built so that
accumulations of soot and ashes can be
readily removed? I find that they choke
up quickly where the draft is almost shut
off. SUBSCRIBER.

If a brick flue is used iron "clean-out"
doors can be placed at intervals of
twenty or more feet, or it may be so
arranged that the covering course of
bricks can be taken off. In tile flues
similar doors or an occasional tee may
be inserted. L. R. TAFT.

Injury to Carnation Blooms.

ED. AM. FLORIST:—Some pest is causing
injury to the calyxes of my carnation
blooms as per enclosed samples. Please
state cause and remedy. A. K.

The injured calyxes look very much as
if they had been bitten by grasshoppers
while in the bud stage. I have had a
little experience of this kind each season
in houses with side ventilation, where the
grasshoppers could get in, but in the
course of a month they have all died or
been killed off. It is a little risky to put
any form of poison on carnations while
in bloom, on account of the habit some
people have of putting the stems of flow-
ers in their mouth. The only remedy I
can suggest would be to carefully watch
for the grasshoppers and kill them when-
ever found. ALBERT M. HERR.

American Carnation Society.

The following new carnations have
been registered with the society by the
Chicago Carnation Company, Joliet, Ill.:

Sunbeam, light pink; this is an
entirely new shade of what is gener-
ally called flesh pink; flowers of good
form, averaging three inches, borne on
stiff, wiry stems from twenty-four to
thirty inches long, free from disease and
a very strong, healthy grower; produces
more blooms per plant and bench space
than any other variety known regardless
of color.

Bon Homme Richard, white; this flower
has a fine form and at times will show the
faintest flush of light pink on the petals,
which fades out entirely as the flower
matures and even when discernible it
detracts nothing from its beauty; blooms
will average three inches, on strong,
wiry stems two and one-half to three
feet long; its habit is such that plants in
benches with from thirty to thirty
five buds on and flower spikes stand
very comfortably in the Model wire
support. It will produce fifty per
cent more blooms than White Cloud and
commands the same price when grown
under the same conditions.

Nydia, variegated; the ground work of
the flower is pure white, striped with
light salmon, which, with its splendid
form, gives an extremely beautiful effect
in a vase for decorative purposes; grand
keeper, improving as the flower ages; not
as large as Mrs. Bradt but will produce
twice the quantity of blooms; stems are
very strong, from twenty to twenty-six
inches in length, and the health and habit
of the plant are of the best.

Prolifica, cerise pink; a shade deeper
than Mrs. Lawson; average size of
blooms three to three and one-half inches,
with strong, stiff stems from two and
one-half to three feet in length; an idea as
to its freedom can be had from the fact
that representatives of the trade papers
counted on the original plant three sea-
sons ago sixteen open flowers, fourteen
large buds and an abundance of new
spikes showing below.

ALBERT M. HERR, Secy.

Packing Joints in Heating Pipe.

ED. AM. FLORIST:—I have recently
taken charge of a range of five new
houses heated by hot water, circulating
through 4-inch pipe, the joints of which
are packed with tow and cement. When
we came to fire up the joints were found
to leak very badly. I find that the
expansion and contraction of the pipes
cracks the cement and I fear we shall
have a great deal of trouble when severe

weather comes. At the worst of the leaks I have had the cement taken out and the joints closed with iron filings, etc. Please tell me of the better way.

SOUTHERN.

When properly made, iron fillings make a very satisfactory joint so far as durability is concerned. Care must be taken not to crack the bells. With long runs there is always danger that cement joints will pull apart and to lessen this the pipes should be supported every ten feet upon rollers of 1-inch gas-pipe. Many of the failures with cement joints are due to the rapid setting of the cement. It is a good plan, two or three days after the joints are made, to fill the pipes with water and if the pipes are exposed to the sun to cover the joints with wet cloths, straw or other damp materials.

L. R. TAFT.

Potatoes for the Chinese.

A telegram from Tacoma to New York reports large exports of potatoes from that port to Shanghai. Several firms have been introducing the potato to the native Chinaman, and he has seemingly liked it, for he has ordered more. It is even claimed by the Tacoma exporters that the potato may eventually vie with rice as the Chinaman's staff of life. The telegram adds that an Irish-American commercial agent was the first to urge the value of the potato upon the Chinese.

—Journal of Horticulture.

Publications Received.

CONSULAR REPORTS.—Government Printing Office, Washington, D. C., December, 1900.—Miscellaneous reports, relating largely to commerce and manufactures.

EXPORTS DECLARED FOR THE UNITED STATES.—Government Printing Office, Washington, D. C.—Returns from consular districts for the quarter ended June 30, 1900.

REPORT OF THE ILLINOIS STATE ENTOMOLOGIST.—This report, issued October 31, 1900, covers work done in inspecting nurseries, etc. under the state law.

TRUSTS AND COMBINATIONS IN EUROPE.—Government Printing Office, Washington, D. C.

ORNAMENTAL PLANTING FOR CEMETERIES.—By Edward L. Raymond.—A pamphlet upon planting for effect in cemeteries. Many suggestions for combinations of trees, shrubs and plants are given. The writer is much more in favor of the use of flowering plants than many of the modern writers on landscape work, even going to the extent of recommending the use of many greenhouse varieties of plants.

PUBLIC ADVERTISING.—By Frederick Law Olmsted.—This, Part I, Volume IV, of the transactions of the American Park and Outdoor Art Association, is the report of the committee upon methods of checking the abuses of public advertising, and was presented at the meeting held in Chicago last year. The subject is a most interesting one and is handled in a most practical and intelligent manner.

OBITUARY.

THOMAS A. WILLIAMS.

Thomas A. Williams, professor of botany at Columbia, editor of the *Asa Gray Bulletin*, and an *attache* of the U. S. Department of Agriculture, died December 23, aged 35 years.

HARRY M. KEARNEY.

Harry M. Kearney, of Medina, N. Y., died at his own hand December 29. He was 35 years of age and had passed nearly all his life in the flower business. His mother died two months ago and her loss and the breaking up of his home is thought to have weakened his mind.

CHARLES SCRIVNER.

Charles Scrivner, for the past ten years superintendent of Laurel Grove Cemetery, Paterson, N. J., died December 28, and was buried with Masonic rites on

the following Sunday. He was for some years a resident of Buffalo, being engaged in the leading cemetery of the city. His death comes as a great shock to his many friends, his demise being unforewarned, resulting from congestion of the lungs.

EDWARD LUCKING.

Edward Lucking, aged 31, of Fifth street and Fairmount avenue, Philadelphia, died on December 29, of typhoid fever, after a short illness. His death was a great shock to his many friends in the craft. He was always in good spirits, bright and companionable, and will be much missed at the meetings of the Florists' Club of Philadelphia, where he was a regular attendant. At a special meeting called by President Harris, suitable resolutions were passed and flowers ordered to be sent in the name of the club. Deceased leaves a wife and two children.

K.

Catalogues and Cut Flower Price Lists Received.

Benj. Hammond, Fishkill-on-Hudson, slug shot, paints, glass, etc.; The Gould Mfg. Co., Seneca Falls, N. Y., spray pumps; The Fraser Nursery, Huntsville, Ala., trees; O. A. E. Baldwin, Bridgman, Berrien county, Mich., fruit plants; Oscar H. Will & Co., Bismarck, N. D., trees and seeds; N. L. Willett Drug Co., Augusta, Ga., seeds; Cole's Seed Store, Pella, Ia., seeds; Alexander Seed Co., Augusta, Ga., seeds; Luther Burbank, Santa Rosa, Cal., fruits and plants.

No. TONAWANDA, N. Y.—The Florists' Supply Company has been incorporated with \$2,000 capital stock by C. J. Pult, E. T. Comstock and J. T. Hepworth.

BATTLE CREEK, MICH.—C. C. Warburton, an experienced florist, is building a greenhouse, intending to go into business for himself with the opening of spring trade.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By rose grower, married man. Address X Y Z, care Cut Flower Exchange, Boston, Mass.

SITUATION WANTED—Single, sober; general greenhouse work; artistic cut flower worker. Address C. M. BADGER, 461 Wabash Ave., Chicago.

SITUATION WANTED—By young man with four years' experience in cut flower and plant trade. Please state wages when writing. Address L A, care American Florist.

SITUATION WANTED—By all-around florist, competent to take charge; married; best of references. Please state wages. Address J. COOK, Cor. Schneider Ave. and 72d St., Oak Park, Ill.

SITUATION WANTED—By first-class all-around grower of cut flowers and general bedding stock. Single; age 34; 20 years' experience. Address GEORGE FLORAL CO., 2012 Gray Av., Evanston, Ill.

SITUATION WANTED—By a competent reliable grower of roses, carnations or mums, roses much preferred; 8 years' of excellent experience; good, strictly temperate. Private or commercial, only those with permanent positions to offer need apply. RALPH A. RICHARDSON, 1631 Fletcher Street, Indianapolis, Ind.

WANTED—Experienced rose grower, section man. Address S. J. REUTER, Westerly, R. I.

WANTED—Section man for bridesmaids and brides. Call or address BRANT & NOE, Forest Glen, Chicago.

WANTED—Boy to learn the growing of roses and carnations. State age. Address JOHN L. WYLAND, DeHaven, Pa.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Working foreman, one who thoroughly understands the growing of cut flowers and plants—particularly Am. Beauties, roses, mums, etc.—in an establishment of 65,000 square ft. of glass. Good position for competent man. Address PHILLO, care American Florist.

WANTED AT ONCE—First-class rose and carnation grower to take charge of about 20,000 square feet of glass. State wages wanted with board, washing and room; your age, how soon you could come and your telegraph address. Address JOHN L. WYLAND, DeHaven, Pa.

WANTED AT ONCE—Good all-around grower of pot and bedding plants, single sober and good moral character German preferred. Good home assured and wages according to ability. Address WILLIAM ROETAKE FLORAL CO., 1717 Gratiot St., Saginaw, Mich.

WANTED—A good steady industrious and sober man well up in all green-house and garden work. Wages \$25 per month with board and lodging. Increase of wages and steady employment to right party. Address W. H. WRIGHT, Cor. 1st East and Monroe sts., Vicksburg, Miss.

WANTED—A first-class grower thoroughly capable of taking charge of greenhouses to supply retail store in best city in southern states. Must be first-class in Beauties, Mauds, Bridges, carnations, violets, mums, etc., and have from \$2,000 to \$5,000 to purchase interest in a first-class plant just finished. Address MAOIC, care American Florist.

FOR SALE—Four greenhouses 20x100 all in good shape; also two-story dwelling one acre of land. Owner wants to go out of business on account of ill health. Address J. FULLE, DesPlaines, Ill.

FOR SALE—Excellent establishment of 4000 feet of glass, stocked with carnations and miscellaneous plants. 1 acre land, new residence, 25,000 population, in center of Wisconsin. Address C. H., care American Florist.

FOR SALE—10,000 feet of glass stocked with carnations, smilax, callas and pot plants; one and one-half acres of land, good two story dwelling; all in good shape, in suburb of Chicago. Address S L, care American Florist.

TO LET—Forty dollars per month, 7000 feet of glass nearly new, heated by hot water, dwelling house and three acres of land. The place is connected with city water and two miles from city; electric cars run near place. A fine place for vegetable grower. Can get you steady customers. I will lease or sell this place. Address R B, care American Florist.

A BARGAIN. One fine lot 80x160 with a new six-room cottage and a three-room greenhouse consisting of over 2000 feet of glass, well stocked and in good order; enough fuel to run the season. All the above for \$2,200. Owner must resign at once on account of health. No other greenhouses within thirty miles. The above is devoted to vegetables, flowers and plants, and have all sold on the home market at top prices.

JNO. N. ZACHMAN, Oregon, Mo.

For Sale.

An interest in one of the largest and most widely known floral establishments can be purchased by a live man with greenhouse experience. Located in a city of over 200,000 inhabitants in a middle state, catalogue, plant and cut flower trade established. For the right man no better opening could be desired. For particulars, address

X N, care American Florist, Chicago.

FOR SALE. Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 6 of carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of prairie, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE. GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

Lincoln, Neb.

We had very disagreeable Christmas weather, rain, snow, wind and cold. But the last of the week was bright, bringing a good cut and big demand for New Year's. Prospects are good for a big trade for some time to come and there should be no complaints. C. H. F.

SOUTHINGTON, CONN.—Walter Matthews has relinquished the management of the Plantsville greenhouses.

Wholesale Flower Markets

CINCINNATI, Jan. 3.

Roses, Beauty	25.00@75.00
" Bride	6.00@ 8.00
" Bridesmaid	6.00@ 8.00
" Meteor	8.00@10.00
" Perle	4.00@ 6.00
Carnations	2.00@ 6.00
Violets	1.00@ 1.50
Lily of the valley	4.00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Asparagus	50.00
Galax leaves	.15
Roman hyacinths	3.00
Narcissus	3.00
Poinsettias	15.00@25.00
Daffodils	4.00

St. Louis, Jan. 3.

Roses, Bride, Bridemaid	6.00@12.50
" Beauty, 12 to 20 inch stems, per doz	2.00@ 5.00
" Beauty, long, per doz	6.00@ 9.00
" Perle	6.00@10.00
" Meteor	8.00@12.50
Carnations, common	2.00@ 3.00
" choice	4.00@ 5.00
Lily of the valley	4.00@ 5.00
Smilax	12.50@15.00
Adiantum	1.00@1.50
" Kaiserin	6.00@ 7.00
Galax	.15
Violets	1.00
Stevia	1.00
Romans, Narcissus	3.00

MILWAUKEE, Dec. 27.

Roses, Beauty, long, per doz, 10	00@12.00
" " med	6.00@ 8.00
" " short	2.50@ 5.00
" Bride, Bridesmaid	8.00@12.00
" Meteor	8.00@12.00
" Golden Gate	8.00@12.00
" Perle	8.00@12.00
Carnations, ordinary	3.00@ 4.00
" fancy	5.00@ 8.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Violets	2.00@ 2.50
Stevia	1.50@ 2.00

PITTSBURG, Jan. 3.

Roses, Beauty, fancy	75.00@100.00
" " extra	60.00@70.00
" " No. 1	30.00@50.00
" " culls	10.00@20.00
" Bride, Bridesmaid	2.00@15.00
" Meteor	6.00@15.00
" Perle	4.00@ 6.00
" Cusin	6.00@ 8.00
" Liberty	10.00@15.00
Carnations, ordinary	2.00@ 3.00
" fancy	3.00@ 6.00
Violets	.75@ 1.00
Paper White narcissus	2.00@ 3.00
Romans	1.00@ 3.00
Lily of the valley	2.00@ 5.00
Lilac, white	6.00@10.00
Harrisii	20.00@25.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@75.00
" Sprengerii	.20@ .75
Galax, green and bronze per 1000	\$1.25
Dagger ferns	per 1000, 2.00
Chrysanthemums, fancy	20.00@25.00
" ordinary	10.00@15.00

DENVER, Jan. 2.

Roses, Beauty, ordinary	25 00@40.00
" " ordinary	8.00@20.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	2.00@ 3.00
" fancy	4.00@ 5.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	1.00@ 1.50
" double	1.00@ 1.50
Galax Leaves	.20
Asparagus	60.00
Smilax	18 00
Ferns, per 1000	2.50 30

J. B. DEAMUD,

.....51 Wabash Avenue, CHICAGO,

WANTS YOUR BUSINESS,

Whether it be Consignments or Orders.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Street,

ALL FLOWERS IN SEASON.

PITTSBURG, PA.

GALAX LEAVES, Brilliant Bronze or Green, \$1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A. BUNYARD, - 38 WEST 28TH STREET, NEW YORK.

ONE DOLLAR FIFTY PER 1000 FOR BRONZE GALAX LEAVES

Delivered NOW FREE, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for Ten Cents.

AMERICAN ROSE CO., Washington, D. C.

Stop Walking the Floor. You won't be disappointed if you place your orders for

SOUTHERN WILD SMILAX

With CALOWELL THE WOODSMAN CO., Evergreen, Ala. or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace." N. B. We also sell some Holly.

GALAX LEAVES!

J. L. BANNER & CO., Montezuma, N. C.

American Florist Advts.

Mean More Business.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 806 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

Please mention the American Florist when writing.

JOHN B. FERGUSON, Wholesale Florist,

NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

GALAX LEAVES

Red and green Galax, 55c per 1000.

Leucothoe Sprays, \$2.50 PER 1000.

Cash with first order. Seven years' experience. Special price to wholesalers.

J. N. PRITCHARD, Elk Park, N. C.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

BUY BOSTON FLOWERS. | THEY'RE ALL RIGHT.
 They ship well and they sell well.

The Best Quality Cut Flowers, the Finest Christmas Holly and a Full Line of Florists' Supplies. * * *

GEO. A. SUTHERLAND,

67 Bromfield St., BOSTON, MASS.

SEND FOR PRICE LIST.
 TELEPHONE 1270 BOSTON.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.
WELCH BROS., PROPRIETORS.

Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. | Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES.
 Block Letters, \$2 per 100. Script Letters, \$4 per 100. | Acknowledged by all florists the best in use. Special prices for doz. lots.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade
 With Highest Grade

**ROSES, GARNATIONS,
 CHRYSANTHEMUMS,
 VIOLETS** and all flowers the
 Boston market affords.

PRICES RIGHT AND PACKING PROPERLY DONE.

N. F. MCCARTHY & CO.,

Tel. 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing.

**Frank M. Ellis,
 WHOLESALE FLORIST,**

1402 Pine Street, ST. LOUIS, MO.
 CONSIGNMENTS SOLICITED.

**H. G. BERNING
 Wholesale Florist,**

SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.
 Please mention the American Florist when writing.

**C. A. KUEHN,
 Wholesale Florist,**

1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

**The Cincinnati
 Cut Flower Co.,**

416 Walnut St., WHOLESALE FLORISTS,
 CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Snipping Orders.

Wholesale Flower Markets

BOSTON, Jan. 2.	
Roses, Beauty, extra	50.00@75.00
" " medium	15.00@25.00
" " culls	6.00@10.00
" " Bride, Bridesmaid, Meteor	4.00@6.00
" " extra	10.00@16.00
Carnations	2.00@3.00
" " extra	3.00@4.00
Paper White narcissus, Roman	
hyacinths, tulips	1.50@2.00
Lily of the valley	2.00@4.00
Mignonette	2.00@4.00
Stevia	1.00@1.50
Violets	1.00@1.50
Lilacs	5.00@8.00
Adiantum	.75@1.00
Smilax	10.00@15.00
Asparagus	50.00
" Sprengerii	.20@.25 per bunch
PHILADELPHIA, Dec. 19.	
Roses, Tea	2.00@4.00
" " extra	6.00@10.00
" " Beauty, extra	20.00@30.00
" " firsts	8.00@15.00
Carnations	1.00@1.50
" " fancy	2.00
Lily of the valley	3.00@5.00
Chrysanthemums	5.00@20.00
Violets, single	.25@.75
" " double	.50@1.00
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.75@1.00
BUFFALO, Jan. 3.	
Roses, Beauty	40.00
" " Bride, Bridesmaid, Meteor	8.00@15.00
Carnations	3.00@5.00
Lily of the valley	4.00
Smilax	15.00@20.00
Adiantum	1.00@1.25
Asparagus	50.00@75.00
Chrysanthemums	10.00@20.00
Violets	2.00@2.50

**Woodroffe & Bernheimer,
 Wholesale Florists**

1604 LUDLOW STREET,
 PHILADELPHIA.
 Phone 1-42-69-A.
 Consignments Solicited.
 Please mention the American Florist when writing.

**LEO. NIESSEN,
 Wholesale Florist,**

N. W. COR. 13TH AND FILBERT STREETS,
 PHILADELPHIA, PA.
 LONG DISTANCE
 PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

**Geo. M. Moss,
 WHOLESALE FLORIST,**

32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-26 D.
 Consignments of Roses, Carnations, Violets solicited.

**CHAS. B. STAHL
 Wholesale Florist,**

17 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will
 receive prompt attention.
 Consignments of good stock solicited.

GIVE US A TRIAL. WE CAN PLEASE YOU.



Open day and night.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist.
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

Try the New Flower Commission House

WATERBURY & CO.,

48 W. 30th St.,
 NEW YORK CITY.

Correspondence with Growers Solicited.

I can dispose of the product of one more large Rose Grower to mutual advantage. Write now.

A. H. LANGJAHR, 19 Boerum Place, Brooklyn, N. Y.

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS.

**Walter F. Sheridan,
Wholesale Florist,**

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.

Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Telephone 2200
Madison Square.

57 W. 28th. St., NEW YORK CITY.

....LIBERTY, BEAUTY AND OTHER CHOICE STOCK....

BEST IN THE COUNTRY.

JOHN YOUNG

Has the best BEAUTIES, CARNATIONS, VIOLETS AND VALLEY in New York.

TRY A SHIPMENT OR TWO. ✪
All Choice Flowers daily.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets & Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

... 30 West 29th Street.

New Telephone No. 551 Madison Square.

**FRANK MILLANG,
CUT FLOWERS,**

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.

TELEPHONE 733-18th.

Choice Stock Shipped on a Commission.

Ross, Violet and Carnation Growers,
Consign to

M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations.

Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Jan. 2.

Roses, Beauty, select	50.00@75.00
" " medium	15.00@25.00
" " culls	3.00@ 5.00
" Bridesmaid, Bride, Meteor	2.00@ 4.00
" " select	6.00@12.00
Carnations	1.00@ 2.00
" fancy	3.00@ 5.00
Lily of the valley	3.00@ 4.00
Poinsettias	15.00@25.00
Smilax	10.00@12.00
Asparagus	25.00@40.00
" Sprengeri, per doz. bun.	.75@1.00
Adiantum	.50@ .75
Violets	.75@ 1.00
" special	1.50@ 2.00
Gardenias	25.00@50.00
Cypripediums	8.00@10.00
Mignonette	4.00@ 6.00
Paper White narcissus	1.00@ 1.50
Roman hyacinths	1.00@ 1.50

**Headquarters of the Hustler
CHAS. MILLANG,**

WHOLESALE

Commission Florist

50 West 29th St., NEW YORK.

Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.

GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th.

NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders

GEORGE SALTFORD,

Violets

... Wholesale...
Commission Dealer in

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.

...Wholesale Florists

111 West 30th Street, NEW YORK.

BIG FRAGRANT VIOLETS. 'Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,

Wholesale Commission Florist
and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street,
Telephone 1438 Madison Square. NEW YORK.
Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates

M. A. HART,
44 W. 29th St., NEW YORK CITY.

You Can Make Money
By Dealing With

J. K. ALLEN,

The Busiest Wholesaler
in New York.

Chrysanthemums, Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq.

106 West 28th Street.

Season Open

EDW. C. HORAN,

Special in
Roses:

47 WEST 28TH ST.,

Violets
'Mums
Gardenias

Tel. 421
Madison Square,

....NEW YORK.

CUT FLOWERS AT WHOLESALE.

Liberty, Pres. Carnot,
Kaiserin, Meteor,
Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
ALBERT McCULLOUGH, Pres.; F. W. BOLGIANO,
Vice-Pres.; S. F. WILLARD Wethersfield, Conn.,
Sec'y and Treas.

VISITED OMAHA: Arnold Ringier, of W. W. Barnard & Co., Chicago.

WILLIAM BARNARD, father of W. W. Barnard, of Chicago, died on Christmas day at Champaign, Ill. He was 79 years of age.

R. R. MCGILL, with W. W. Barnard & Co., of Chicago, who has been on the sick list the past three weeks, is now recuperating.

A REPRESENTATIVE delegation of wholesale seedsmen will meet again in Washington, D. C., January 7, to protest against the appropriation for free seed distribution for 1902.

The Government Seed Shop.

In a recent interview, Roland Bolgiano, of the firm of J. Bolgiano & Son, Baltimore, Md., expressed himself as follows on the free distribution of seeds by the government:

"We are determined to leave no stone unturned in showing the people that the free distribution of seed is nothing more than the use of public money for the purpose of paying off political debts. The government spends \$75,000 a year for the seed, and that represents just so much business taken from the firms who have to make a living out of the industry.

"As long as the giving of seeds was limited to spreading through the country new or little known varieties of useful plants there could be no objection and everybody was benefited. A sample of good work is to be found in the introduction of seedless oranges and a new variety of cotton in some parts of the south. This is all right, but when it comes to giving away peas, beans, corn and other things which can be purchased at any country store, then we object. With just as much reason the authorities might distribute hats and horses to the farmers.

"In view of the fact that Congress is now getting ready to help the ship business by appropriating \$10,000,000 for subsidies we think it rather inconsistent to appropriate \$75,000 to carry on a work which is seriously interfering with our equally as worthy industry."

Chattanooga, Tenn.

CHRISTMAS TRADE WAS FAR AHEAD OF THE BEST RECORD OF PREVIOUS YEARS.—GOOD STOCK TURNED OUT AT THE CROUCH ESTABLISHMENT—OTHER DEALERS DOING WELL.

The holiday business far exceeded anything in the history of the trade in this city. There was a strong demand for American Beauties; in fact, there was hardly a rose of any description to be had after noon on Christmas day. Carnations were in favor, but scarce; violets plentiful and sold well. There was good call at fair prices for hyacinths, narcissi and tulips. Small palms, ferns and decorative plants sold well. There were a number of funerals and weddings during the holiday week and between them and the usual run of business about everything in the way of cut flowers was exhausted. We anticipate a brisk demand for both plants and cut flowers until after the New Year's receptions are over.

The decoration for the Christmas ball

at the Stanton House, by Mrs. J. W. Crouch, was one of the prettiest ever seen in this city. Out at Rose Terrace Mrs. Crouch has some fine American Beauties. Her carnations, including such varieties as Ethel Crocker, G. H. Crane, Gen. Gomez, America, Melba and a few other of the later varieties, are looking well though they were benched rather late. Mrs. Crouch intends growing Beauties and carnations extensively another year.

C. Zbinden, proprietor of the Nixon Floral Co., reports trade highly satisfactory. He has been cutting some fine Perles for this season of the year. The stock at this place is looking better than in previous years. Since taking control of this place last spring Mr. Zbinden has made many improvements and contemplates others next season.

Although I have not visited John Karsten's establishment lately, judging by the numerous packages addressed to him through the local express offices the past few days, he has not been asleep.

ALEX.

New Orleans.

PAPWORTH PLANS A BIG HORTICULTURAL ESTABLISHMENT.—SECURES MANY ACRES OF FINE LAND.—CHRISTMAS TRADE IMPROVING.

We had the pleasure lately to look around a piece of land which H. Pap-

worth has just secured and on which he is going to establish a first-class southern nursery. The location is ideal, being only a few minutes' walk from the city terminus. The land is elevated, for the larger portion, starting from the Metairie ridge and sloping to Lake Pontchartrain, measuring in all about 200 acres. The soil is loamy and very rich, which is shown by a beautiful crop of vegetables which is growing on it at present. Already an order of 20,000 roses has been given by Mr. Papworth, in order to get wood enough to make his own cuttings, which he expects to make in proper time. No doubt with the experience and knowledge of Mr. Papworth, backed by ample means, the undertaking will be a big success.

Not many years ago Christmas trees and decorations were hardly in vogue in the south, being more closely identified with the Anglo-Saxon observance of the holiday season; few of our people would resort to them for the holy days. Nowadays many spruces are received from the north, the number being on the increase every year. This year the importation has been quite large, with a good demand and profitable prices. Our swamps and woods also furnish large quantities of red berried branches with a good many long needle pines. Few plants were sold.

M. M. L.

Johnson & Stokes' Seeds are grown exclusively for the most critical market garden and florist trade and are known in every large market of the United States as producers of vegetables and flowers which are the accepted standards of excellence.

Write now for our New
Quarterly Wholesale Catalogue.

JOHNSON & STOKES, PHILADELPHIA, PA.....

ESTABLISHED 1802

THORBURN'S SEEDS

SURPLUS AT REDUCED PRICES:

LILIIUM LONGIFLORUM, JAPAN. 1000
6 to 8-inches.....\$24.00
7 to 9 " 34.00

LILY OF THE VALLEY PIPS.

Largest and finest in the world,
either Berlin or Hamburg..... 10.00
In case lots (3000 in a case)..... 9.00

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. **CLOVERS**—Red, Sahling, Alfalfa, Crimson, White, Alsike, Japan, etc. **WOOD, STUBBS & CO.'S "EVERGREEN" and "SHAQY GREEN"** Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Polato
Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO.,

The Largest and Best Collection of Seeds in Ky.,
LOUISVILLE, KY.



TUBEROSE BULBS.

(Excelsior Pearl.)

Genuine Hallock dwarf strain, cured by fire heat, sound, dry, hand picked.

FIRST SIZE—F. O. B. Chicago, 4 to 6-in., per 1000, \$7.50; 3000 \$21.00.

From N. Y. City, 50c per 1000 less.

Mammoth Bulbs—6 to 8-in., per 1000, \$10.00.

Medium Bulbs—3 to 4-in., per 1000, \$3.50; 10,000 lots, f. o. b. Chicago, \$30; f. o. b. New York, \$27.50.

VAUGHAN'S SEED STORE,

CHICAGO:

NEW YORK:

84-86 Randolph St.

14 Barclay St.

BULBS!! BULBS!!

EXCELSIOR PEARL TUBEROSE
and CALADIUM ESCULENTUM.

All sizes, fine crop. Ready now. Write for prices to

John F. Croom & Bro., Growers, Magnolia, N. C.

American Florist Advt's.



**Reach all
the Trade.**

McKellar & Winterson

Wholesale Dealers in Everything for Florists.

Should You Not Receive OUR 1901 CATALOGUE, Write Us for Same.

45-47-49 Wabash Ave., CHICAGO.

150,000 STOCK PLANTS and ROOTED CUTTINGS

Now ready for immediate delivery

At Popular Prices.

ROSES—Brides, Bridesmaids, Meteor, Perle, Kaiserin and Golden Gate. Big strong rooted cuttings \$1.50 per 100; \$12.50 per 1000. Any quantity from now on.

CARNATIONS—Strong healthy cuttings, well rooted, in any quantity, embracing the 25 choicest varieties in cultivation. See our list and prices.

GERANIUMS—Bruanti, Heteranthe, Grant, S. A. Nutt, Beute Poitevine, Mrs. E. G. Hill, Athlete, La Favorite, White Swan, Mrs. J. M. Garr, Mme. Jaulin, Frances Perkins and other varieties, strong 2 1/2-inch plants \$2.50 per 100; \$22.50 per 1000. Strong rooted cuttings of above, ready for 2 1/2-inch pots, \$1.50 per 100; \$15.00 per 1000.

COLEUS—Our champion collection, embracing the newest sorts and only those of decided merit. All bright colors, clean and healthy. Strong plants, from 2 1/4-inch pots \$1.50 per 100. Strong rooted top cuttings, fine ones, ready for 2 1/2-inch pots, 75 cents per 100; \$6.00 per 1000.

VERBENAS—New Mammoth and 20th Century Collection, 25 grand sorts, 2-inch and 2 1/4-inch, strong, healthy plants, green as grass, full of cuttings, \$2.00 per 100; \$18.50 per 1000. Rooted cuttings, big ones, as clean as a whistle, 60 cents per 100; \$5.00 per 1000.

PETUNIAS—Double Fringed. Henderson's and Dreer's latest sorts, including also White Fawn, Mrs. Sander and Pink Perfection. Large rooted cuttings ready for 2 1/4-inch pots, \$1.25 per 100 by mail; \$10.00 per 1000 by express. Pure white only, \$1.50 per 100.

NEW AGERATUMS—Stella Gurney, the grand novelty of 1900, and Snow Drift, the peerless white, strong 3-inch stock plants full of cuttings, 50c per dozen; \$3.00 per 100. Strong rooted cuttings \$1.00 per 100. Louise Bonnat, latest novelty in white, and Princess Pauline, latest blue, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 60c per 100, (special).

NEW SALVIAS—St. Louis and Splendens, strong 2 1/4-inch, \$1.50 per 100; strong R. C., 75c per 100, (special).

MARGUERITES—New California Giant White and New Golden, strong 2 1/4-inch, \$2.00 per 100; strong R. C., \$1.00 per 100.

CASH WITH ORDER.

South Side Floral Co., Springfield, Ill.

XXX SEEDS

VERBENA GRANDIFLORA—Finest Giant vars. grown, in best mixture, 800 seeds, 50c.

CHINESE PRIMROSE—Finest known, large flowering fringed, fifteen vars., single and double, mixed; 500 seeds \$1.00; half pkt., 50c.

PANSY, FINEST GIANTS—Extra fine; the best of the mammoth flowering varieties, mixed; 3500 seeds, \$1.00; half pkt., 50c.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

500,000 VERBENAS.

60 finest named varieties, including our NEW MAMMOTH WHITE, "MRS. MCKINLEY." The finest white verberna grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; \$5.00 per 1000. Plants, \$2.50 per 100; \$20 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

TELEGRAPH CODE

OF THE
AM. SEED TRADE ASSOCIATION

\$2.00,
In either stiff or flexible cover. ADDRESS ORDERS TO
AMERICAN FLORIST CO., CHICAGO.

NEW CROP FLOWER SEEDS

FOR PRESENT SOWING.

	Tr. pkt.	Oz.
Ampelopsis Veitchii.....	.10	\$.15
Antirrhinum, Giant flowered, mixed.....	.10	.25
" Pure white.....	.15	.30
Bellis Perennis, (Double Daisy)		
Vaughan's Mammoth, mixed		.25
1-16 oz. 40c.....	.25	
Mammoth Daisy, white 1-16 oz. 50c	.25	
" pink.....	.25	
Longfellow, 1/8 oz. 35c.....	.15	2.00
Snowball, 1/8 oz. 40c.....	.15	2.50
Fine mixed, 1/8 oz. 25c.....	.10	
Browallia, mixed.....	.10	.50
" New very large flowering		
blue.....	.25	
Candytuft Giant Hyacinth flowered, pure		
white.....	.10	\$.60
Candytuft Empress.....	.10	.20
Clematis Panicala.....	.15	.75
Lobelia, Bedding Queen. The best		
Lobelia for carpet beds,		
borders and pots.....	.25	
" Crystal Palace Compacta.....	.15	1.50
" Speciosa, for hanging baskets	.10	.75
Maurandya, mixed, 1/4 oz. 40c.....	.15	1.25
Barclayana.....	.25	
Mignonette, Machet.....	.10	.50
" May's Giant.....	.25	1.75
Petunia, Vaughan's Best Mixture.....	.50	
The best mixture of large-flower-		
ing varieties in existence.		
Petunia, Giants of California, mixed		
1-32 oz. \$1.25.....	.50	
Salvia "Drooping Spikes".....	.15	2.00
One of the best for florists' use.		
Salvia Clara Bedman.....	.25	2.50
Stock, Snowflake, forcing, the earliest		
white Ten Week, 1/2 oz. \$1.00.....	.25	
" White Perfection "Cut and		
Come Again", 1/2 oz. 45c.....	.25	
" Large Flowering Ten Week in		
7 distinct colors, 7 pkts. for \$1.25	.25	
" Extra choice mixed.....	.25	
Smilax, new crop, lb \$3.00.....	.10	.30
Thunbergia, mixed.....	.10	.35
Torenia Fournier, blue.....	.25	
" Fournier Compacta.....	.20	
" White Wings.....	.15	.60
Vinca Rosea, pink.....	.15	.60
" Alba, white with eye.....	.15	.60
" " Pura, pure white.....	.15	.60
" " mixed.....	.15	.60

SWEET PEAS.

Four of the best and most profitable varieties for florists' use:

	Oz.	1/2 lb	lb
White, Emily Henderson.....	\$.05	\$.10	\$.30
Pink, Prima Donna.....	.10	.20	.60
Lavender, Countess of Radnor.....	.05	.12	.40
Pink and White, Blanche Perry,			
Extra Early.....	.05	.10	.30

VAUGHAN'S SEED STORE,

CHICAGO:
84-86 Randolph Street.



NEW YORK:
14 Barclay Street.

PRIMROSES.

	Per 100
1000 Chinese mixed, 2-in. pots.....	\$1.00
Asparagus Sprengerii.....	2.00
Alternanthera, red and yellow, February 1st.....	2.00
Geraniuma, my selection.....	3.00
Wanted, 10,000 Seeds Asparagus Plumosus Nanus.	

Cash. JOS. H. CUNNINGHAM, Delaware, O.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

PANSY.

Vaughan's "International" received the only reward for Mixed Pansies at the World's Fair. It is today better and more complete than ever. It contains the cream of the stock of ten Pansy specialists. There is no better mixture in existence, as all of the florists who saw or used it can tell you. Price, per oz., \$10; 1/2 oz., \$5; 1/4 oz., \$1.50; trade pkt., 50c.

Vaughan's "Giant Mixture." If you want large flowers this is the mixture to buy. Oz., \$4; 1/2 oz., 60c; trade packet, 25c.

Chicago Parks Bedding Mixture, oz., \$1; 1/4 oz., 30c; trade pkt., 10c.

VERBENA.

Vaughan's Best Mixture. Our grower, to whom we sent some of this mixture last year, reports it to be the finest he has ever seen. It includes the Mammoth-Flowered strains of three celebrated Verbena specialists, the beautiful and dazzling Defiance, the Snow-White, Purples, Striped, and all the Auricula-Flowered varieties, with their large umbels of white-eyed flowers, the new giant striped and the Fordhook Mammoth Verbenas. We feel perfectly safe in stating that this mixture of Verbenas will eclipse every strain offered by any other house. Oz., \$2; 1/4 oz., 50c; trade pkt., 25c.

Mammoth Mixed, trade pkt., 15c; oz. \$1.00.
" White, trade pkt., 15c; oz., \$1.25.
" Pink and carmine shades, trade pkt., 25c
" Mayflower, best pink, trade pkt., 25c

100 seeds, 1000
Asparagus Plumosus Nanus..... \$1.00 \$8.50
" Sprengerii..... .50 3.00
Write for prices on larger lots of above two varieties.
" Decumbens, 25 seeds 60c, \$2.00 per 100

Following is extract from last issue American Florist: "L. Korpp has a nice stock of Asparagus decumbens from which he is cutting sprays. Wienhoeber and Samuelson are using them with good effect in nice work that requires a light, airy green."

Cyclamen Persicum Giganteum. We have sold this strain for several years 100 1000 and find it to be very fine.

Giganteum, Mont Blanc, white.....	\$.75	\$5.00
Deep Crimson, very large.....	.75	5.00
Rosa von Marienthal, pink.....	.75	5.00
White, Carmine Eye.....	.75	5.00

Giant Flowered Sorts, best mixed,
1/2 oz., \$1.50..... .50 4.50
Musa Ensete (Banana plant)..... 1.00 8.00

XXX STOCK.

Cyclamen Persicum Splendens Giganteum, from 3-in. pots in bud, \$7.00 per 100, \$65.00 per 1000.

Geraniuma, Dbl. Grant, Alphonse Riccard, John Doyle, Bruanti, B. Poitevine, Floire de France, Griffith, La Favorite, S. A. Nutt, strong plants from 2 1/4-in. pots, \$3.00 per 100, \$35.00 per 1000.

Begonia Rex, (rooted cuttings), in 15 standard varieties, labeled, \$2 per 100; mixed, \$1.50 per 100. I solicit your patronage and guarantee satisfaction

PAUL MADER, E. Stroudsburg, Pa.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
 TREV. J. SMITH, Pres.; N. W. HALE, Vice-Pres.;
 GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

EVERY nursery is preparing for a record breaking delivery of stock next spring.

FRED. WELLHOUSE has been elected president of the Kansas State Horticultural Society.

It is said that the original tree of the Sudduth pear is standing near Williams-ville, Ill., and that it is nearly 80 years of age.

AT Dayton, Ohio, Nic Ohmer has been elected president and N. H. Albaugh vice-president of the Montgomery County Horticultural Society.

TREE planting is progressing apace in Iowa and it is predicted that within the next few years the area covered by shelter belts and orchards will be one-fourth the total area of the state.

AT Nashville, Tenn., on December 27, J. I. and A. W. Newton, proprietors of the Cumberland Nurseries, made a voluntary assignment to the Nashville Trust Company. The liabilities are estimated at \$64,000, Brewer & Stannard, Ottawa, Kans., being the largest creditors in the trade, with a claim of only \$434. It is thought the assets will about cover the liabilities.

Augusta, Ga.

The weather has been extremely mild and favorable for outdoor planting. About the middle of November we had a killing frost which hardened up all stock. There have been very few rainy days to interrupt work until the holidays, when for several days it rained heavily. Demand for nursery stock, palms and plants for house decoration has been unusually heavy. The outlook for large spring trade was never better. Heavy plantings of peach and plums for commercial purposes are being made in the peach belts of the state. The estimated plantings of peaches for commercial purposes this year is two million trees. The P. J. Berckmans Company shipped seventy large cases of nursery stock to South Africa in December.

The state authorities, recognizing the great benefit derived from the Entomological Department, granted an additional appropriation of \$2,500 a few days since. Our state entomologist, Prof. W. M. Scott, is a most efficient and wide-awake official.

Several shipments of nursery stock infested with San Jose scale were recently smuggled into the state without the Georgia state tag but these infested shipments were seized and destroyed, according to law. The railroad officials are working in conjunction with our entomologist.

Moving Large Trees.

In the issue for December 22 "C. B. W." gives an illustration and description of the method employed in moving a large tree. Anything in the way of moving large trees successfully is always of interest to me, as I have done a great deal of this work, many trees moving very successfully, while others remained in a stunted state for several years. I used the most approved tackle then in use for the purpose. "C. B. W." gives the dimensions of the ball of earth which was moved

in this case as 12x18x3 feet. Such a mass of soil would require some heavy timbers. If "C. B. W." would give a little more information I think it would be very interesting to many. For example, how many men were employed on the job? How long did it take from start to finish? How many feet of lumber did it require and at what price per thousand feet? Say the string piece or main timber was 12x12 inches and twenty-four feet long, and at that size it would have to be almost clear, as in the jacking-up it would be very trying if there were large knots in the timber. I think we might put the price of lumber clear enough for the purpose, that size and sizes, even if Norway pine, at \$20 per 1,000 feet. Then to box in the whole ball, say beneath the ball with 4x12 inch planks, eighteen feet long; sides with 2x12 inch stuff, eighteen feet long; ends with 2x12 inch stuff, twelve feet long, as this length could be obtained at the lumber yard, there would be no cutting to waste. The lumber could be used several times if there were several trees to move, but if there was only one tree the lumber would be quite an item. Then the bolting together adds to the cost, which I should like to see figured out. I would also like to ask "C. B. W." if he is not afraid of the wind splitting such a tree, as is shown in the illustration, after being protected by a large maple, then to be placed in an unprotected position? Perhaps he is in a more favored locality than ours, where he does not get the full benefit of the northwest winds.

S. TAPLIN.

POUGHKEEPSIE, N. Y.—M. J. Lynch had no difficulty in getting a prompt settlement with the insurance company after his recent fire and at once went to work rebuilding.

Denver.
 IDEAL WEATHER FACILITATED THE HANDLING OF A SPLENDID HOLIDAY TRADE.— EXCELLENT SUPPLIES OF CUT FLOWERS AND PLANTS.

Again we have passed one of the busy seasons and this year it proved a very successful one in every respect. All the florists report the largest business in the history of Denver. Ideal whether prevailed, with an abundance of flowers and flowering plants, the latter being exceptionally fine. Azaleas, poinsettias and lilac were the most plentiful, with a very good showing in cyclamens, prices ruling about the same as in former years. Owing to the bright weather violets seemed to be a little more plentiful than before, and much better in quality. There was a scarcity in some quarters in greens, but we fail to see that it was to any disadvantage, as it enabled the retailers to better care for plant and cut flower trade.

Mrs. R. Manff, the Park Floral Company and the Colfax Avenue Company are the leaders in the plant line, while the cut flower growers in the suburban districts did their share to give Denver the best stock ever seen here at this season. Very little was shipped in, as in former years, it having been proven that stock shipped from distant points is very unsatisfactory, both to dealers and customers.

The Christmas season just passed also showed a marked improvement in store and window decorations. On Christmas morning, after everyone was about as tired as could be, the Park Floral Company made a beautiful window of violets and birch bark, while those of the Thies Floral Company and Glauber & Webb were in green and red, both using poinsettias and red ribbon to very good effect.

C. J. T.

H. P. ROSES.

2-year-old stock now ready, in 15 best kinds.

Budded.....Per 100, \$11.00. Own Roots.....Per 100, \$13.00.

MRS. SHARMAN CRAWFORD..... }
 KAISERIN AUGUSTA VICTORIA..... } Strong, budded stock,
 MADAM CAROLINE TESTOUT..... } \$15.00 per 100.
 AMERICAN BEAUTY..... }

CRIMSON RAMBLERS.

Own roots, well branched.....Per 100, \$15.00
 2 year, budded, 3-4 feet, well branched..... " 15.00
 3 year, budded, 4-5 feet, well branched..... " 18.00
 3 year, O. R. 3-4 feet, well branched..... " 18.00
 White, Pink and Yellow Ramblers, 2 year, strong..... " 15.00
 HERMOSA ROSES, 3 year, Holland grown..... " 13.00
 " 2 year, French grown..... " 8.00

Hardy Azalea Amoena, fine for Easter Forcing, 12-inch heads.....Per dozen, \$5.00
 Azalea Mollis, 15-20 buds..... " 4.00
 Deutzia Hybrida Lemoinel, dormant, pot-grown, for forcing.....Per 100, \$20.00, " 3.00
 Deutzia Gracilis, for forcing..... " 10.00
 Hydrangea P. G., 3-4 feet, well branched..... " 10.00

PARSON'S RHODODENDRONS. Best named sorts for forcing.
 bushy plants with 8 to 12 buds, in any color.....Each, 75 cts. " 8.00
 Clematis Jackmanni and others, 2 year..... " 3.00

LILACS, pot-grown, for forcing, strong plants, 7-inch pots, 18-24 inches high, well branched and full of buds, in two sorts, Charles X, and Marie LeGray.....Each, 75 cts. " 7.50

BOX TREES.

Beautiful, Shapely Plants in fine condition. Each. Dozen.

Plants, bush form, 12-15 inches high, 6-7 inches in diameter.....\$.25 \$ 2.50
 " " 26-28 " 12-14 " " " .50 6.00
 " " 4 feet high " 24-30 " " " very fine 2.00 24.00
 Pyramid shape, 4 " 18-20 inches at base..... 3.00 24.00

Vaughan's Seed Store,

Greenhouses, Western Springs, Ill.

84-86 Randolph St., CHICAGO.

Send to THE MOON Company
 For { Trees, Shrubs, Vines, and Small Fruits.
 Descriptive Illustrated Catalogue Free.
 THE WM. H. MOON CO.,
 Morrisville, Pa.

Maples NORWAY SUGAR.
 From 1 to 3-inch caliper, also one-year seedlings. Write for price list.
 SAMUEL C. MOON,
 Morrisville, Bucks Co., Pa.

NEW ROSE ROBERT SCOTT.

PRICES	
of Robert Scott Rose.	
OWN ROOT.	
1 plant	75c.
12 plants	50c each.
50 plants	35c each.
100 plants	30c each.
1000 plants, \$250; 500 at same rate.	
GRAFTED PLANTS.	
1 plant	\$1.00.
50 plants	70c each.
100 plants	40c each.
1000 pl., 35c each; 500 at same rate.	

Produces a Sure Crop of Pink Hybrid Roses for Christmas.

A seedling from Merveille de Lyon crossed with Belle Siebrecht, retaining the size, form, color, and growth of the Hybrid Perpetual, with the everblooming qualities of the Tea Rose. This new rose is practically an Everblooming Hybrid, and the first of a type that will not only flower profusely during the spring and summer, but will flower during the winter. It has no tendency to go dormant during the winter, and every shoot has a flower bud. The habit of growth is strong and vigorous, with bright green foliage. The buds are of large size, and are produced on stiff stems with the heavy hybrid foliage almost up to the bud, like its parent—Merveille de Lyon. The open flower is of immense size, very double, and is almost as beautiful as the half expanded bud. The color is new in Everblooming roses, and is only seen in the Hybrid Perpetual class. Clear rosy pink, shading to flesh color on the outer petals. Robert Scott will not only be a very welcome addition to our small list of forcing roses, but is everybody's rose. Awarded honors wherever shown. Certificate of Merit and Silver Medal by Pennsylvania Horticultural Society. Preliminary Certificate of Merit by American Rose Society. Certificate of Merit in Ireland.

We have decided to propagate only a limited number of plants. Intending planters should place their orders at once. We offer both grafted and own root plants for March and April delivery.



All Retail Florists Admire Robert Scott Rose, and want it, for there is no other rose of a delicate Laing-Luizet color that will flower in November, December and January. All our cut of this rose has been purchased by Mr. H. H. Battles, of Philadelphia.

The Leading Rose Growers endorse it. We give a few of the letters received from prominent growers who have seen it growing at Sharon Hill:

SUMMIT, N. J., December 26, 1900.
MR. ALEX. B. SCOTT, Sharon Hill, Pa.

DEAR MR. SCOTT:—Yours of the 24th received enquiring for my opinion of new Rose Robert Scott. This beautiful rose has in my opinion a grand future; its large size, elegant form, and lovely color, combined with exceedingly free blooming qualities, will make it the business man's rose to grow where fine flowers are wanted the year round.

Yours very truly,
JOHN N. MAY.

WYNDMOOR, PA., December 27, 1900.

MESSRS. ROBT. SCOTT & SON, Sharon Hill, Pa.
GENTLEMEN:—It gives me great pleasure to be able to say a good word for your new rose "Robert Scott." I am very favorably impressed with it, because it is of that delicate pink color which was always a favorite of mine, and its free blooming qualities as seen a short time ago at your greenhouses indicates that it will be a profitable variety for the grower, and being of large size, of the regulation hybrid remontant shape, in addition to its beautiful color, will make it popular with flower buyers in general. I congratulate you most heartily on your good fortune in the possession of such a rose, and the public at large is also entitled to congratulations in having a new-comer among roses, which will be a desirable change among pink roses from the few varieties now offered for sale to be selected from.

Very truly yours,
EDWIN LONSDALE.

RICHMOND, IND., Dec. 27, 1900.
MESSRS. ROBT. SCOTT & SON,
Sharon Hill, Pa.

GENTLEMEN:—In regard to the Rose Robt. Scott, the general make up of this new rose is so nearly like the famous Baroness Rothschild that there is certainly a large place for such a variety. Its continuous blooming qualities and its fine foliage and the fine tone of color all lend value to the variety. You will certainly find a good sale for what may be termed a free, continuous blooming Baroness Rothschild. Yours truly,
THE E. G. HILL CO.

Address _____

ROBERT SCOTT & SON,

Sharon Hill, Del. Co., Penn.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

Monday evening, being New Year's eve, the bowling contingent was busy on their own alleys making as many strikes as possible. The two veterans, Alex. Burns and Lawrence Haffner, however, took advantage of this to put in a few practice games and bowl the old year out and the new year in. Up to this writing their modesty has, however, prevented them making a report of their scores, which is causing the captain much worryment.

At West Hoboken.

The score here recorded should go a long way toward locating the Hudson county aggregation in the dangerous list. Like the Dutchman's dog, they are not saying much but are keeping up the rest of it and next summer may have to be reckoned with at Buffalo.

Player	1st	2d	3d	4th
Dietz	134	167	190	183
Brown	235	156	137	135
Baumann	113	118	120	109
M. Hansen	171	159	155	168
Tschupp	96	105	113	122
Birnie	135	136	128	124

At Philadelphia.

Following is a newspaper clipping reporting a match which rounded to the glory of our club. It was played January 1: "A. Hamilton, the crack bowler of the Florists' Club, won a notable victory over Warker, of the Century Wheelmen, at the Pencoyd Club, yesterday. The match was for a side bet and the championship of Philadelphia, the best three games out of five to decide. Hamilton won three straight games, with a handsome margin to spare in each. The Pencoyd Club alleys are new and in splendid condition, so that the match was decided distinctly on its merits. The score:

	1st	2d	3d	T ¹
Hamilton	226	215	183	624
Warker	182	159	164	505

These scores break the record for the Pencoyd alleys, and, in fact, on any Philadelphia regulation alleys for three consecutive match games."

There will, now that the holiday business is over, no doubt be a number of matches arranged, as the prowess and skill that is going to waste is something appalling. A great time there was on January 1, nearly all the games bowled being sweepstakes. There was not much gained or lost, however, as it was handicap bowling and things were pretty even. The December averages follow:

Player	Av	Player	Av
Johnson	175	Dunham	151
Hamilton	173	Anderson	149
Moore	169	Baker	147
Moss	168	Adelberger	146
Kuestner	158	Kift	146
Allen	157	Connor	143
Bonsall	156	Barnes	137
Westcott	154	Eimerman	136
Archer	153	Watson	135
Harris	151		K.

WEST GROVE, PA.—William M. Mumm, formerly with a Buffalo paper, has taken charge of the floral publications of the Dingee & Conard Company.

Lowell, Mass.

EVERYONE HAS A GOOD WORD TO SAY FOR THE BUSINESS AT HOLIDAY TIME.—ALL STOCK WAS GOOD, THOUGH NOT VERY PLENTIFUL.—EVERYTHING SOLD WELL—SEEN HERE AND THERE.

Christmas trade here was very good, among the best for recent years. There was not an over-abundance of flowers, but what there was were very good, none of them pickled. There were flowering plants in plenty, and both plants and flowers brought good prices. Greens of all kinds were in good supply and sold well, considering that almost everybody was handling them. One of the local societies hired an empty store about two weeks before Christmas and did a rushing business, and yet they expect the florists to give them advertisements for the programmes of their concerts and for their cook books.

Marshall had a gang of men making up trimming. They made all their own at this establishment, and the window looked pretty, arranged with ferns and poinsettias. Patten's and Burt's stores are side by side and during Christmas week it was a miniature forest in front. Burt had his windows whitened, all but a circle in the center, and then inside were some candelabra with candles lit, the decorations consisting of purple and white crepe paper, with a few ferns. Patten's window loomed up alongside, filled with everything that was bright. A large batch of Gloire de Lorraine begonia, artistically arranged in the center, made a pleasing effect. Christmas trade at this establishment was beyond expectations. The covers of all the cut flower boxes sent out by Patten were decorated with a branch of holly.

One of Wm. Hodges' little boys met with a painful accident the other day. The little fellow bit his tongue in two. A physician was called and sewed up the severed member, but it is feared the lad will have an impediment in his speech. Mr. Hodges is a grower for H. B. Greene.

This is the first year for Gloire de Lorraine in this town and they went like hot cakes. The weather being fine, the plants were sent out without being wrapped, which is a blessing at such a time.

McManmon had all he could attend to and he was perfectly satisfied with his Christmas trade.

H. B. Greene disposed of a plenty of flowering plants. He reports trade the best he ever had.

A. M.

Albany, N. Y.

HOLIDAY WEEK NOTABLE FOR THE FREQUENCY OF SOCIAL EVENTS.—A NUMBER OF GOOD DECORATIONS.—LOCAL TRADES-PEOPLE HAVE ALL THEY CAN DO.

The past week has been notable for society events by which the florists profited considerably. On Thursday evening, December 27, J. P. Ord, general manager of the Edison works at Schenectady, gave a ball at the Ten Eyck, in honor of Miss Mary Hun, one of the season's debutantes. H. G. Eyres had charge of the decorations, which were superior to any seen in this vicinity in many years. The corridor leading to the ball room was decorated with southern smilax, needle pine and poinsettias. The reception room was decorated with Scotch heather in pots, large kentia palms, Roman hyacinths and Easter lilies. The ball room was decorated with kentia palms grouped in masses, Christmas green and laurel roping. A huge branch of mistletoe was suspended from the middle of the ballroom ceiling

by means of frosted crimson ribbon. Potted Scotch heather, holly and red carnations were used to decorate the diningroom tables, which were set for 280 covers. The floral decorations cost \$500.

Dr. F. J. H. Merrill, state geologist, gave a reception at his home on Washington avenue on Friday evening, December 28, to the members of the Geological Society of America, which held its winter session in Albany, December 27 to 29. The decorations were holly wreaths, laurel wreaths tied with crimson ribbons, bunches of holly, Christmas green and carnations.

The inauguration of Governor Odell took place on New Year's day and the opening of the legislature the day after. These events help business greatly during the winter. The florists of Albany have at present all the work they can do.

F. A. Danker had charge of the decorations at the ball of the Adelpi Club given in Odd Fellows Hall on the evening of January 1. R. D.

Buffalo.

THE HOLIDAY TRADE WAS SATISFACTORY TO ALL CONCERNED.—GOOD STOCK BROUGHT FINE PRICES AND SEVERAL ITEMS WERE SCARCE.—NOTES.

Christmas and New Year's left everyone satisfied. Stock was not as plentiful as in other years, especially violets and carnations, which brought good prices, the former even more than they were worth, causing some to get left on a few. Violets at from \$4 to \$6 per hundred is a pretty high price. Poinsettias found ready sale in pans at from \$2 upward, and other plants sold very well. Primroses were asked for but not many were to be had. Carnations were also scarce and of fair quality, fancies bringing \$1.50 per dozen. Holly was decidedly a glut on the market and sold at all prices. Grocers who object to hucksters selling their goods were the biggest opponents to the florists. Receptions last week and the week before have been very numerous and Palmer has put up some fine decorations. While everyone shared in the business, he had the largest orders.

The windows of Palmer and Adams were the talk of Buffalo, as they were entirely new and very attractive. Rebstock carried out the idea of stars, etc., in immortelles, while Anderson's was ferns and assorted flowers.

Kasting has been very busy with his wholesale trade and trying to catch the robbers who entered his house on two different occasions, getting about \$600 in all in silverware.

Anderson has been receiving congratulations on a fine boy who arrived at his house on Christmas morning. W. A.

Quincy, Ill.

Christmas trade here was the best for years, cut flowers and blooming plants being in equal demand. The demand for roses and carnations far exceeded the supply. Heckenkamp's carnations, consisting mainly of Flora Hill, Crane, Crocker, Lord and Jubilee, are fine and were in their prime for the holidays. Gentemann also had a fine lot of carnations and lily of the valley. Gross was in it on roses.

Ernest Maag has sold out his business to Jos. Kroner, a young man raised in the business by Heckenkamp. He is a hustler and has things in good shape. H.

Nephrolepis Wittboldii

WILL SOON BE GROWN AND OFFERED FOR SALE BY

ALL THE LEADING FLORISTS



NEPHROLEPIS WITTBOLDII—"The Great Fern of the Future."

NEPHROLEPIS WITTBOLDII reproduces so rapidly that we are able to assure every purchaser of strong plants, ready for 3 and 4-inch pots, \$1.00 each; \$10.00 per dozen; \$75.00 per 100.

WE have already supplied a majority of the large growers with stock. Owing to its rapid growth and wonderful reproductive qualities our fern will be as profitable to florists as the Boston fern has been. At the same time NEPHROLEPIS WITTBOLDII has a robust yet graceful appearance which attracts public favor. It has the enduring qualities necessary to hold its popularity when subjected to the trying conditions of the average living rooms.

Many of the large growers of the Boston fern who received stock of NEPHROLEPIS WITTBOLDII when it was first sent out in September, are re-ordering in larger quantities, a sure evidence that it has found favor with them. Here is a sample order:

NEWARK, OHIO, Dec. 27, 1900.
THE GEO. WITTBOLD CO., Chicago, Ill.
GENTLEMEN:—Please ship to me as soon as possible 300 more of your NEPHROLEPIS WITTBOLDII.

The plants I received from you a short time ago are doing so nicely that the more I see of them the more I am convinced that NEPHROLEPIS WITTBOLDII is the great fern of the future, and I feel that I cannot get too heavy a stock. I know that every enterprising florist will purchase a stock of it as soon as he sees what a grand decorative plant it will make.

Wishing you a prosperous New Year, I remain
Yours very truly,
A. J. BALDWIN.

The GEO. WITTBOLD CO.,

PALMS AND FERNS.

1657 Buckingham Place, CHICAGO, ILL.

GRAND OFFER, FINE PLANTS, NONE BETTER.

ARECA LUTESCENS.

Size pot.	Height.	Each.	Doz.
4-inch	18 3 in pot	.30	3.50
5-inch	20 to 24	.60	
8-inch	36	2.50 to 3.00	

KENTIA BELMOREANA.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch	3 to 4	12 inch	\$.20	\$ 2.00
4-inch	5 to 6	15	.50	5.50
6-inch	8 to 10	24	Fine bushy plants, \$2.00 ea.	
6-inch	7 to 8	30	2.50 ea.	

KENTIA FORSTERIANA.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch	3 to 4	9 to 10	\$.30	\$ 3.00
4-inch	4	15 to 18	.40	4.00
6-inch	5 to 6	40	2.75	30.00

LATANIA BORBONICA.

Size pot.	Leaves.	Height.	Each.	Doz.
3-inch	5 to 6	12 inch	\$.15	\$ 1.50
4-inch	5 to 7	15 to 18	.25	3.00
6-inch	6 to 8	24 to 30	1.00	12.00
6-inch	6 to 8	30	1.50	16.00
6-inch	7 to 8	30	2.00	bushy

COCOS WEDDELIANA.

Size pot.	Height.	Each.	Doz.
3-inch	12 to 14	\$.20	\$2.40

BOSTON FERNS.

Size pot.	Each.	Doz.	100
3-inch	\$.20	\$ 2.00	\$15.00
4-inch	.35	4.00	
5-inch	.75	8.50	
6-inch pot or pans.	.75	9.00	
6-inch " " bushy	1.00	12.00	
7-inch " " " "	1.50	18.00	
8-inch " " " "	2.00	21.00	
9-inch " " " "	2.50	27.00	

FICUS ELASTICA.

Size pot.	Height.	Each.	Doz.
6-inch	24 to 30	\$.75	\$9.00
6-inch	30 to 34	1.00	12.00
8-inch	48	1.50 to 2.00	

REX BECONIAS.

Size pot.	Each.	Doz.	100
3-inch	\$.10	\$1.20	\$10.00
5-inch	.20	2.25	18.00

ASPARACUS SPRENCERII.

Size pot.	Each.	Doz.	100
3-inch	\$.60	\$ 5.00	
6-inch	\$.35	4.00	25.00

DRACÆNA INDIVISA.

Size pot.	Each.	Doz.	100
5-inch	\$.35	\$ 4.00	\$25.00

CYCLAMEN PERSICUM CIGANTEUM.
2½-inch at \$4.00 per 100; 6-inch at 40c each, \$4.50 per dozen; 7 and 8-inch pans, 75c each, \$8.50 per dozen. These plants are nicely budded.

Dracæna Bruantii, \$1.50 each, \$18 per dozen.
Dracæna Massangeana, \$2 each, \$24 per hundred.
Dracæna Lindenii, \$1.50 each, \$18 per dozen.
Dracæna Terminalis, 50c each, \$6 per dozen.
Small Ferns, Adiantum Cuneatum, 3-inch pots, \$6 per hundred.

Mixed Ferns, 3-inch pots, \$6 per hundred.
Cyperus Alternifolius, 3-1c. pots, \$5 per hundred.
Hydrangea, Otaksa, 6-inch pots, \$10 per hundred.
Extra fine for Easter forcing.

Jerusalem Cherry, nicely berried, 6-inch pots, bushy, 40c each.

Gausperleptha!

A sure remedy for carnation rust, stem rot and black spot on roses. Spray your plants with GAUSPERLEPTHA and get rid of these greatest of evils. Having discovered and used this preparation for a number of years, I have repeatedly been asked to place it on the market for the benefit of all concerned. It is a sure remedy and has never failed to keep plants clear by constant application. One gallon diluted makes 130 gallons. It is perfectly harmless to plants and gives them a rich, glossy foliage. Directions with every can. NO FLORIST SHOULD BE WITHOUT IT. Price per gal., \$2.00. Special prices on larger quantities. We guarantee Gausperleptha to do all we claim for it.

Cut Flowers, Palms and Plants.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

C. H. RONEY, Supt.

Montreal.

THE BUSIEST CHRISTMAS ON RECORD — CUT FLOWERS INADEQUATELY AVAILABLE. — POPULARITY OF FLOWERING PLANTS. — HIGH PRICES PREVAIL. — EXPERIENCES OF THE RETAILERS

As predicted, Montreal enjoyed the busiest Christmas on record. Growers and retailers are unanimously satisfied, especially the retailers. Flowering plants were in great demand and anything good was disposed of. In the plant trade azaleas were the leaders, poinsettias next. Boston ferns were also in great demand. The unfavorable weather for the past two months was responsible for the scarcity of azaleas and cut flowers. This might account for the high price paid for the latter. Roses in general were in good demand, and commanded from \$4 to as high as \$18 a dozen for American Beauties. Carnations sold well at \$1 to \$1.25 a dozen. Violets, which were in rather short supply, brought \$1.25 a bunch. Paper Whites, Romans, mignonette and lily of the valley sold quickly. A tour of the leading retail stores showed what an enormous stock Montreal trade can dispose of. All their windows were in their best attire.

Miss Murray found the supply of cut flowers too short and told me it was the best Christmas she ever witnessed. She had a good choice of plants. I may say here that J. Murray, who is afflicted by paralysis, is kept interested in the trade by his daughter's daily report.

The most tasteful window, without doubt, was that of S. S. Bain, who made an original show, using ribbon of all shades among his plants. An electric fan was also in operation to prevent his window from frosting, giving the plants a constant movement.

J. Bennett had a fine window and by far the best stock in the city. His azaleas were all in; this is more than other florists can congratulate themselves on. His Beauties were the talk of all the trade.

Wilshire Bros. had a fine display and they disposed of nearly all their stock. All the pots were hid by colored tissue paper. A great many fancy baskets, tastefully put up, were sold at \$5 each.

P. McKenna & Son, although not retailers, sent off a good stock of poinsettias, maiden hair ferns and Begonia incarrata. Their euphorbias, though very good, were not popular.

B. T. Graves, who has reopened a store on St. Catherine street, had not so complete a stock as formerly, but his carnations were fine.

At Campbell's they claimed to have done a very good trade, but they did not get their azaleas ready in time.

Harris & Hopton had a large and clean stock. Their solanums were very good and brought \$1.50 each.

Logan Girdwood reports a good trade, cut flowers leading. G. V.

LA CROSSE, Wis.—George Muetze, out on the Mormon Cooley road, has a new and well-stocked greenhouse.

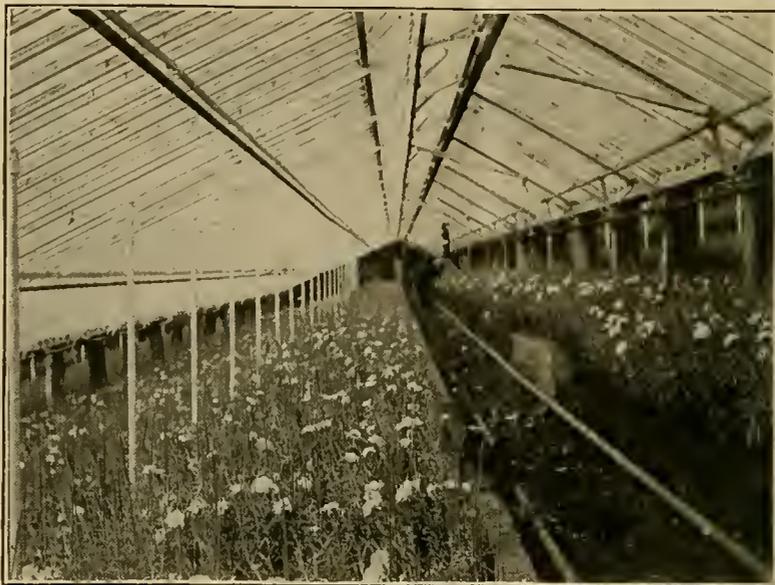
PORTLAND, Me.—J. A. Dirwanger, intends extending his greenhouse facilities considerably the coming season.

.....FOR SALE!

2000 POINSETTIAS, one year old, good strong, dormant stock.

\$6 per 100, CASH. Address

CHAS. FRUEH & SONS, 1116 Hoyt St., Saginaw, Mich.



FROM PHOTOGRAPH OF QUEEN LOUISE TAKEN OCT. 28th, 1900.

QUEEN LOUISE CARNATION

This new Carnation produces the finest flowers, is perfectly healthy and is the best white variety ever introduced.

IT BLOOMS EARLY — IT BLOOMS LATE — IT BLOOMS ALL THE TIME.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November. No other Carnation can stand such a test.

Price \$10 per 100, \$75 per 1000.

Rooted Cuttings ready February 15th. Come and see it or send for circular.

J. L. DILLON, Bloomsburg, Pa.

NEW CARNATIONS FOR 1901.

Lorna—(Dorner). Pure white, a decided improvement on White Cloud in size, habit stem, form, color and continuous blooming. \$10 per 100; \$75 per 1000.

Mermaid—(Dorner). Salmon pink, large flower, good color, early and extremely free. Stem a little weak after transplanting but improves quickly. A good summer bloomer in the field. \$6 per 100; \$50 per 1000.

Roosevelt—(Ward). Rich brilliant scarlet, shaded maroon. Early and free. The peer of all dark Carnations. \$12 per 100; \$100 per 1000.

Prosperity—(Dailedouze). White overlaid with pink. An exceptionally large Carnation. The winner of the Lawson Gold Medal in 1900. \$16 per 100; \$130 per 1000.

Irene—(Crabb & Hunter). Commercial pink Carnation. Free and continuous bloomer. \$10 per 100; \$75 per 1000.

Let us book your order now for the new varieties. Also for the 1900 Novelties—Crocker, Lawson, G. Lord, Marquis, Olympe and Peru.

F. Dorner & Sons Co. La Fayette, Indiana.

We make a specialty of rooted cuttings.

DOROTHY

Seedling pink Carnation, Scott color. Commercially the best of all Carnations yet introduced. Certificates awarded at Chicago, Philadelphia and Cincinnati. Rooted Cuttings, \$10 per 100; \$75 per 1000.

Also Rooted Cuttings of

GENEVIEVE LORD

\$6.00 per 100; \$50.00 per 1000. Orders booked now for rooted cuttings of above varieties.

E. T. GRAVE, Richmond, Ind.

THE BIG FOUR.

OUR INTRODUCTIONS OF NEW CARNATIONS
* * FOR 1901. * *

Sunbeam: Extra bright flesh pink, early free and continuous bloomer. Flowers of good form and size, borne on long stiff stems.....	Per doz.	Per 100	Per 1000
	\$1.50	\$10	\$75
Bon Homme Richard: White, extra-ordinary free bloomer; fine form, good size. Stems 2½ to 3 feet long.....	\$1.50	\$10	\$75
Nydia: Variegated, salmon stripe on white ground. Quick seller, extremely free bloomer, fine form and stiff stem.....	\$1.50	\$10	\$75
Prolifica: Cerise pink. Very long, stiff stems, large flowers, and as its name indicates, an extra free bloomer..... First lot ready Feb. 1, of the above four vars.	\$1.50	\$10	\$75

OTHER INTRODUCTIONS.

GOVERNOR ROOSEVELT	\$2.50 per doz.; \$12 per 100; \$100 per 1000.
PROSPERITY	\$.50 per doz.; \$16 per 100; \$130 per 1000
NORWAY	\$1.50 per doz.; \$10 per 100; \$75 per 1000
LORNA	\$1.50 per doz.; \$10 per 100; \$75 per 1000
IRENE	\$1.50 per doz.; \$10 per 100; \$75 per 1000
EGYPT	\$1.50 per doz.; \$10 per 100; \$75 per 1000
MERMAID	\$.50 per doz.; \$16 per 100; \$130 per 1000
DOROTHY	\$1.50 per doz.; \$10 per 100; \$75 per 1000

OTHER VARIETIES.

Mrs. Thos. W. Lawson.....	cerise pink	Per 100	Per 1000
Olympia.....	variegated	5.00	\$60.00
Marquis.....	pink	5.00	40.00
Genevieve Lord.....	"	5.00	40.00
Ethel Crocker.....	"	4.00	35.00
Morning Glory.....	light pink	4.00	35.00
Mrs. Geo. M. Bradt.....	variegated	3.00	25.00
G. H. Crane.....	scarlet	3.00	25.00
Chicago.....	"	3.00	25.00
America.....	"	3.00	25.00
Gold Nugget.....	yellow	3.00	25.00
Gen. Macco.....	crimson	2.00	15.00
Gen. Gomez.....	"	2.00	15.00
White Cloud.....	white	2.00	15.00
Mrs. Frances Joost.....	pink	2.00	15.00
Mrs. Jas. Dean.....	"	2.00	15.00
Jubilee.....	scarlet	2.00	15.00
John Young.....	white	1.50	12.00
Flora Hill.....	"	1.50	12.00
Argyle.....	cerise pink	1.50	12.00
Daybreak.....	light pink	1.50	12.00
William Scott.....	pink	1.00	8.00
Evelina.....	white	1.00	8.00
Armazindy.....	variegated	1.00	8.00

ROOTED CUTTINGS OF STANDARD VARIETIES READY JANUARY 1ST. WRITE FOR DESCRIPTIVE CATALOGUE.

CHICAGO CARNATION COMPANY - Joliet, Illinois.

Rooted Cuttings

Carnations

Mrs. Lawson.....	Per 100	Per 1000
The Marquis.....	5.00	\$40.00
Ethel Crocker.....	4.00	30.00
Mrs. Bradt.....	2.50	20.00
Joost.....	1.50	12.50
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.50
Triumph.....	1.50	12.50
Jubilee.....	1.50	12.50
Daybreak.....	1.50	12.50
Armazindy.....	1.50	12.50
Mrs. Jas. Dean.....	1.50	12.50
Wm. Scott.....	1.00	7.50
Thos. Cartledge.....	1.00	7.50
Red Jacket.....	1.00	7.50
Victor.....	1.00	7.50
McGowan.....	1.00	7.50

From stock absolutely free from stem rot or other disease.

STOCK CHRYSANTHEMUMS.

Chadwick, Xeno, Nagoya, Lucia Faure, 10c each, \$1.00 per dozen.
Queen, Yellow Queen, Bloodgood, Modesto, 75c per dozen.

F. E. SHAW, 326-28 Sunset Av. UTICA, N. Y.

Florists all over the country are quickly discerning the

Commercial Value of The Lawson Carnation.

The demand will be heavy this season. My stock is in excellent condition, clean and healthy. Rooted cuttings ready now, or for later delivery.

PRICE, Per 100.....\$7.00
Per 1000.....\$60.00

TERMS STRICTLY CASH from unknown parties. Send ALL ORDERS DIRECT TO

PETER FISHER, Ellis, Mass.
No Agents.

New Carnation ELENOR AMES.

The best deep pink Carnation ever introduced. Deeper color, larger flowers, stronger grower and produces more blooms per plant than its parent, Wm. Scott. Does not hurt. A continuous bloomer. Has been grown for five years. Plants free from all disease. Rooted cuttings ready February 1, \$1.50 per doz., \$10 per 100, \$75 per 1000.
D. CARMICHAEL, Wellesley, Mass.

Rooted Carnation Cuttings

No better Carnation Blooms were ever offered in the Chicago market than those we are shipping out this season. Our plants are in perfect health and every cutting offered is well rooted and in first-class condition. We have all the fancy sorts.

The Sport, Pink	Per 100	Per 1000	Argyle.....	Per 100	Per 1000
Mrs. Lawson.....	\$8.00	\$50.00	Triumph.....	\$1.50	\$12.50
Armazindy.....	6.00	50.00	Frances Joost.....	1.50	12.50
The Marquis.....	4.00	35.00	Gov. Griggs.....	1.50	12.50
Genevieve Lord.....	4.00	35.00	Melba.....	1.50	12.50
Ethel Crocker.....	4.00	35.00	Edna Craig.....	1.50	12.50
Peru.....	4.00	35.00	Flora Hill.....	1.50	12.50
G. H. Crane.....	3.00	25.00	White Cloud.....	1.50	12.50
America.....	2.50	20.00	Daybreak.....	1.50	12.50
Mrs. Geo. M. Bradt.....	2.00	17.50	Evelina.....	1.00	7.50
Chicago (Red Bradt).....	2.00	17.50	McGowan.....	1.00	7.50
Cerise Queen.....	1.50	12.50			
Evanston.....	1.50	12.50			

WIETOR BROS., Wholesale Growers of Cut Flowers,
51 Wabash Ave., CHICAGO, ILL.

WEILAND-AND-RISCH

59 WABASH AVE., CHICAGO.
ROOTED CARNATION CUTTINGS.

Mrs. T. W. Lawson.....	100	1000	Mrs. Frances Joost.....	100	1000
Marquis.....	\$7.00	\$60.00	Evanston.....	\$2.00	\$15.00
Genevieve Lord.....	6.00	50.00	White Cloud.....	2.00	15.00
Dorothy.....	6.00	50.00	Flora Hill.....	1.50	12.50
Irene.....	8.00	75.00	Gov. Griggs.....	2.00	17.50
Prosperity (666).....	10.00	75.00	Triumph.....	1.50	12.50
Roosevelt.....	16.00	130.00	Melba.....	2.00	17.50
Ethel Crocker.....	12.00	100.00	Mary Wood.....	2.00	17.50
G. H. Crane.....	4.00	35.00	Gold Nugget.....	3.00	25.00
Mrs. Geo. M. Bradt.....	3.00	25.00	America.....	3.00	25.00

ROOTED ROSE CUTTINGS.

Meteor.....	100	1000	Golden Gate.....	100	1000
Bride.....	\$1.50	\$12.50	Kaisern.....	\$2.50	\$20.00
Bridesmaid.....	1.50	12.50	Perle.....	1.50	12.50
	1.50	12.50	La France.....	1.50	12.50

Florists ordering of us can rest assured of obtaining first-class stock, as we vouch for every cutting sent out.

WE SOLICIT A TRIAL ORDER...

ALL TELEGRAPH ORDERS GIVEN CAREFUL & IMMEDIATE ATTENTION

WHOLESALE FLORISTS

Washington.

NEW YEAR'S TRADE IN THE CAPITAL CITY.—EVERYONE PLEASED WITH EXISTING CONDITIONS.—NOTES OF VARYING INTEREST.

New Year's trade was good, but not as good as Christmas. J. H. Small, Jr., says this is the first time he has sold carnations for \$3 per dozen. They are receiving a quantity of fine carnations from H. Weber & Sons, Oakland, Md. They had a good run on high handled plant baskets, filled with ericas, poinsettias, azaleas and Begonia Gloire de Lorraine. All the retailers report a fair trade for New Year's. A. Gude & Bro. are cutting a fine lot of American Beauty and other roses. They had a fine New Year's trade in cut flowers and also disposed of quite a number of plants for Christmas and New Year's.

David I. Saunders has been suffering with nervous prostration for some time but is recovering slowly. His son, Harvey Saunders, is managing the business and is cutting some very fine White Cloud and G. H. Crane carnations. Their violets looked very promising but in the last few weeks they have been going backwards.

The decorations at the White House for the New Year reception were very neat and leucothoe sprays were used freely. The east window was draped with palms and poinsettias, the mantel banked with Licuala grandis and adiantums.

Shine & Davidson have dissolved partnership and John Davidson is now with Gude & Bro. P. G.

Galveston, Tex.

Christmas trade was quite brisk in both cut flowers and plants. Many people bought collections of plants for presents to restock the little greenhouses of their friends, who lost their plants in the big storm.

Thomas Shimins is doing a good business in his store and so is Mrs. Chas. Eickholt, who opened a store, just a few days before Christmas, on Tremont and Postoffice streets.

The weather is cloudy and dark but we have had no frost here as yet and everybody is busy fixing up and rebuilding.

Otto Fehrlin has returned home from an extended trip to the north and east.

F. G. Laeverenz is going to leave town and make Houston his future home.

J. D. P.

Ethel Crocker

WHEN store men telegraph that they must have some Crocker for their customers, and commission men beg for consignments, in spite of the fact that there are plenty of other pinks on the market, it is a pretty sure sign that Crocker has some points of merit distinctive from the others and that there is an unfiled demand for the flowers.

With the largest stock of this variety grown by any one grower in the country I can fill your orders with carefully selected cuttings, at

\$4 per 100 or \$30 per 1000.
SEND FOR LIST OF OTHER VARIETIES.

ALBERT M. HERR
LANCASTER, PA.

MRS. FISHER CARNATIONS

For summer flowering, well-rooted cuttings,
\$3.00 per 1000.
ANDREW CHRISTENSEN, Stoneham, Mass.

We are hooking orders for Rooted Cuttings of
CARNATIONS,

All the best varieties. Write us.
GEO. HANCOCK & SON, Grand Haven, Mich.

ROSES

CRIMSON RAMBLER, extra strong.....\$12.00 per 100.
HYBRID PERPETUAL, in fine assortment.....\$10.00 per 100, \$90.00 per 1000.
HYBRID PERPETUAL, in fine assortment, 2d size..... 6.00 50.00
These are well rooted, good stock, but not quite heavy enough to go into first grade.

AZALEAS

Stock in excellent shape, well set with buds.
10 to 12-inch crowns.....\$35.00 per 100 12 to 14-inch crowns.....\$45.00 per 100

SPIRAEAS

JAPONICA.....\$3.50 per 100 ASTILBOIDES FLORIBUNDA.....\$4.00 per 100
NANA COMPACTA.....\$5.00 per 100

PALMS

KENTIA BELMOREANA, 2 1/2-inch pots.....\$8.00 per 100, \$75.00 per 1000
KENTIA BELMOREANA, 3-inch pots, 4 and 5 leaves.....\$15.00 per 100
KENTIA BELMOREANA, 4-inch pots, 14 to 16 inches high..... 30.00 "
KENTIA BELMOREANA, 5-inch pots, 18 inches high..... 60.00 "
KENTIA BELMOREANA, 5 and 6-inch pots, 18 to 22 inches high..... 75.00 "
KENTIA FORSTERIANA, 2 1/2-inch pots..... 10.00 "
KENTIA FORSTERIANA, 3-inch pots, 12 inches high..... 15.00 "
KENTIA FORSTERIANA, 4-inch pots, 15 to 18 inches high..... 35.00 "
KENTIA FORSTERIANA, 5-inch pots, 18 to 22 inches high..... 50.00 "
KENTIA FORSTERIANA, 5 and 6-inch pots, 24 to 28 inches high..... 75.00 "
ARECA LUTESCENS, 2 1/2-inch pots.....\$5.00 per 100, \$50.00 per 1000

ASPARAGUS

PLUMOSUS NANUS, 2 1/2-in. pots...\$ 5.00 per 100 SPRENGERII, 2 1/2-in. pots.....\$3.00 per 100
PLUMOSUS NANUS, 3-in. pots..... 6.00 " SPRENGERII, 3-in. pots..... 5.00 "
PLUMOSUS NANUS, 4-in. pots..... 12.00 " SPRENGERII, 4-in. pots..... 8.00 "

BOSTON FERNS

Strong 2-inch pots.....\$3.00 per 100, \$25.00 per 1000

THE STORRS & HARRISON CO., Painesville, O.

The Largest Fancy Carnation. Ready March 1st.

-PROSPERITY-

ALL ORDERS FILLED IN STRICT ROTATION.

Prices for Rooted Cuttings.

1 Plant.....\$.50	250 Plants.....\$ 37.50
12 Plants..... 5 00	500 Plants..... 70.00
25 Plants..... 8.25	750 Plants..... 104.25
50 Plants..... 10.00	1000 Plants..... 130.00
100 Plants..... 16.00	

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., = Flatbush, N. Y.

100,000 ROOTED CARNATION CUTTINGS

Ready to Ship.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. Thos. W. Lawson.....	\$ 7.00	\$60.00	Mrs. F. Joost.....	2.00	15.00
Olympia.....	5.00	40.00	Flora Hill.....	1.50	12.00
Genevieve Lord.....	4.00	35.00	Argyle.....	1.50	12.00
Ethel Crocker.....	4.00	35.00	Daybreak.....	1.50	12.00
Morning Glory.....	4.00	35.00	Wm. Scott.....	1.25	10.00
Mrs. G. M. Bradt.....	3.00	25.00	Armazindy.....	1.25	10.00
G. H. Crane.....	3.00	25.00	A. Mitting, light pink, 4-inch		
Peru.....	3.00	25.00	bloom.....	10.00	
America.....	3.00	25.00	Mrs. A. Mitting, clear light		
Gold Nugget.....	3.00	25.00	pink 3 1/2-inch bloom.....	10.00	
Gen. Maceo.....	2.50	20.00	Master De Koo Mitting, a fine		
Gen. Gomez.....	2.00	15.00	white, 3-inch bloom.....	10.00	
White Cloud.....	1.50	12.50			

25 Cuttings at 100 rates; 250 at 1000 rates. Cash or C. O. D.

THE MORRIS FLORAL CO., - Morris, Ill.

Genevieve Lord, The greatest money getting pink Carnation ever introduced. A descendant of Wm. Scott, but it's superior in every way. A big claim; if you don't believe it, come and see it. Please note change in price of rooted cuttings for January 1st delivery and after; \$6 per 100; \$50 per 1000. Booking orders now. Delivery any time you say after January 1st, 1901. **CHRYSANTHEMUMS,** stock plants, new and old varieties. Write for prices.
H. WEBER & SONS, OAKLAND, MD.

CARNATION PLANTS

ALL SOLD.

Ready to hook your orders for Rooted Cuttings of all the leading varieties, for spring delivery. Let me quote you prices before placing your orders.

Wm. Murphy, Wholesale Carnation Grower,
Sta. F, CINCINNATI, OHIO.

Please mention the American Florist to our advertisers.

ROOTED CUTTINGS CARNATIONS.

	Per 100	Per 1000
CRANE.....	\$3.00	\$25.00
BRADT.....	2.50	20.00
EVANSTON.....	2.00	17.50
JOOST.....	1.50	12.50
WHITE CLOUD.....	1.50	12.50
FLORA HILL.....	1.50	12.50
DAYBREAK.....	1.50	12.50
TRIUMPH.....	1.50	12.50
ARMAZINDY.....	1.50	12.50
TIDAL WAVE.....	1.50	12.50
WM. SCOTT.....	1.00	8.00
MRS. LAWSON.....	5.00	
ETHEL CROCKER.....	5.00	
MARQUIS.....	4.00	
GENEVIEVE LORD.....	4.00	
IRENE..... Per doz., \$1.50; 10.00		75.00

ROSES.

KAISERIN.....	\$1.50	\$12.50
LA FRANCE.....	1.50	12.50
METEOR.....	1.50	12.50
PERLE.....	1.50	12.50
BRIDE.....	1.50	12.50
BRIDESMAID.....	1.50	12.50
GOLDEN GATE.....	2.50	20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

CARNATIONS

Rooted Cuttings Now Ready. All Fine.

	Per 100	Per 1000
Lawson.....	\$6.00	\$50.00
Olympia.....	6.00	50.00
Crocker.....	5.00	45.00
Lord.....	5.00	45.00
Peru.....	5.00	45.00
Marquis.....	5.00	45.00
Crane.....	3.00	25.00
America.....	3.00	25.00
Bradt.....	3.00	25.00
Pingree.....	3.00	25.00
Morning Glory.....	3.00	25.00
Glacier.....	3.00	25.00
White Cloud.....	2.00	17.50
Jubilee.....	2.00	17.50
Maceo.....	2.00	17.50
Wood.....	2.00	17.50
Daybreak.....	1.50	12.50
Flora Hill.....	1.50	12.50
Triumph.....	1.50	12.50
Joost.....	1.50	12.50
Scott.....	1.00	8.00
Evelina.....	1.00	8.00

250 at 1000 rates. Cash or C. O. D.

We refer you to trade papers' report of St. Louis Chrysanthemum Show as to quality of our stock.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

100,000 R. C. Carnations

	Per 100	Per 1000
Olympia.....	\$5.00	\$45.00
Genevieve Lord.....	4.00	35.00
Ethel Crocker.....	3.50	30.00
Morning Glory.....	3.50	30.00
Mrs. G. Bradt.....	2.50	20.00
G. H. Crane.....	2.50	20.00
America.....	2.50	20.00
Gold Nugget.....	2.50	20.00
Gen. Maceo.....	2.50	20.00
Gen. Gomez.....	2.00	18.00
White Cloud.....	1.50	12.50
Peru.....	3.00	25.00
Mrs. F. Joost.....	1.50	12.50
Flora Hill.....	1.50	12.00
Daybreak.....	1.50	12.00
William Scott.....	1.25	10.00

CASH WITH ORDER.

H. E. MITTING, Mgr. Fort Dodge Greenhouse Co. FORT DODGE, IA.

ROOTED CUTTINGS CARNATIONS.

Ethel Crocker.....	100, \$4.00; 1000, \$30.00
White Cloud.....	" 2.00; " 15.00
Alaska (white).....	" 1.00; " 7.50

ROSES.

Golden Gate.....	100, \$2.50; 1000, \$20.00
Bride.....	" 1.50; " 12.50
Bridesmaid.....	" 1.50; " 12.50

GEO. HARRER, Morton Grove, Ill.

Rose Cuttings! Carnation Cuttings!

ROOTED ROSE CUTTINGS.

Bridesmaid.....	100 \$1.50	1000 \$12.50
Bride.....	1.50	12.50
Golden Gate.....	1.50	12.50
Meteor.....	100 \$1.50	1000 \$12.50
Perle.....	1.50	12.50

CARNATION ROOTED CUTTINGS.

Irene.....	100 \$10.00	1000 \$75.00
Mrs. Lawson.....	6.00	50.00
Marquis.....	5.00	40.00
Guardian Angel.....	5.00	40.00
Genevieve Lord.....	4.00	35.00
Peru.....	4.00	35.00
Crocker.....	4.00	35.00
Crane.....	3.00	25.00
America.....	2.50	20.00
Mrs. Bradt.....	2.00	17.50
Chicago (Red Bradt).....	2.00	17.50
Triumph.....	1.50	12.50
Frances Joost.....	1.50	12.50
Argyle.....	100 \$1.50	1000 \$12.50
Cerise Queen.....	1.50	12.50
Edna Craig.....	1.50	12.50
Evanston.....	1.50	12.50
Gov. Griggs.....	1.50	12.50
Melba.....	1.50	12.50
Daybreak.....	1.50	12.50
Armazindy.....	1.25	10.00
Hill.....	1.25	10.00
White Cloud.....	1.25	10.00
McGowan.....	1.00	7.50
Evelina.....	1.00	7.50

All stock sold under the condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG, 51 Wabash Ave., Chicago, Ill.

New Carnations, Rooted Cuttings.

PROSPERITY (666). Each, 50c; 12 for \$5.00; 25 for \$8.25; 50 for \$10.00; 100 for \$16.00; 250 for \$37.50; 500 for \$70.00; 750 for \$101.25; 1000 for \$130.00.

Queen Louise.....	doz., \$1.50	100, \$10.00	1000, \$75.00
Dorothy.....	" 1.50	" 10.00	" 75.00
Irene.....	" 1.50	" 10.00	" 75.00
Roosevelt.....	" 2.50	" 12.00	" 100.00

New Chrysanthemums.

Ready April 1st. Each, 50c; doz., \$5.00; 100, \$30.00. Mrs. Elmer D. Smith, the best new yellow; Omega, Chestnut Hill, Timothy Ealon, Yanariva.

Carnations.

Strong plants transplanted into soil and flats. Every one sure to grow. Sorts marked * ready now in soil.

*Marquis.....	100 \$5.00	1000 \$40.00
*Mrs. Thos. W. Lawson.....	7.00	60.00
*Estelle.....	7.00	60.00
*Ethel Crocker.....	5.00	40.00
*Genevieve Lord.....	5.00	40.00
*Morning Glory.....	4.00	35.00
*G. H. Crane.....	3.00	25.00
*America.....	3.00	25.00
*White Cloud.....	2.00	17.50
*Flora Hill.....	100 \$1.75	1000 \$15.00
*Wm. Scott.....	1.50	12.00
*Mrs. Geo. M. Bradt.....	4.00	30.00
Gold Nugget.....	4.00	30.00
Chicago.....	4.00	30.00
Gen. Maceo.....	3.00	25.00
Gen. Gomez.....	3.00	25.00
Daybreak.....	2.00	15.00

THE GRAND NEW PINK GERANIUM Jean Viaud.

Doz., \$1.25; per 100, \$10.00. 2-inch pots.

Cannas.

All the Novelty and Standard kinds in large quantities, dormant roots. Write for prices.

14 BARCLAY STREET NEW YORK. **VAUGHANS' SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

Please mention the American Florist when writing.

CARNATIONS ROOTED CUTTINGS

We are booking orders now for cuttings at the following prices:

G. H. CRANE.....	\$25.00 per 1000	WHITE CLOUD.....	\$12.50 per 1000
MRS. BRADT.....	25.00 "	FLORA HILL.....	10.00 "
MADAM CHAPMAN.....	25.00 "	MCGOWAN.....	10.00 "
DAYBREAK.....	12.50 "	ELDORADO.....	10.00 "

We have the largest and finest stock of these varieties to be seen anywhere and will have large quantities of Cuttings during the season. If you are in need of a large lot write me and get special price. Can save you money. We also have the blooms of the above varieties at market quotations. Violet blooms at all times.

Address **CHAS. CHADWICK, Grand Rapids, Mich.** Lock Box 11

Boston Fern.

Don't forget that we have them in all sizes: 2½, 3, 4, 5, 6 and 7-inch beauties. Order a sample lot. You will want more.

GEO. A. KUHL, PEKIN, ILL.

Beautiful Ferns

DAVALLIOIDES FURCANS, BOSTONIENSIS and WASHINGTONIENSIS, from 8-in. pots, with two to four feet long fronds, at \$1.00 each; \$10 per dozen. For other choice and rare plants, see my adv., page 568 of this paper, or write for a copy.

N. STUDER, ANACOSTIA, D. C.

Tarrytown, N. Y.

ANNUAL ELECTION AND BANQUET OF THE SUCCESSFUL LOCAL HORTICULTURAL SOCIETY.—SMITH IS NOW PRESIDENT.—EXCELLENT MENU AND GOOD TALKS AT BANQUET.

The monthly meeting of the Tarrytown Horticultural Society was held December 27, with President Turner in the chair and a large attendance of members. The chief business of the evening was the election of new officers. The following gentlemen were chosen: President, James W. Smith; vice-president, William Scott; treasurer, E. W. Neubrand; secretary, Thomas Cockburn; press secretary, L. A. Martin; executive committee, M. J. Connellon, Francis Gibson, A. A. Taaffe, William Turner, Wm. F. McCord, D. Mac Farlane, A. Fallon and John Eagan. The reports of operations for the past year were very satisfactory, the members of good standing now numbering ninety-five while the balance at the bank proves that affairs have been well managed. Two new members were elected, H. H. Waite, Greystone, Yonkers, and John Elliott, Scarborough. A vote of thanks was given to the retiring officers and then the members with guests, numbering sixty-five in all, adjourned to the Florence Hotel, where the committee, Messrs. Smith, Neubrand and Gibson, had spread the second annual banquet.

The dining room was beautifully decorated with cut flowers, smilax and asparagus donated by some of the members, also with flags of all colors, and the monogram T. H. S. The catering was a credit to the committee. As soon as the cigars were passed the president asked for a few words from the newly elected officers, who gladly responded. Mr. Scott was appointed toastmaster and filled the position in a very able manner. Among the speakers were F. R. Pierson, J. W. Withers, Thomas Withers, J. I. Donlan, M. Butterfield, and Messrs. Gomersall, Lynch and Saltford for the Dutchess County Horticultural Society. As the representatives of the Westchester County Horticultural Society, Messrs. Shore, Grierson and Williamson, had to leave us early to make connection with their train, we greatly missed the good advice usually given by John Shore. Music and songs were given by John Taaffe, Messrs. Whyte, A. A. Taaffe, Butterfield, MacFarlane, Mooney and Martin. L. A. M.

Orchids!



We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Boston Ferns.

TRUE TO NAME.

Small plants from bench.....\$ 1.00 per 100
7,000 2-inch..... 2.00 "
4,000 3-inch..... 4.00 "

Let us grow your large Ferns for next summer and fall delivery. Our prices are surprisingly low. Write us.
DAVIS BROS., : Morrison, Ill.

Hardy Herbaceous AND Alpine Plants. Field-Grown

A Complete Assortment of Old and New Vars.

The Blue Hill Nursery, So. Braintree, Mass.
CORRESPONDENCE SOLICITED.



DOUBLE PETUNIA.

...Dreer's... Double Petunias

For many years the Double Petunia has been one of the specialties of our establishment, and again this season we have grown many thousands of seedlings from which our collection has been selected, embracing only such distinct fringed varieties and colors that are especially suited to the retail trade.

We offer strong 3-inch pot Stock Plants that will in a short time furnish a liberal quantity of cuttings in 15 distinct varieties, \$1.00 per Dozen, \$8.00 per 100. Set of 15 varieties for \$1.25.

PETUNIA SEED.

Superb Double Fringed, 500 seeds, 75c; 1000 seeds, \$1.50.
Superb Single Fringed, trade packet, 50c; 1/2 ounce, \$2.50.

HENRY A. DREER

714 Chestnut St., PHILADELPHIA.

SMILAX

2000 fine long strings at 15c per string, \$1.50 per Dozen.

Violet Runners Lady Campbell, guaranteed to be perfectly healthy, \$7 per 1000.

Also A No. 1 Violet Blooms at market rates.

CASH BY MONEY ORDER OR REGISTERED LETTER

THE STOVER FLORAL CO., GRANDVILLE, MICH.

NOVELTIES IN

CHRYSANTHEMUMS, CARNATIONS, CANNAS AND GERANIUMS OUR SPECIALTY.

Preliminary List Now Ready. Free to all Applicants.

NATHAN SMITH & SON, Adrian, Mich.

- Asparagus Sprangerii, 2 1/2-inch.....\$2.50 per 100
- " " " "..... 4.00 per 100
- Asparagus Plumosus, 3 1/2-inch..... 5.00 per 100
- " " " "..... 6.00 per 100
- Small Ferns for dishes, 4 vars, 2 1/2-in. 3.00 per 100
- Carex Variegata, 2 1/2-inch..... 4.00 per 100
- Boston Ferns, 8-inch pans..... \$15 and \$18 per doz.
- " " " "..... 5.00 per 100
- " " " "..... 8.00 per 100
- Nephrolepis Cordata Compacta, 6-inch 25.00 per 100
- Geraniums—S. A. Nutt, Heteranthe, La Perlot, rooted cuttings, \$18.00 per 1000. CASH, PLEASE.

CARL HACENBERGER, West Mentor, O.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.

- Asparagus Sprangeri—Strong 3 1/2-in., \$6.00 per 100.
- New Rose Snowflake—The Daisy Rose, \$10 per 100.
- New Lace Fern—Fronds last a month, \$6.00 per 100.
- New Russelia Multiflora—2 1/2-inch, \$4.00 per 100.
- 50 New Plants not to be Had Elsewhere.
- Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$20.
- Cannas, Dahlias, and all summer blooming bulbs.
- Electros and Cuts for Florists and Seedmen
- A. BLANC, PHILADELPHIA, PA.

CHRYSANTHEMUMS.

Stock Plants of the following late varieties.....

- BONNAFFON H. W. RIEMAN
- WESTERN KING YANOMA
- GRETCHEN BUETTNER MERRY CHRISTMAS
- MRS. MURDOCK. \$1.00 a Dozen.

INGRAM & LYNES, Reading, Mass.

Please mention the American Florist when writing.

DAISIES,

- hardy, large plants, Snowball, Longfellow, 40c per 100; \$2.50 per 1000.
- FORGET-ME-NOT, fine clumps, 75c per 100; \$5.00 per 1000.
- MIGNONETTE (Allen's Defiance), large plants out of 2 1/2-inch \$2.50 per 100.

J. C. Schmidt, Bristol, Pa.

F. B. Hayes

The best late pink Chrysanthemum. Stock plants for sale, \$2.00 per doz., \$15.00 per hundred.

WILLIAM SIM, - Cliffondale, Mass.

...New... GOLD SMITH

Cream yellow tinted with bronze, sport from Pres. W. R. Smith, fine large flowers, strong stem. Your collection of Chrysanthemums can not be complete without this new candidate. There is without doubt a commercial future before this sort. Exhibited at Cincinnati November 17 it scored 83 points. Price \$2 per doz. Orders taken now and filled in March.

H. L. RACAN, P. O. Box 166, Springfield, O.

First and Last Call.

Now You See It! Next Week You Won't.

Al 'Mum Stock Plants from bench. Yellow low Queen, Bonaffon, Fitzwygram, Glory of Pacific, Willdin, Golden Wedding, Golden Trophy, Robinson, Flo. Pullman, Modesto, M. M. Johnson, Lincoln, 50c per doz., \$3 per 100. 25 at 100 rate. Yellow Jerome Jones (fine, have plenty), Xenos and Murdock, 5c each.

W. J. BARNES, 38th & Euclid Av., Kansas City, Mo.

ROOTED CUTTINGS.

Verbenas, 35 vars., 60c per 100, \$5 per 1000. Coleus, 30 vars., 60c per 100, \$5 per 1000. Heliotrope, 14 vars., \$1 per 100, \$8 per 1000. Petunias, dbl., named, \$1.25 per 100, \$10 per 1000. Ageratums, 3 vars., 60c per 100, \$5 per 1000. Lantanas, 4 vars., \$1.25 per 100. Alyssum, giants, \$1 per 100. Salvias, 3 vars., \$1 per 100. Geraniums, 2 1/2-in., all named, \$2.50 per 100, \$18.00 per 1000. Express prepaid on all Rooted Cuttings. Cash with orders. Write S. D. BRANT, CLAY CENTER, KAS.

Geraniums

10,000 in red, pink, white and salmon, in 2 1/2-inch pots, ready for shift. Let us know your wants.

GEO. A. KUHLE, PEKIN, ILL.

A. SPRENGERII

Ex. strong plants from 2 1/2-in. pots, ready for 3-in., \$2.50 per 100; \$20 per 1000.

The finest stock offered for this price.

JACKSON & PERKINS CO., Newark, New York.



**FOR PRESENT DELIVERY!
JAPANESE
FERN BALLS.**

True long-leaved variety. You will find a ready sale for them.

Per doz. \$4; per 100 \$30.

Write for Prices on Quantities!

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

Carnation Cuttings...

Ready for immediate shipment. All fine and well rooted.

	Per 100	Per 1000
Mrs. Thos. W. Lawson	\$ 7.00	\$60.00
Sunbeam	10 00	75.00
Prolifica	10 00	75.00
Marquis	5.07	40 01
Genevieve Lord	4.00	35.00
Ethel Crocker	4.00	35.00
Mrs. Geo. Bradt	3.00	25.00
G. H. Crane	3.00	25.00
Gold Nugget	3.00	25.00
Gen. Maceo	2.00	15.00
Chicago	3.00	20.00
White Cloud	2.00	15.00
Mrs. F. Joost	1.50	12.00
Mrs. J. Dean	2.00	15.00
Jubilee	1.50	12.00
Flora Hill	1.50	12.00
Daybreak	1.50	12.00
Evelina	1.00	8.00
Triumph	1.50	12.00

Chrysanthemum Stock Plants, Philadelphia, Mrs. Robinson, Bonnaillon, October Sunshine, Mme. Bergmann, 60c per doz., \$4.00 per 100.

Poinsettia Plants, 50c and \$1.00 per dozen.
JOS. LABO, Joliet, Ill.

Forcing Plants

AZALEA INDICA. See former issues.	Per 100
Spiraea Japonica	\$ 3.50
" Compacta	4.00
" Astilboides Floribunda	4.00
" Plumosa Alba (new)	15.00
" Palmata, scarlet	5.00
" Elegans	5.00
" Alba	5.00
Dielytra Spectabilis (Bleeding Heart)	5.00
Paeonia Officinalis rubra pl	8.00
" alba plena	21.00
" Tenuifolia fl. pl	18.00
MONTHLY ROSES, Hermosa, pink	10 00
" Agrippina, dark red	10 00
" Clothilde Souper	12.00
H. P. Roses, low budded, leading kinds	10.00
Crimson Rambler, extra strong	15.00
Hydrangea Otaksa, 4-6 shoots	12.00

BOBBINK & ATKINS, Rutherford, N. J.

This is what **MR. W. J. HALLIDAY,** 316 Charles St. N., BALTIMORE, MD.,
Thinks of **Our Grand New Rose**
QUEEN OF EDGELY

HE WRITES IN HIS LETTER OF NOV. 27th, 1900:

"THE QUEEN has made a FINE ENTREE into society here and she RICHLY DESERVED IT. She was GREATLY ADMIRIED by both ladies and gentlemen."

AND IN HIS LETTER OF NOV. 30th, 1900:

"I had THE QUEEN on exhibition until last night, FIVE DAYS. It is a GREAT ACQUISITION to our list of FINE ROSES, and I believe it has a GREAT FUTURE.
Yours respectfully, **WILLIAM J. HALLIDAY.**"

PLANTS READY APRIL 1, 1901. FOR TERMS AND PARTICULARS, APPLY TO

R. CRAIG & SON, East Agts.,
49th and Market Sts., Phila.
E. G. HILL & CO., West Agts.,
Richmond, Ind.

THE FLORAL EXCHANGE, Inc.
335 N. Sixth St.,
PHILADELPHIA, PA.

Crimson Rambler Roses.

These Roses have fibrous roots and are particularly well adapted for potting and forcing. They certainly do please the florists who have gotten them; one sale invariably brings a second order. * * *

We offer them in two sizes, 3 to 3½ feet, at \$12. Extra large, 3½ to 5 feet, at \$15. * * * * *

The CONARD & JONES CO., West Grove, Pa.

WE HAVE THEM
....READY NOW, **YOUNG ROSES** 2-in.

PERLES, KAISERINS, WOOTTONS, BRIDES, MAIDS, LAFRANCE, METEORS, PRES. CARNOT. If you are looking for early bloomers for summer use, send us \$1 for sample lot of kind you want and we know the special price we will make on them until January 15th will get your order. We must have the room. Satisfaction guaranteed or money refunded. Write

GEO. A. KUHLE, Pekin, Ill.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches;

OTAKSA,

PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co., Newark, New York

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$4.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,
199 Grant Avenue, JERSEY CITY, N. J.

SEED Pansies PLANTS

The Jennings strain. Fine stock, choice varieties. Medium size plants, 60c per 100 by mail, \$4 per 1000 by express. Extra fine stocky plants in bud and bloom, \$1 per 100; \$10 per 1000. The above growing in cool greenhouses. Seed, \$1 per pkt., \$5 per oz. Cash with order.

E. B. JENNINGS, Grower of the Finest Pansies,
Lock Box 254 Southport, Conn.

PALMS AND BOSTONS

Walter Retzer & Co.,
2045-59 Clarendon Ave., CHICAGO, ILL.
(N. Halsted St.)

Kansas City.

THE HOLIDAY BUSINESS WAS ENTIRELY WITHOUT PRECEDENT.—GOOD STOCK IN DEMAND.—MUCH INFERIOR MATERIAL SHIPPED IN.—JOTTINGS.

Christmas trade beat all the records for former years, for there was no limit to the calls for good stock, which was very scarce. A great deal of inferior stock was shipped in, which had to be sold at about cost, and was very expensive at that. Good plants never were in so great demand, but unfortunately there were not near enough plants to go around. Palms at \$5 to \$10 sold fast; very few good ones were left, and some of the stores are cleaned out. Samuel Murray and A. Barbee grew most of the azaleas that were to be had in this market; consequently they were strictly in it, especially Murray, for he had a house of good ones, of which several sold as high as \$25 each. Holly went well and everybody cleaned up, with very little left for New Year's. We noticed that people complained less this year of the high prices, which indicates good times and plenty of ready money. Some of the local growers were off crop, attributable to the advanced season.

A. NEWELL.

Minneapolis.

BUSINESS A LITTLE SLOW AFTER CHRISTMAS BUT THE OLD YEAR PASSES OUT BRISKLY —LAWSON A FAVORITE CARNATION.—BUILDING IN SIGHT.

Business was a little slow after Christmas but New Year's started it in full swing again and 1900 passed away with everybody well satisfied. After having time to look over business that was done Christmas we find that there was more holly sold this year than any preceding season. A large business was also done with evergreen trees. Bridesmaids are the only roses offered in quantities at present, with white carnations also in surplus. The Lawson shows up finely and is becoming quite a favorite, bringing from \$1 to \$1.50 a dozen.

There will be considerable greenhouse building in the spring. William Donaldson, John Munson and P. Will intending to enlarge their plants considerably. In addition, the Minneapolis Floral Company will put up a big range of glass.

Mr. Brant, of Forest Glen, made a short call last week.

C. F. R.

BUCKSPORT, ME —F. K. Moses has had a big fall business, filled an unprecedented demand at Christmas and looks forward to a prosperous spring.

Field-Grown VINCA VAR. VINES

Per 100
 First size, from 4 to 6 long vines to plant, \$4.00
 Large size, " 7 to 10 " " 6.00

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 59 State St., WATERTOWN, N. Y.

SPECIALTIES

IN BEST
 ...VARIETIES

ROSES, from 8-inch pots.
 CARNATIONS, for all delivery.
 CHRYSANTHEMUMS.
 SMILAX.

Prices low. Send for list. VIOLETS.

WOOD BROTHERS, FISHKILL, N. Y.

CRYPTOMERIA JAPONICA (JAPAN CEDAR)
 Take the place of Araucaria Excelsa; sells everywhere and everybody is pleased with it; it is a money maker. Strong stock from 2-in. pots, \$5.00 per 100; or send \$1.00 for a sample and you will soon want more.
 E. I. RAWLINS, Quakertown, Pa.

Heacock's Premium Palms

Certificate of Merit for Culture Pennsylvania Horticultural Society, March, 1900.
 Certificate of Merit for Culture Pennsylvania Horticultural Society, November, 1900.

Only the Best, Grown in the Best Manner. Immense Stock, free from Insects and Disease and in the Best Possible Condition. Send in your Order at Once.

- Areca Lutescens.** 3 plants, 6-in. pot, 24 to 28 inches.....\$12 per doz.; \$100 per 100.
 3 " 8 " 36 " FINE.....\$3 each.
- Cocos Weddeliana.** 1 plant, 3-in. pot, 12-in. high.....\$ 25 per 100.
 3 plants, 5 " 18 "\$1 each; \$100 "
- Kentia Balmoraana.** 4-in. pot, 5 to 6 leaves, 15-in. high.... \$4.50 per doz., \$35 per 100.
 6 " 6 leaves, 24 " 15 00 " \$125 "
 8 " 6 " 30 to 32-in. high.....\$3 each.
- Kentia Forsteriana.** 4-in. pot, 4 to 5 leaves, 15-in. high.... \$4.50 per doz., \$35 per 100.
 6 " 5 " 24 to 28-in. high.... \$1 each, \$12 per doz.
 8 " 5 to 6 " 30-in. high.....\$1.25 " \$15 "
 8 " 6 " 36 to 40-in. high.....\$3 " \$36 "

JOSEPH HEACOCK, - Wyncote, Pa.

DON'T GET LEFT

ON GERANIUMS. They are going very fast at \$3 per 100, \$25 per 1000 out of 2½-in. pots, ready for shifting into 3 or 4-in. Composed of the following varieties: S. A. Nutt, Frances Perkins, LaFavorite, E. G. Hill, Beaute Poitevine, Wm. Pfitzer, Ruy Blas, Double Grant and in fact all the leading vars.

Ageratum, 2½-in. pots, Princess Pauline, Cope's Pet, White Cap, \$1 per 100. R. C. 50c per 100.

Fuchsias in variety, R. C., \$1 per 100.

Coleus, 2½-in. pot, \$1.50 per 100. R. C. 50c per 100.

Cash Must Accompany Order.

J. E. FELTHOUSEN, Schenectady, N. Y.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE

\$2.50 per dozen, \$17.50 per 100.

BEGONIA Light Pink LORRAINE

50c each, \$5.00 per dozen, \$40.00 per 100.

Plants of either of the above from 2¼-in. pots, strong and healthy.

See Convention Number for description of the last named newer variety.

They will be the most popular plants for Christmas holiday gifts for years to come.

Order Early From

Money Order Office, **EDWIN LONSDALE,**
 Sta H Philadelphia, Wyndmoor,
 (Near Phila.) Pa.

N B We have not changed our location, but the P O authorities have changed our P. O. facilities.



BOSTON FERN A Specialty.

20,000 very fine plants at \$25 and \$20 per 100. Small plants, \$5 per 100; \$40 per 1000.

ASPARAGUS P. NANUS and SPRENGERII, for 4-in., at \$8.00 per 100. **SMALL PALMS and FICUSES.**

L. H. FOSTER, 45 King St., Dorchester, Mass.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants,

Market and 49th Sts., Philadelphia, Pa.

LATANIA & BORBONICA.

We have a surplus of this variety in 4-inch pots, extra strong plants, well rooted and ready for a shift. Sample sent by mail for 30c in stamps; \$2.50 per doz.; \$18.50 per 100. This is a bargain, hurry up with your orders.

—CASH PLEASE.—

W. W. COLES, Kokomo, Ind.

Palms & Ferns.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**

The Exotic Nurseries, DAYTON, OHIO.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flower saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We can supply any quantity fine, stocky plants—2¼ in., \$2.50 per 100. Cash with order. Shellroad Greenhouse Co., Grange P. O., Balto., Md.

Grape Vines

Descriptive and Price List free.

Currents, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true. **T. S. HUBBARD CO., FREDONIA, N. Y.**

Holly... Galax and Leucothoe,

for decorations, \$3 per case.

Bronze and Green, at all times of the year.

Ropings of Princess Pine, Laurel, Hemlock and mixed to suit.
Made in our own place. Any weight you desire.

MANY OTHER WILD GREEN THINGS.

QUALITY AND QUANTITY APPLY TO EACH.

The Kervan Co., F. B. KERVAN, Prop..

30 W. 29th St.,
NEW YORK.

TELEPHONE 551
MADISON SQ.

- CALADIUMS** Fancy leaved, 40 named sorts.
Per 100 Per 1000
Dry bulbs, 1½ to 2¼-in. \$10.00 \$90.00
Dry bulbs, 1 to 1¼-in. 8 00 70 00
- ORANGES**, Best sorts, grafted on Citrus trifoliata, beautiful plants, bushy, 15 to 18-in. \$30.00
- PHŒNIX CANARIENSIS & TENUIS**, Very stocky,
3-4 characterized leaves, 15-18-in. 15.00
4-5 " " 20-24 " 25.00
5-6 " " 24-30 " 40.00
- PHŒNIX RECLINATA**, 3-4 characterized leaves, 15-18-in., very stocky 25.00
- LATANIA**, 4-5 characterized leaves, 18-20-in. 25.00
- BIOTA AUREA NANA**, Best dwarf Biota, 12-15-in. 12.00

Not less than 50 at above rates.
Send for Price Lists.

P. J. BERCKMANS CO., Augusta, Ga.
Please mention the American Florist when writing



VERBENA KING.

Express prepaid on all Rooted Cuttings.
Ready Dec. 6.

- Verbenas, 40 best mammoth vars. 60c per 100; \$5.00 per 1000.
Alternanthera, red and yellow, 60c per 100; \$5 per 1000.
Ageratum, 4 best vars., 60c-75c per 100; \$5.00-\$6.00 per 1000.
Heliotropes, 10 best vars. \$1 per 100; \$8 per 1000.

Daisies, 2 best vars., \$1 00 per 100; \$8.00 per 1000.
Send for our new list of other rooted cuttings and plants; it will save you money. Write for prices on larger lots.

C. HUMFELD, Clay Center, Kas.

3 - Great Glories - 3

- BEGONIA GLOIRE DE LORRAINE**, 2¼-inch pots, \$15.00 per 100.
BEGONIA GLOIRE DE LORRAINE Nana Compacta, 2¼-inch pots, \$15.00 per 100.
BEGONIA CALEDONIA, "The White Lorraine," 3¼-inch pots, \$5 00 each.
This stock guaranteed absolutely free from disease.
THOMAS ROLAND, Nahant, Mass.

AGERATUM

"Stella Gurney."

As necessary to your bedding stock as coleus or geraniums. Dwarf in growth, true blue and always in bloom. Strong pot plants at

75 cts. per Doz.; \$5.00 per 100.
ALBERT M. HERR, Lancaster, Pa.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.



SILVER BIRCH BARK WARE.

PRICES PER DOZ.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4 in. \$1.80; 5-in. \$2.40; 6-in. \$3.00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 14-in. per doz. \$11; 11-in. \$9; 9-in. \$7. References: Geo. Wittbold Co., E. Wienhoeber, C. A. Samuelson, Chicago.
J. A. LYNN, 1442 WRIGHTWOOD AVE., CHICAGO.

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,

CHICAGO.

TOBACCO DUST,

FREE FROM ANY DIRT
OR FOREIGN MATTER,

\$10 per 1000 lbs.

SAMPLE SENT IF REQUESTED.

MACK TOBACCO CO.,

Canal and Plum Streets,
Cincinnati, Ohio.

BEST AND Cheapest

"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

ALL-ROUND INSECTICIDE as the Market.

For Sale by Seedsmen, For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

LETTUCE....

Big Boston, Boston Market and other varieties, 15c per 100; \$1.00 per 1000; \$8.50 per 10,000. If by mail add 10c per 100.

CABBAGE

Wakefield and Succession, 25c per 100; \$1.25 per 1000. If by mail add 20c per 100.
CASH WITH ORDER. Other vegetable plants, also flower plants. Send for list.

R. VINCENT, Jr., & SON, White Marsh, Md.

Please mention the American Florist when writing.

HAIL!

FOR INSURANCE AGAINST
DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,
SADDLE RIVER, N. J.

VIOLET RUNNERS, 25 000 STRONG ROOTED RUNNERS. LADY CAMPBELL VIOLETS.

From sand, \$5 per M; fr. soil \$7.50 per M. Samples free
WM. SWAYNE, Kennett Square, Pa.

Please mention the American Florist when writing.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.
They'll fix you **SILKALINES.**

84 Kingslon St., BOSTON, MASS.

MEYER SILKALINE is for sale by all the leading seedsmen and jobbers throughout the country.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumbler) \$2.25. Price complete (with green or white cornucopia vase) \$2.50. No. 2.—Heavy 4 ft. rod brass and nickled, with three clasps for 5 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tubes, ¼-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist,

1725 Chestnut St. Philadelphia, Penn.

The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until the burn heap is reached. It does the work much better than a hand rake and three times as fast. Easy to operate. Given certificate of merit at N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.

FINLEY LAWN RAKE CO., - Joliet, Ill.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

Paterson, N. J.

THE CHRISTMAS TRADE WAS QUITE THE BEST IN YEARS.—LARGE CALL FOR PLANTS.—CUT FLOWERS IN DEMAND.—GROWTH OF THE TRADE.—JOTTINGS HERE AND THERE.

The Christmas trade in general was much better than it has been in past years. Greens were used in great profusion and holly wreaths sold at from 10 cents for poor ones to 35 cents each for the very best. There was a big demand for loose holly. Roping moved slowly, because the farmers stood on our main street selling it for whatever they could get. All the stores report doing a very good business. There was larger call for palms, rubbers, azaleas and flowering plants this year. Violets were in big demand and good ones brought from \$2 to \$3 per hundred. Carnations sold at from 50 cents to 75 cents per dozen. Good roses, such as Bridesmaids and Brides sold at from \$1 to \$3 per dozen.

Paterson has become quite a town for flowers during the past few years. While it is the largest silk center in America, it is only a few years ago that there was but one flower store in the city, that of the late H. E. Chitty. Then Joseph Towell started and within a few years Edward Scery opened a store. For a number of years these three had everything their own way. Then the city had a population of 40,000; now it has 120,000, with ten stores in the florist trade. This with the farmers who come in three times a week and stand all day on the market to sell flowers, also the number of greenhouses in and near the city, makes competition very lively at times.

Joseph Towell has been on the sick list for a long time. He has a nice lot of cypripediums and Asparagus plumosus.

Vreeland & Condee are cutting some very nice Golden Gate roses.

The Paterson Rose Company has a good stock of roses.

Martin Werne has a nice collection of palms. SILK CITY.

PORTSMOUTH, OHIO.—Mrs. Catherine Herms has sued the Portsmouth Gas Company for \$5,000 damages, claiming that the escaping gas of the company ruined her stock.

CAMDEN, N. J.—C. W. Turnley, who recently erected a thoroughly modern establishment at 535 Federal street, a prominent part of the city, reports more than usual prosperity.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

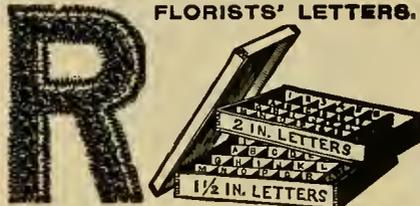
Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC. TO N. STEFFENS AND STEFFENS BROS. MANUFACTURER OF **FLORISTS' WIRE DESIGNS & SUPPLIES** 335 EAST 21ST ST. NEW YORK CITY.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$3.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 84 Hawley St., BOSTON, MASS.

Please mention the American Florist when writing.

Use "UP-TO-DATE" FLORISTS' SUPPLIES.

M. Rice & Co., Importers and Manufacturers, 918 Filbert St., PHILADELPHIA, PA.

CATALOGUE FOR THE ASKING.....

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,

AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINIOL STREET, New York.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS, 46 Marion St., NEW YORK.

LIQUID PLANT FOOD

Grows hardier stock; grows improved stock. Stock ships better; also ready earlier. Brings better customers and more profits.

EASTERN CHEMICAL COMPANY, 620 Atlantic Ave., Boston.

IF THERE IS ANYTHING you want in the way of **PREPARED PALMS** Whether the raw materials or the finished goods, you will get best satisfaction and service from the right people on the right spot. Florida Natural Products Co., Jacksonville, Fla. Branch Store, Indianapolis, Ind. Inquiries Cheerfully Answered.

CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c; all polished copper, \$1.00. Cash with Order. Weighs boxed, about 5 pounds. Buyer pays express. STEVENS & CO., 107 Chambers St., N. Y. City.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & CO., 34 West New York, 30th St. HORTICULTURAL SUPPLIES.

Always mention the..... American Florist when writing advertisers.

Nikoteen Aphis Punk It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!

Skabcura Dip Co.
St. Louis—Chicago.

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

THOS. W. WEATHERED'S SONS,
46 Marion St, NEW YORK.



Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED.)
"The kind that never fall apart."
If your seedman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
180-182 VEDDER ST., CHICAGO.
TELEPHONE NORTH 533.

The Jennings Improved Pans

FOR
VAPORIZING
TOBACCO
WATER
AND TOBACCO
EXTRACTS.

Made for any sized steam pipe.
Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

Circulation

which
Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

For Protection of Your Plants in Winter
You should Use



A LEHMAN WAGON HEATER

Circular and Price List for the asking.

Lehman Bros., Manufacturers.
10 Bond St., NEW YORK.

JAS. W. ERRINGER,
297 Wabash Av., CHICAGO.



Please mention the American Florist when writing.

WRITE

A. F. KOHR, 1521-23 N. LEAVITT ST.,
CHICAGO, ILL.

FOR PRICES OF

Standard Pots

which for strength and porosity combined are the best on the market.

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Please mention the American Florist when writing.



GEO. KELLER & SON,
MANUFACTURERS OF

Flower Pots.

Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'FY,
HARRY BALSLEY, DETROIT, MICH.
Rep. 490 Howard St.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNECKE GO., MILWAUKEE, WIS.

BRANCH WAREHOUSES: Jersey City, N. J.
Long Island City, N. Y.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate, \$4.88	120	7-in. pots in crate, \$4.20	
1500 2 1/2 " " " 5.25	80	" " " 8.00	
1500 3 " " " 6.00	48	" " " 8.80	
1000 3 1/2 " " " 5.00	48	" " " 4.80	
800 3 3/4 " " " 5.80	24	" " " 3.80	
600 4 " " " 4.50	24	" " " 4.80	
320 4 1/2 " " " 4.51	12	" " " 4.80	
144 6 " " " 3.16	6	" " " 4.60	

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents,
51 BRY STREET, NEW YORK CITY

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.
SWANN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.

Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

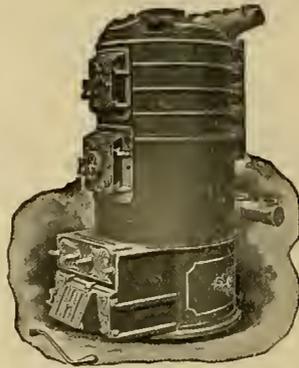
28th and M Streets N. E. WASHINGTON, D. C.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent pre paid for \$2.50. Without spraying valve, \$3.00.
The Hose Connection Co., Kingston, R. I.

Index to Advertisers.

Advertising Rates.....	758
Allen J K.....	763
American Floral Co.....	760 11
Amling E C.....	761
Banner J L & Co.....	760
Barnard W W & Co.....	1
Barnes W J.....	774
Bassett & Washburn.....	761
Baur S Alfred.....	1
Bayardorfer H & Co.....	778
Bentley & Co.....	761
Berckmans P J Co.....	777
Berning H G.....	762
Bindekann Die.....	11
Bieno A & Co.....	774
Blanc Hill Nursery.....	774
Bobink & Atkins.....	775
Boston Letter Co.....	778
Brant S D.....	774
Brant & Noe.....	761
Badiong J A.....	761
Bunyard H A.....	761
Burpee W Alice & Co.....	11
Caldwell the Woods- man Co.....	760
Carmichael D.....	771
Carmody J D.....	111
Chadwick Chas.....	773
Chicago Carnation Co.....	773
Chicago Home Wreck- ing Co.....	111
Christensen Andrew.....	772
Cinola Cut Flo Co.....	762
Clark Wm A & Son.....	776
Coles W W.....	774
Conard & Jones Co.....	775
Conley Foll Co.....	778
Cottage Gardens.....	1
Crabb & Hunter.....	1
Craig Robt & Son.....	776
Croom John & Bro.....	764
Cunningham D O.....	111
Glass Co.....	111
Gumlichman Jos H.....	765
Dalliedouze Bros.....	772
Davis Bros.....	774
Deamud J B.....	760
Detroit Flo'r Pot Mfy.....	779
Dietrich A & Co.....	111
Dillon J L.....	765 770
Dorner Fred & Sons Co.....	770
Dreer H A.....	774 111
Dunlop John H.....	761
Dunne & Co.....	778
Easton Chemical Co.....	778
Eichholz Henry.....	762
Ellis Frank M.....	779
Ernest W E.....	776
Felthousen J E.....	776
Ferguson John B.....	760
Finley Lawn Rake Co.....	777
Flaher Peter.....	776
Floral Exchange.....	776
Florida Nat Prod Co.....	778
Ford Bros.....	763
Fort Dodge G'h Co.....	773
Foster Lucina H.....	776
Frueh Chas & Sons.....	770
Gardening Co The.....	11
Gardens Chronicle.....	11
Garland Geo M.....	778
Geller Elgmann.....	778
Ghormley Wm.....	763
Gibbons H W.....	111
Giblin & Co.....	111
Grave E T.....	770
Gullett & Son W E.....	761
Gunter Wm H.....	764
Gurney Heater Co.....	780
Guttman Alex J.....	763
Hagenburger Carl.....	774
Hall Ass'n.....	772
Hancock Geo & Son.....	772
Harrer Geo.....	763
Hart M A.....	776
Hancock Joseph.....	776
Helas J B.....	776
Heller & Co.....	11
Hennecke C Co.....	779
Herendeen Mfg Co.....	111
Herr Albert M.....	777
Herrmann A.....	778
Hews A H & Co.....	779
Hillrager Bros.....	779
Hill The H G Co.....	11
Hippard E Co.....	111
Hitchings & Co.....	111
Holton & Hunkel Co.....	111
Hooker H M Co.....	780
Horan Edw C.....	763
Hort Adv.....	11
Hose Connection Co.....	779
Hubbard C S Co.....	776
Hunfeld C.....	777
Hunt E H.....	761
Ingram & Lynes.....	774
Invalld Appliance Co.....	779
Jackson & Perkins Co.....	774 775 11
Jacobs S & Sons.....	111
Jennings E B.....	775
Jennings Bros.....	779
Johnson & Stokes.....	764
Kasting W F.....	762
Keller Bros.....	779
Keller Geo & Son.....	779
Kellozq Geo M.....	760
Kennott Bros Co.....	761
Kentucky Tob ProCo.....	777
Kervan Co The.....	777
Kift Robert.....	777
Kohr A F.....	779
Kroeschel Bros Co.....	111
Knehn C A.....	762
Kohl Geo A.....	774 775
Labo Jos.....	775
Lager & Hnreil.....	774
Lakev w Rose Garden.....	769
Lang Julina.....	763
Langjahr A H.....	762
Lehman Bros.....	774
Limprecht S J.....	763
Lockland Lum Co.....	778
Long D B.....	11
Lonsdale Edwin.....	776
Lord & Burnham Co.....	111
Lucas J & Co.....	780
Lynn J A.....	777
McCarthy & Co N F.....	762
McKellar & Winterson.....	765
Mack Tobacco Co.....	777
Mader Paul.....	765
Meyer John C & Co.....	777
Millang Chas.....	763
Miller Frat.....	763
Moller's Gartner Zel- tung.....	11
Moninger J C Co.....	780
Moon Samuel C.....	766
Moon Wm H Co.....	766
Moore, Hontz & Nash.....	763
Morris Floral Co.....	772
Moss Geo M.....	762
Murphy Wm.....	774
Myers & Co.....	780
Niessen Leo.....	762
N Y Cut Flower Ex.....	763
N C Cut Flower Co.....	763
Penock Sam L S.....	762
Pittsburg Cut Flo Co.....	760
Poehmann Adolph H.....	761
Pollworth C C Co.....	760
Pritchard J N.....	780
Quaker City Mch Wks.....	111
Regan H L.....	774
Randall J.....	761
Rawlins E I.....	776
Raynor J I.....	763
Reed Glass & Paint Co.....	111
Rexan Printing House.....	11
Reinberg Geo.....	761 773
Reinberg Peter.....	761 773
Reizer Walter & Co.....	775
Rice M & Co.....	778
Rodgers Alex.....	11
Roemer Fred.....	11
Roland Thomas.....	777
Rolker A & Sons.....	11
Rupp John E.....	765
Runtic Mfg & Con Co.....	111
Saltford Geo.....	763
Sander & Co.....	776
Schillo Adam.....	111
Schmidt J C.....	774
Soollay John A.....	111
Scott Robt & Son.....	767
Shaw F E.....	771
Shalroad Greesho's.....	776
Sheridan W F.....	763
Siebrecht & Son.....	1
Sim Wm.....	774
Sitashoua & Wanta.....	779
Skabura Dip Co.....	779
Smith Nath & Son.....	74
Smith W & T Co.....	1
Soltan C.....	775
South Side Floral Co.....	769
Stahl Chas B.....	763
Stearns Lumber Co.....	111
Stevens Emil.....	778
Stevens & Co.....	778
Stoothoff H A & Co.....	11
Storrs & Harrison Co.....	772
Stover Floral Co.....	774
Studer N.....	774
Sutherland G & Co.....	762
Suzuki & Hida.....	111
Swann Pottery Mfg Co.....	779
Swayne Wm.....	777
Thorburn J M & Co.....	764
Traendly & Schneck.....	763
Vaughan's Seed Store.....	765 766 773 775 1
Vasey W J & M S.....	773
Vick's Sons Jas.....	11
Vincent R Jr & Son.....	777
Vredenburg & Co.....	11
Waterbury & Co.....	762
Watson G C.....	11
Weathered's Sons.....	111
Thon W.....	778 779 111 111
Weber H & Sons.....	772
Weaver & Don.....	11
Welland & Risch.....	761 771
Welch Bros.....	762
Whilldin Pot Co.....	779
Wieter Bros.....	771
Wilke S Mfg Co.....	111
Wittbold The Geo Co.....	769
Wood Bros.....	776
Woodroffe & Bern- helmer.....	762
Wood, Shubs & Co.....	764
Youns Jno.....	763
Yonck & Nugent.....	763



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse

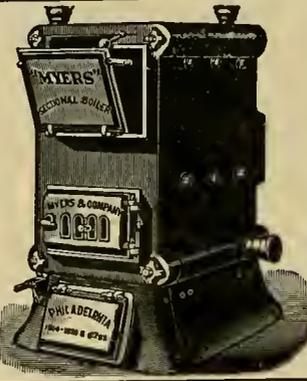
RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK ~ ~ ~ PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

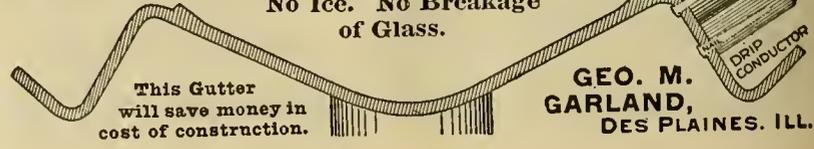
WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

GARLAND'S IRON GUTTER

No Ice. No Breakage of Glass.



This Gutter will save money in cost of construction.

GEO. M. GARLAND, DES PLAINES, ILL.

WINDOW AND PLATE GLASS
JOHN LUCAS & CO. PHILA.

We like to have you tell our advertisers that you read our paper.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, JANUARY 12, 1901.

No. 658.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from the trade.

**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS—PATRICK O'MARA, New York, N. Y., president; WM. F. KASTING, Buffalo, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March 19, 20 and 21, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 44 PAGES WITH COVER.

CONTENTS.

The plant grower's work.....	781
A succession of plants.....	782
Banquet to President O'Mara.....	782
Christmas plants in New York (illus.).....	783
The Christmas trade.....	784
Meeting of Indiana florists.....	785
Boulevard planting in Chicago (illus.).....	786
Carnations—Queen Louise (illus.).....	787
—A Connecticut cultural method.....	787
Boston.....	788
Philadelphia.....	788
New York.....	788
Chicago.....	789
"Here is Another Dollar".....	790
Greenhouse building.....	790
Society of American Florists.....	790
American Carnation Society.....	790
The Vesey greenhouse benches.....	790
The preservation of iron pipe.....	790
Heating a greenhouse.....	790
Obituary—Philip Crowley.....	791
—Karl Ehmann.....	791
—Fred. S. Walz (portrait).....	791
The seed trade.....	796
The nursery trade.....	798
—Covering wounds in trees.....	798
A gardener's reverie.....	798
Our pastimes.....	800
New Haven, Conn.....	800
Lowell, Mass.....	802
Mobile, Ala.....	804
St. Paul.....	806
Albany, N. Y.....	806
Washington.....	808
Minneapolis.....	810
Toronto.....	812
Waterbury, Conn.....	814
St. Louis.....	816
Paterson, N. J.....	818

The Plant Grower's Work.

The holiday season of the year 1900 is now but a memory, and to a majority of those in the trade is doubtless a pleasant memory, owing to the amount of business done and the fact that it was at fairly remunerative prices. Another important factor in regard to the holiday business, of our eastern cities at least, has been the prevalence of mild weather, this having made the matter of the safe delivery of plants and flowers a thing of joy rather than the tribulation that often reigns at that season.

But after the storm there comes a lull, and this is especially evident among the plant growers for two or three weeks after Christmas, and, as a matter of fact, this breathing spell, as we may term it, is sometimes abnormally long, and in turn may itself become a source of tribulation, for the coal pile is disappearing and the other regular expenses are running on just the same.

It has sometimes been suggested that an account of stock might be taken at this time, after the manner of most mercantile establishments, but this does not seem to be the best time for such an operation, for one cannot make a very good showing on a stock book when the best of the stock is gone, and it therefore seems better, at least for the grower of decorative stock, to defer taking an account until after the summer clean-up and when the space is filled up with salable or soon to be salable plants, say from July 1 to August 1.

But there is a good deal of planning that may be done now in order to avoid the mistakes of the past season, for we take it for granted that though the perfect plant grower may be among the wonderful productions of the twentieth century, yet it can scarcely be said truthfully that he now exists, for we all make mistakes at some time or other, and some of us make quite a great many of them.

One of the lessons of the holiday season is that in many places there is not variety enough of good plants offered, and that bright colors are particularly sought for. Bright-berried plants such as well-grown ardisias, well-colored dracaenas of the terminalis type, Azalea Simon Mardner and poinsettias quickly attract attention and find ready sale, while for the cheaper trade some shapely solanums are very useful.

But it must be remembered that a salable ardisia in a 5-inch or 6-inch pot usually takes two years in preparation

for the market, so one cannot grow them as a "catch crop," as may be done with Boston ferns or other rapid growing plants, and consequently they cannot be sold profitably at a very low price. A night temperature of 55° to 60° is about as high as should be given to Ardisia crenulata in order to grow stocky and well furnished plants, and they should not be crowded too much or the lower leaves may suffer. If these plants are given too high a temperature much more trouble is had from insects, both white and brown scale and red spiders being very troublesome under such conditions.

The bright-colored dracaenas referred to require a much less time for their production. Young stock in 3-inch pots in June will make good specimens in 6-inch pots before Christmas if they are shifted on as soon as ready and given liberal treatment generally. These dracaenas enjoy heat and moisture during the summer, the moisture being especially necessary overhead in bright weather to discourage thrips and red spiders, but during the latter part of the season plenty of ventilation should be given so that the foliage may be hardened to some extent before the plants are offered for sale. Various fertilizers may be used in reasonable quantity with good results in dracaena growing, but so much depends on the character and quality of the original soil that it is not safe to offer a positive formula, and it is probably safer to advise the experimenter not to overdo the matter at first, or a severe attack of indigestion and possibly a bad case of "spot" may be developed among the plants.

It is a little too early to do anything with poinsettias yet, this being about the time the old plants begin to take a rest, but after a few weeks of ripening in seclusion they may again be brought forward, for example, after the Easter rush is over and various spaces on the benches are yawning to be filled. And the mention of Easter reminds me that this great festival of flowers falls due on April 7 this year, and that consequently that twelve weeks period that is usually conceded to be required for the forcing of hydrangeas should begin at once, or else there is likely to be a very much forced finish given to the plants, with the inevitable result shown in the poor quality.

Easter lilies should be moving along nicely now and should preferably be about six inches in height at the present time, and some of the empty bench space may be well occupied in spreading this valuable stock, for perfect plants of either

L. Harrisii or *L. longiflorum* should be furnished right down to the pot with healthy, dark green, unbroken leaves. This may seem like a high ideal, but, nevertheless, perfection does not mean anything less than this in regard to the foliage, while the flowers must be uncrippled by the bites of aphids. The free use of tobacco stems among the lilies or the vaporizing of tobacco extract in the house in which they are grown are doubtless among the most effective methods of fighting the aphids, but to gain the best results the fight should be begun before the enemy appears by using the tobacco as a preventative.

Among the foliage plants in general the growth is not very active just now, and an extensive repotting had better be deferred until the sun gets stronger and the conditions are better adapted for progress. But any lots of young stock that may be badly pot-bound and liable to lose color should be potted without hesitation, provided that a sufficient degree of heat can be given the newly potted plants to ensure their re-establishment. This does not mean an extremely high temperature, but rather a steady one averaging 60° to 65° at night, this being quite enough for the usual list of palms, ferns and other decorative stock that is found in the average commercial place. Such a temperature as that noted would be scarcely enough for growing on young crotons, but with a heating apparatus capable of providing a night temperature of 70° to 72° there need be no delay in shifting young crotons just as soon as they are in need of a shift.

W. H. TAPLIN.

A Succession of Plants.

[Read before the Chicago Florists' Club by John Reardon, gardener to Martin A. Ryerson, Chicago.]

The gentleman who introduced this subject, a succession of plants to keep greenhouse benches full, must have had in mind the days of thirty years ago, when it meant something to have a succession of plants. The practice of late years has been to plant permanently. I am glad to see some of the good old plants coming to the front again. In a paper of this kind it is impossible to name all the plants that are required by a florist to round out his year's work. Our trade papers cover the ground accurately and fully.

The up-to-date gardener must anticipate six months ahead what he will keep his benches full with and whether he will raise his plants from seed or cuttings. The first of October ought to find all available space occupied. The chrysanthemum house will be the first emptied, and what a wreck one quickly makes here. I pity the florist who has not made provisions to fill this house. It may be that the florist who has the material to fill the empty benches is not always the one in most need of the money. This may sound funny but it's true. Gentlemen, kindly pardon me if I don't hew closely to the lines of my subject.

There is a difference of two months or more between the early and late chrysanthemums; it requires some knowledge of varieties to plant the house right. On the south bench plant the early varieties and if possible commence cutting at the east end of the other benches. By so doing you never have much of the benches empty at any time and your chrysanthemums do not throw shade on the plants you fill up with. For a succession of plants I would suggest primroses, cinerarias, Roman hyacinths, Paper White

narcissi, azaleas of early varieties, stevia, heaths and if possible, bouvardia, cyclamens, begonias and poinsettias. Wholesale growers fill up with *Lilium longiflorum* and *L. Harrisii* for their winter and especially for their Easter trade.

As you dispose of your stock have something always to take its place. Christmas trade has left us with some empty space. Bring in tulips and Dutch hyacinths and Von Sion narcissi. Keep a sharp lookout now for what you want for spring bedding plants. The propagating bench must be kept busy. Keep



THE LATE FRED. S. WALZ.

up the succession with lilies, azaleas, *Astilbe Japonica*, *calceolarias*, acacias, heaths, rhododendrons, genistas, hyacinths, tulips, hydrangeas, hybrid perpetual and Crimson Rambler roses and fuchsias. These are the plants you want for Easter trade.

The first of March is a very busy time for the gardener, sowing seed, propagating and repotting. Keep the greenhouse benches full with geraniums, cannas and the thousand other plants that go to make up a florist's stock for his spring and summer trade. Don't forget you may want to plant the chrysanthemum house again; have plenty of stock. Keep the houses looking as well as possible through the summer. This can be done with *gloxinias*, *gesneras*, *achimenes*, *Mevenia erecta*, *Rex begonias* and fancy *caladiums*.

I said I was glad to see the plant trade reviving again. When I see the heather brought down from the mountain after a sleep of twenty years, can you wonder that the younger gardeners do not know how to treat Old Rip. I believe there is a good business awaiting the man who will go into this feature of the plant trade near Chicago. What grower around here has made as much money at Christmas time as the Chicago retail florists sent east for their plant trade?

It may not be out of place for me to mention a few good old plants coming to the front again, such as *Mahernia odorata*, *Euphorbia jacquinaeflora*, *chorozema*, and *Poinsettia pulcherrima*. The *epacris* and *ericas*, known as heath, are grand plants and are as easy to propagate as carnations and can be had in bloom from Christmas to Easter. *Bouvardias*, *jasmynes* and *camellias* are all useful. The azalea always held its own, but how maltreated it is in most florists' hands

to-day. I have often thought and wished that the source of supply of this plant was cut off for a few years in order that florists would appreciate and take better care of this, the grandest of all our spring flowering plants.

In conclusion I may say if you don't grow chrysanthemums, grow the list of plants I herewith present to you, grow plenty of them and you will always have plenty of stock to keep your greenhouse benches full.

Banquet to President O'Mara.

Patrick O'Mara, the retiring president of the New York Florists' Club and the new executive of the Society of American Florists, was feted at a banquet given by the New York organization on the evening of Thursday, January 10, at which nearly 100 gentlemen were seated, including many notables from a distance. The banquet hall was decorated in the highest art of the craft, and Charles B. Weathered officiated as toastmaster with his customary ability and dignity. The menu was one of the kind to tickle the palate of an epicure, and the gastronomical feast preceded a flow of soul such as might have been expected with such a gathering. Mr. Weathered's first call was for the toast "Our Honored Guest," to which Wm. J. Stewart responded, saying in part:

When called upon to select men to fill positions of trust we choose from among our fellows those whom we regard as most capable and worthy of the honor conferred, but the only lasting honor that can come to the individual thus singled out depends, in a great degree, on the fidelity and zeal with which he deals with the responsibilities committed to him. Then, when problems have been met and solved, when the fight has been made and victory won, when the record has been written and we find it clean, then it is such an occasion as this that impresses us with its appropriateness and significance. From far and near we have gathered around this festal board, actuated by the same impulse, to testify, in this social manner, our esteem for a friend whom we have proved worthy of all this, and to speak to him those sublime words, "Well done good and faithful servant." In thus honoring him we can truthfully say we are also benefitting ourselves, for the world affords no greater incentive to enterprise and manly effort than the influence of good example. Occasions like this, induced by such an object, ennoble life, strengthen fortitude, cement friendship and tend to leave us better men in every respect.

Mr. Stewart then alluded appreciatively to the enduring lustre that has come to the New York Florists' Club and the broad benefits to American horticulture through the administration of affairs under President O'Mara during the momentous year just closed. He praised his diplomacy, his patience and the harmonizing influence which he exercised, and then, addressing Mr. O'Mara, presented to him, on behalf of the company, a handsome scarfpin, an emerald set in diamonds, as a memento of this pleasant event and a pledge of fealty during the coming year, assuring the recipient that the beautiful green stone typified the undying love and friendship that had prompted the gift.

A scene of unbounded enthusiasm followed, and Mr. O'Mara, ordinarily so self-possessed, was completely nonplussed for once. After he had time to collect his thoughts he made an appropriate



CHRISTMAS PLANTS IN NEW YORK.

address, which was closely listened to and frequently applauded. He deprecated any special claims to credit for the work accomplished by the New York Florists' Club during his administration, stating that he had only tried to do his duty as a man owed it to himself and to his fellow men. He said that was the spirit by which he hoped to be actuated for life and that he had been nobly supported by his fellow members and had taken pleasure in standing shoulder to shoulder with them as comrades in good work. He said that while we may not all be called upon to lead great events, whenever the call does come let us all do our part in the age in which we live. Jokingly, he said there was danger that he might get too "chesty" and find difficulty in getting down to earth again, but he assured his hearers of one thing, however, that when there is work to be done they will find him "the same old Pat." He took the opportunity to make an appeal for earnest effort on behalf of the national society during the coming year, and also spoke hopefully regarding the plans of the New York Florists' Club for a great exhibition next October. In closing, Mr. O'Mara expressed fervent thanks for the token of friendship, saying that in his memory this event, like the emerald, will always remain green.

The orchestra then lead the company through a verse of the "Star Spangled Banner" and W. C. Barry, of Rochester, was called upon to respond to the toast, "Our Country." Mr. Barry's address was both patriotic and eloquent. He said no victories are ever won without a struggle, either by nations or individuals, and pointed to the guest of the evening as an example worthy of emulation. He spoke of the remarkable progress of the S. A. F. and the wonderful advancement achieved in horticulture, a progress in which America holds no second place. He said that the tillers of the soil are doing their part to uphold their country's glory and to maintain her prestige, and that the other nations of the world are just beginning to realize our importance and power.

John N. May responded to the toast, "Our Profession," and stated that he could offer no better example of what the followers of our profession should be than by indicating the guest of the evening, a man of broad mind, kindly disposition, generous to a degree, a man in whom the poor and struggling gardener never fails to find a friend. Mr. May went on to show briefly the wide range of subjects covered in the modern practice of our profession, and stated that no one

person can possibly attain proficiency in all the varied details of floriculture as it is followed to-day. He spoke of the skill of the landscape artist, of the men of floriculture who have done so much to improve roses, carnations, chrysanthemums, orchids and many other subjects, and also said a word for the man whose art has done so much to bring flowers into favor, remarking that no greater progress has been made than in the art of floral designing as compared with the methods practiced not so many years ago.

W. F. Gude, of Washington, an ex-president of the S. A. F., responded to the toast "Our Societies," and soared to heights of eloquence attained by no other orator of the evening. In forecasting the administration of President O'Mara, he told the story of the French ambassador whom Louis XIV instructed that his lines of conduct were to be shaped in a course entirely different from that of his predecessor. "Sire," replied the courtier, "I hope to act so that your Majesty will not need to give such instructions to my successor." Mr. Gude said that the parent society should be proud of her offspring, the rose, carnation and chrysanthemum societies, for they are doing much good, each in its chosen way.

J. W. Withers spoke for literature, A. S. Burns for our pastimes and E. M. Wood, with his customary gallantry, paid tribute to the ladies. John Young, secretary of the Florists' Club, read many congratulatory letters and telegrams from all over the country, and the festivities of the evening concluded with Auld Lang Syne. The elaborated menu was as follows:

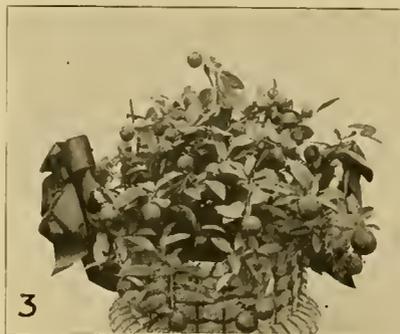
MENU.

- BLUE POINTS. "He was a hold man that first eat an oyster."
- APPETISEUS. "Whereof a little more than a little is by much too much."

- CELERY. "This hitteth the nail on the hed."
- FANCHETTE SOUP. "It is meat and drink to me."
- FILLET OF SOLE, TERRON. "There was a little man, and he had a little soul; And he said, 'Little Soul, let us try, try, try!'"
- SLICED CUCUMBERS. POTATOES. "A sunbeam in a winter's day."
- SWEET BREADS, LARDEE, TOULOUSE. STUFFED ARTICHOKE. "My appetite comes to me while eating."
- TENDERLOIN OF BEEF, CAENNAISE. "A very gentle beast, and of good conscience."
- MUMM'S EXTRA DRY. "Moderation, the nob'est gift of heaven."
- STRING BEANS, STUFFED POTATOES AU GRATIN. "Infinite riches in a little room."
- ROAST MALLARD DUCK, CURRANT JELLY. WALDORF SALAD. "A dish fit for the gods."
- MACON. "And wine can of their wits the wise beguile, Make the sage frolic, and the serious smile."
- VANILLA SOUFFLE. STRAWBERRY ICE CREAM. ASSORTED CAKES, COMPOTE OF FRUITS. "A wilderess of sweets."
- ROQUEFORT AND CAMEMBERT CHEESE. TOASTED CRACKERS. "Warmly pure and sweetly strong."
- COFFEE. "Sensations sweet, Felt in the blood, and felt along the heart."
- CIGARS. "Thy clouds all other clouds dispel, And lap me in delight."
- TOASTS. "Would'st thou be eloquent? Then always say Plain, simple things in plainest, simplest way; A homely thought is like an honest maid, Most ill at ease in spangled togs arrayed." Toastmaster—C. B. Weathered.
- OUR HONORED GUEST. "Whose wit in the combat, as gentle as bright, Ne'er carried a heart-stain away on its blade." Responded to by Wm. J. Stewart.
- OUR COUNTRY. "With malice towards none, with charity for all, with firmness in the right, as God gives us to see the right." Responded to by W. C. Barry.
- OUR PROFESSION. "Give fools their gold and knaves their power; Let fortune's bubbles rise and fall; Who sows a field or trains a flower Or plants a tree, is more than all." Responded to by John N. May.
- OUR SOCIETIES. "The many still must labor for the one." Responded to by Wm. F. Gude.
- OUR LITERATURE. "Exhausting thought, And hiving wisdom with each studious year." Responded to by J. W. Withers.
- OUR PASTIMES. "Ah, why Should life all labor be?" Responded to by A. S. Burns.
- THE LADIES. "Auld nature swears the lovely dears Her noblest work she classes, O, Her 'prentice han' she tried on man, An' then she made the lasses, O." Responded to by E. M. Wood.
- "Farewell! a word that must be and has been, — A sound which makes us linger; yet—farewell!"
- AULD LANG SYNE. "There is no ancient gentlemen but gardeners."

Christmas Plants in New York.

In the number of flowering and foliage plants disposed of for holiday gifts New York is far in advance of her sister cities in America as she also is in the manner of presenting them and making them attractive to the public by the use of various decorative accessories. The



CHRISTMAS PLANTS IN NEW YORK.

causes which have led up to the present popularity of plants at Easter time and the holidays and the question of the responsibility of the cut flower profession for the encroachments made by the plant trade in recent years have been discussed and speculated upon quite generally, but, aside from all other considerations, it is an undoubted fact that the care and taste exercised by the retail florists of the metropolis in giving an attractive holiday dress to the goods, which pleases buyers, has had much to do with the rapid growth of this branch of their business.

The general illustration of plants in the store of Geo. M. Stumpp gives a good idea of the interior of the better class of florists' stores in New York as arranged for the Christmas trade. The work of making up these plant combinations is all done in the basement and only the finishing touch of ribbon or cord and tassel is done in the salesroom. Nos. 1, 2 and 3 of the basket illustrations represent some of the most popular styles arranged by Alex. McConnell. No. 1 is a round basket of straw braid, the handle wound with scarlet and tied with a bow of the same color. The contents are *Dracæna terminalis*, *Dracæna Godsefiana*, *ardisias* and ferns. From the handle is suspended a bell of scarlet immortelles and the ribbon bears the inscription "Merry Xmas" in gold letters. No 2 is an oval dish of braid and seagreen luffia. *Dracæna terminalis*, *Pandanus Veitchii*, *Erica melanthera* and ferns are the material used in filling and the effect is very rich. No. 3 is a round braid basket containing fruiting orange trees, and decorated with a bow of orange satin.

The other examples are selected from the stock of George M. Stumpp, and it will be noticed are distinctly more floral in their contents than are those offered by Mr. McConnell. No. 4 is an ivory white hamper filled with *Gloire de Lorraine*, lily of the valley and erica, and trimmed with a bow of white satin. No. 5 is a hamper of birch bark and seagreen luffia. A pink flowered epacris, *Gloire de Lorraine*, and *adiantum* are the contents, and the combination with seagreen ribbon and cord and tassels is exceedingly delicate and pretty. The Christmas wreath of pine, holly and ilex berries, with bows of scarlet and gold green ribbon (No. 6) represents the prevailing popular style of wreath among the high class buyers. Mr. Stumpp made a specialty of these tied with a heavy cord and tassel in place of the ribbon. No. 7 is a

single plant of epacris in a celluloid pot cover and festooned with a little pink cord and tassels.

The Christmas Trade.

The following belated reports of the holiday trade show that prosperity was general during the season from New England to the Pacific:

GRAND RAPIDS, MICH.—Trade was one-fifth ahead of a year ago, with supply adequate except Meteor roses and carnations, and these were the principal items of demand. Crabb & Hunter say that the sale for greens fell off.

FORT WAYNE, IND.—W. J. & M. S. Vesey report holiday business as one-fourth greater than a year ago, with inadequate supplies in all lines of cut flowers. Carnations were particularly good and very popular. There was lively sale for ferns for gift purposes.

OMAHA, NEB.—S. B. Stewart reports Christmas sales greater than ever before, and says that more carnations might easily have been disposed of had they been available. There was a good demand for bulbous stock and a fair supply. Decorative plants sold well.

QUINCY, ILL.—Christmas trade and business since has been unusually good. C. F. W. Gentemann reports disposing of everything in the line of blooming plants, and at Christmas obtained the best prices on record for roses and carnations. Most of the growers here had good crops at the holidays.

SAN JOSE, CAL.—The Garden City Floral Company reports that holiday prices were about as last year and that there was not stock enough of cut flowers although sales increased twenty per cent. There was very little call for bulbous material. Qualities were generally better than the year before.

WATERBURY, CONN.—The holiday season brought increased sales of plants, Boston ferns being particularly popular. Holly and greens were in great demand. Sales in the aggregate increased about one quarter, according to Alex. Dallas. There were short supplies of roses and carnations, and prices on the latter were rather higher than usual at Christmas.

READING, PA.—Trade is estimated to have increased twenty-five per cent over the holidays of last year, with prices about as heretofore. There were ade-

quate supplies in all lines of cut flowers. Roman hyacinths were in good demand and stock was better than a year ago throughout the list. Hoskins & Giles report increased sales in flowering plants.

BIRMINGHAM, ALA.—H. A. Lindsay reports that Christmas sales were fifty per cent ahead of last year's, and that retail prices were proportionately higher owing to the higher prices paid for stock shipped in. There were not nearly enough roses, carnations or violets, and hyacinths and narcissi outran lily of the valley ten to one, but the principal demand was for carnations.

SAN FRANCISCO, CAL.—E. W. McLellan & Co., report that while Christmas sales were greater than ever before, the increase in demand was for the medium grades of stock, the sales of select flowers not being larger than a year ago. There was increased call for flowering plants and also for violets. There were more bulbous flowers than could be sold, but not enough roses, carnations or violets.

VANCOUVER, B. C.—James Pont reports that the holiday season brought increased calls for flowering plants and carnations, although roses and violets were preferable to bulbous flowers in the eyes of nearly all buyers. The supply was not equal to the demand, although prices were not advanced over last year and sales were little, if any, larger. Qualities were about as heretofore.

CARTHAGE, MO.—Perry Finn says that the holiday sales were double those of a year ago, with prices on the usual level. Carnations and violets were short but there were adequate supplies of bulbous stock, although that was not very much. There was a special call for red carnations. Christmas greens were also in demand, and flowering plants were in increased favor as Christmas gifts.

NEW ORLEANS, LA.—U. J. Virgin says that his Christmas sales were about forty per cent higher than a year ago. He had adequate supplies of cut flowers, but in general the qualities were not as good as they should have been. Roses sold well but there was little call for carnations. The plant trade increased about fifty per cent. Azaleas and ferns sold well, but flowering plants were most popular.

TIFFIN, O.—Lewis Ullrich reports the holiday trade as much better than in any previous year. He sold out every cut flower on the place. A great many plants



CHRISTMAS PLANTS AND WREATHS IN NEW YORK.

were moved and there was an unusually good business in holly and Christmas trees. During the holiday week Mr. Ulrich gathered a crop of 100,000 seeds of *Asparagus plumosus* and has about 50,000 more to pick. The most of these he will sow at once.

NEW BEBFORD, MASS.—W. G. Kraber says that there was enough stock to meet all the Christmas calls, but there was no surplus. Trade was twenty-five per cent higher than a year ago, with prices very good. There was a marked increase in the call for carnations and the flowers were very fine. *Begonia Gloire de Lorraine* sold very well. Competition outside the trade spoiled the holly and wreathing business for the florists.

VICTORIA, B. C.—Christmas trade was fifty per cent ahead of a year ago. There were not nearly enough cut flowers because the cloudy weather retarded crops. Bulbous material was the only item in adequate supply. A large quantity of chrysanthemums were still on hand and sold well. A great many palms in 5-inch or 6-inch pots might have been sold had they been on hand. The supply was early exhausted, according to J. T. Higgins.

RICHMOND, IND.—The E. G. Hill Company reports that the holiday just past saw prices more freely paid than usual. First-class stock was wanted, with little call for lower grades. Sales in Richmond were estimated at fifty per cent ahead of last year with prices about twenty per cent higher than the previous Christmas. The principal shortages were in the items of stock which were most in demand, Beauties, violets and red carnations. There was no demand for bulbous stock. The growers of blooming plants enjoyed increased sales.

ST. PAUL, MINN.—A. S. Swanson thinks twenty per cent increase over a year ago the correct estimate of the present holiday trade. There were plentiful supplies of all lines of cut flowers but it was necessary to procure a great deal of the stock from Chicago. Qualities in general were not up to the usual standard, except on Beauties, which were very fine. There was, perhaps, an increased call for red carnations but they are always in such great demand at Christmas that there are not enough of them to go around. There was increased call for flowering plants for gift purposes, and, as usual, the preference was for the bright colored sorts.

Meeting of Indiana Florists.

The annual meeting of the State Florists' Association of Indiana was held at the agricultural rooms of the State House, Indianapolis, January 8, in two sessions, afternoon and evening. President Haugh, of Anderson, opened the meeting by reading a paper in which he gave a review of the progress made by the florists of this state the past year. He said in part that last year, generally speaking, had been a prosperous one for our trade, but that 1901, according to indications, would be the banner year. He also called attention to the fact that florists more and more show an inclination to build of more lasting material and thereby greatly increase the value of their places. This, the speaker said, more than anything else, shows the healthy condition of our trade. Mr. Haugh's paper was listened to with more than ordinary interest and was warmly applauded.



CHRISTMAS PLANTS IN STORE OF GEO. M. STUMPP, NEW YORK.

At the evening session, the ever-present show question being brought up again, Bertermann Brothers asked whether they would have the support and good will of the society on the following proposition: They, in connection with a few other florists and several business men of the city, to take the management of a fall show in their own hands, put up a guarantee fund sufficiently large to insure payment of all expenses, including premiums, the society to be consulted in making out the premium list. After an animated discussion it was announced that if the promoters could report their plans in working order at the February meeting they would have the support of the society; if not the society will make an effort to arrange for a show on different lines.

On Mr. Langstaff's "perennial" motion, Messrs. Hill, Langstaff, Coles, Rieman and Heller were appointed a committee to undertake the hopeless task to secure a state appropriation for the society.

In the choice of officers the present incumbents were re-elected as follows: President, J. A. E. Haugh; vice-president, W. W. Coles; secretary, Robert McKeand; treasurer, Mr. Huntington. Frank Aliey was elected second vice-president in place of Mr. Langstaff, who declined re-election.

Upon the executive committee Wm. S. Bertermann, W. W. Coles, Herbert Heller, John Heidenreich and H. Junge were appointed.

A. Nelson invited the society to hold the next meeting at his place, and Herbert Heller asked that a visit be paid to New Castle February 15. On a motion of E. G. Hill, the secretary was instructed to invite the American Carnation Society to honor Indianapolis by making it the meeting place in 1902.

The exhibition was unusually fine and comparatively large. Mr. Coles, of Kokomo, made a fine display of carnations. The varieties shown were Genevieve Lord, Bradt and Crocker, the latter being especially fine. It was much praised by Mr. Coles, who declares it to be his favorite pink. The E. G. Hill Company exhibited roses, Liberty, Sunrise and White Lady. The latter is a tea hybrid similar in color to Pres. Carnot, but larger and a shade lighter. Sunrise is said to be a seedling of Perle, with very dark, almost bronze foliage, and a color approaching orange, otherwise resembling the parent. Their carnation display consisted of Avondale, Marquis, America and Elma. The latter is a new, promising shell pink which originated with Baer & Smith, of Indianapolis.

They also had in their display a fine vase of John Hartje's new chrysanthemum, Golden Beauty.

The South Park Floral Company showed a vase of Bridesmaids of well known New Castle quality. Bertermann Brothers had a vase of carnations in varieties which were beautiful and a table of pot plants admirably arranged. An immense cyclamen plant, several orchids in bloom and quite a number of foliage plants were specially noticeable in their display. Henry Riemann had a similar display. Most prominent on his table was a vase of a promising pink carnation seedling and several specimen plants of Gloire de Lorraine begonias. He also had several plants of *Cypripedium insigne*, quite a specialty of his, and a very fine plant of *Phoenix Canariensis*. As usual the Smith & Young Company showed Marie Louise violets that would be hard to beat.

The judges, Messrs. Hartje, Nelson and Junge, awarded certificates of merit to E. G. Hill's new rose, White Lady, and Stuart & Haugh's new carnation, Avondale. They also made honorable mention of W. W. Cole's display of carnations, Bertermann Brothers' general display; Henry Riemann's begonias and phoenix, of roses exhibited by the South Park Floral Co., and of violets exhibited by the Smith & Young Co. H. J.

Boulevard Planting in Chicago.

On November 27, 1900, the park authorities in the city of Chicago awarded a contract for the landscape embellishment of the middle parkway on Douglas boulevard. This improvement has been under consideration for nearly two years and six local landscape architects have, in the meantime, made one or more plans each, until finally the design furnished by P. S. Peterson & Son was accepted. The money payment called for by the contract is \$10,850.

Douglas boulevard extends west from Douglas Park, on what would be Fourteenth street, for over a mile to Hamlin avenue, where it enters a small park which is soon to be the site of an ornamental bronze fountain costing \$15,000 set in the center of the lawn space. From here the boulevard goes directly north for another mile to Garfield Park. Unfortunately the term "boulevard" is

used so indiscriminately in Chicago that often a narrow street which is swept by park employes is so designated. However, this one is 250 feet wide. The sidewalks along the abutting property are eight feet wide; then there is a grass plat of fifteen feet, with a row of six-inch elm trees. The central lawn, 125 feet in width, is flanked by forty-foot drives, one being asphalt and the other macadam, thus offering a choice of roadbeds. This boulevard is to be the gem of the West Park system and the class of residences already built there are of a character in keeping with the improvement.

Compared with Drexel boulevard, Douglas is longer, fifty feet wider and the soil is much richer. There was a great diversity of ideas as to the advisability of running walks down the center lawn, through the plantations, in addition to those along the lot line. Formal walks make it necessary to plant in a very rigid, monotonous manner and many of the designs make no provision whatever for paths.

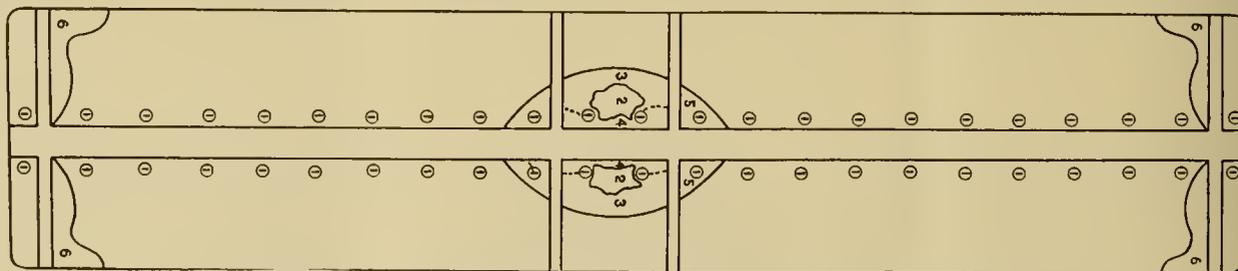
The consensus of opinion, however, was that a continuous scheme of walks was demanded, so as to relieve the congestion at the two parks which it connects, and that in certain blocks the paths should be supplied with seats. Of the sixteen blocks into which the work has been divided, there is an equal number planned with regular and irregular walks. The paths are in places so arranged as to conform with the short cuts which the public makes in taking the elevated or surface roads. The total improvement has been considered as a unit and as many varied effects presented as would be consistent with harmonious treatment. The styles vary from strictly formal through all intermediate stages to purely rural and in certain sections the predominating idea is to obtain a special effect for a particular season; however, there has been interspersed into every landscape sorts with different characteristics so as to always produce a pleasing view.

The material called for in the plan ranges from herbaceous plants, through a great variety of shrubbery from one to ten feet high, to the thirty-five foot trees eight inches in diameter. Over 10,000 plants are called for in the specifications and the contract requires local, acclimated nursery stock and the selec-

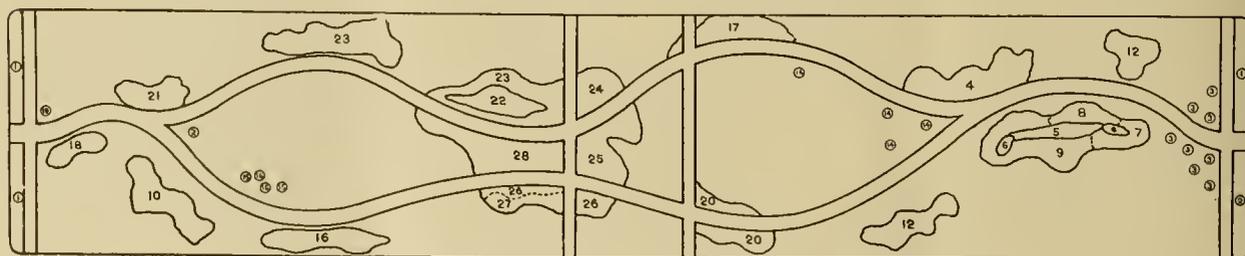
tion embraces a comprehensive arbor-tum of everything hardy and of merit in this region. The sizes are in every instance to be the best for both immediate and permanent effect. Owing to the difficulty of making evergreens do well in the city none have been planned for. In a few blocks reservations have been made for hedging plants, though for the present such material will not be planted. According to certain standards in landscape work variegated or purple-leaved shrubs are not favored; however, a limited number in three blocks have been used in formal individual beds instead of foliage plants. A large assortment of perennials is to be used in a similar manner.

The formal block illustrated is from the north and south section, at Twelfth street, and is the most simple of any in treatment. This walk is fourteen feet wide, with trees set back six feet and twenty-six feet apart down the row. These forty-six line trees are cork-barked elm, *Ulmus racemosa*, six inches in diameter and each one of them a selected specimen, uniform in every particular and as straight as a ramrod. All were planted with frozen ball of earth six feet across and three feet deep. No. 6 in the diagram, the shrubbery at each end, is prickly ash, which serves the double purpose of being ornamental and keeps the corners from being cut across. This, like most of the blocks, is 600 feet long and unfortunately had the cross-walks all in before the planting was begun. The oval group in the center relieves the severity of the line and hides the cross-walks. No. 2 consists of catalpas in bush form, ten feet high; No. 3 is Russian mulberry six feet high, planted on the outer edge; No. 4 is paniced dogwood three feet high, along the mall and under the elms, and the four points of the oval are green barberry three feet in height.

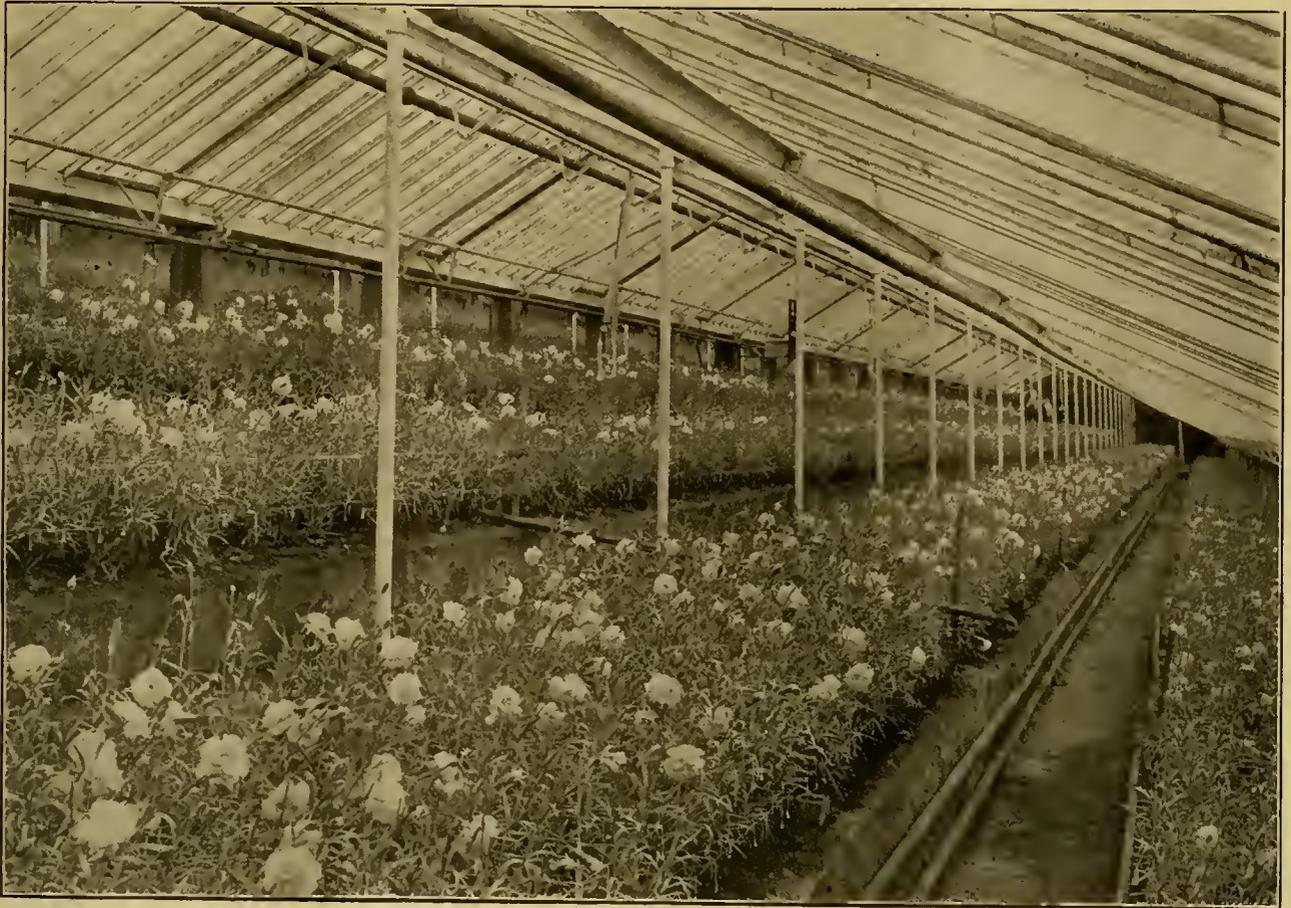
The other block illustrated lies west of Kedzie avenue and is selected to show the opposite extreme. It is the only block of natural treatment where two walks are used; these are eight feet wide and after uniting continue ten feet in width. Aside from the four cross-walks, all the paths are pleasingly curved to harmonize with the location of the trees and shrubbery and were planned to be inconspicuous and as little in evidence as possible. Two European lindens stand



A FORMAL BLOCK IN THE DOUGLAS BOULEVARD PLANTATION, CHICAGO.



A NATURAL BLOCK IN THE DOUGLAS BOULEVARD PLANTATION, CHICAGO.



A HOUSE OF CARNATION QUEEN LOUISE AT CHRISTMAS.

as sentinels at the entrance. No. 3, are specimen thorn bushes planted individually. No. 14, are canoe birch. All the mass planting is to have the outline cut in a waving manner, with the sod turned under between the shrubbery. Nos. 5 to 9 inclusive are various kinds of willows, with the ring-leaved willow in the center, and are surrounded by low-growing varieties such as the dwarf golden and Rosemary. No. 2 is a large Morrow's honeysuckle; No. 12 is a group of aralia; No. 15 consists of four Rouen lilacs; No. 18 is *Hydrangea paniculata*, and No. 21 *Syringa Josikæa*.

Among the rare trees called for elsewhere in the plantations are found Schwedler's maple, the Tartarian maple, the rubicunda horse chestnut, beech, hornbeam, caragana, katsura, Kentucky coffee tree, bronze ash, ginkgo and sycamore, with several kinds of birch, oak, flowering cherry and flowering crab. One block contains thirteen varieties of elm, another five kinds of sumach, including Osbeck's from Japan. In shrubbery use is made of *Celastrus Orlax*, *Euonymus alatus*, *Euonymus Hamiltonianus*, *Rhodotypos kerrioides*, *Lonicera Morrowii*, *Shepherdia argentea*, *Tamarix Odessana*, *Elaeagnus argentea*, *Elaeagnus angustifolia* and *Rosa Gallica*. Four kinds of lignustrum are used, eight of cornus and seven of viburnum. Some of the large trees moved with frozen ball of earth are fifteen hackberry, thirty-five Norway maples, twenty-four lindens, averaging five inches in diameter; some six-inch English elms and eight-inch *Gleditschia inermis*.

Wm. A. Peterson, the manager of Peterson's Nursery, who prepared the plans for this important improvement,

says that two days after they took the contract their engineer and a force of men were in the field and from that time until the ground froze up, the Saturday before Christmas, they planted 8,000 trees and shrubs, outlined the edges of the paths by lifting a strip of sod, dug very large holes for the shrubs and seven-foot holes, two feet at least in depth, for all the trees. All these excavations were filled with black soil. During the last two weeks they have planted with frozen ball 160 trees. Four days' work next spring will complete the planting. All of the material came out of the contractor's own nursery and Mr. Peterson takes pride in the fact that many of the varieties are unobtainable elsewhere. The work is covered by a three-year guarantee with heavy bond. Mr. Peterson says that they are prepared to take two more similar contracts for execution before spring with material from their nursery.

CARNATIONS.

CARNATION QUEEN LOUISE.

The accompanying illustration shows a house 20x210 feet at the establishment of J. L. Dillon, at Bloomsburg, Pa. This house is planted with Carnation Queen Louise, the white variety with which Mr. Dillon captured the first prize for 100 blooms at the exhibition in connection with the Buffalo meeting of the American Carnation Society. The photograph from which this illustration was reproduced was taken at Christmas, for which special demand it supplied 2,700 blooms of the first quality. As this is one of the newer varieties, it is interesting to note

that in December this house afforded 8,872 blooms and since planting in time, September 15, it has produced 20,800 flowers.

A CONNECTICUT CULTURAL METHOD.

I have had very good success with carnations and believe that my methods of culture will interest many growers. The compost should be fairly rich, about one-third rotted cow manure and two-thirds soil. As the heap is being composted, add the necessary lime and bone meal, at least fifty pounds of the bone and half a barrel of air-slaked lime to enough compost to fill a 100-foot house.

Have the plants well cleaned before planting them in the house, as cleaning them afterwards gives them a great setback. After the house is planted and the paths are swept out, give the benches a thorough watering, one which will wet the soil clear through, and from then on never allow the soil to become dry, that is, dry enough so as to crumble in the hands like bread crumbs. The soil should be moist at all times, as carnation plants do not take kindly to being soaked and then allowed to get pretty dry before another soaking; this alternate soaking and drying causes many plants to die of stem rot. I keep my soil moderately wet, even if I have to do some watering every day. I also give my plants a good, stiff spraying at least once in two weeks. This washes the dust from their lungs, as more or less dust is bound to gather in them, and keeps red spider in check.

At the first of November I give my plants at least two good manure waterings, waiting only four or five days after

giving the first one before giving the second application. No more fertilizer need be given until the middle of January or first of February and then give them four or five doses of it, one week apart, and the plants will be in fine shape to hold all summer. The quantity and quality of bloom amply repays for all time and trouble and by applying the stimulant at the time I speak of I find it helps my crops in for Christmas and Easter.

I never bench my plants with any buds on them and hope to strike crops just right for Christmas and Easter. To get plenty of flowers for these two periods I find my plants must all be housed before September 1 and have a night temperature of 50° to 54° and a day-time heat of 65° to 70°. I keep them at that right through the season, although I sometimes increase this temperature 5° ten days before Christmas to hurry up some extras.

The top of the soil should be lightly scratched over at least every four to five weeks. Work the soil away from the plants, not up against them. In the summer, when the sun is red hot, I keep my houses well shaded, and when loosening the soil break off any dead or dry branches that may be on any of the plants.

FRANK P. BRIGHAM.

Boston.

SUPPLY AND DEMAND VERY EVENLY BALANCED.—TRADE FAIRLY ACTIVE AND SKIES BRIGHT.—NEW PRESIDENT OF HORTICULTURAL SOCIETY TAKES UP REINS OF MANAGEMENT.—A VERY EXCELLENT EXHIBITION.—VARIOUS NOTES OF TRADE INTEREST.—JOTTINGS HERE AND THERE.

Business has taken up the even tenor of its way and, with sunny skies, there is nothing sensational in the way of demand that cannot be supplied and nothing in the way of supply that cannot be taken care of, if values are not too ambitious. Roses are moving along fairly well, all varieties finding a market at average rates. Carnations are coming in more rapidly, with downward tendency of prices. Violets are blooming heavily and have got down to rock-bottom figures but are of excellent quality as compared with the average as found in this market. Retailers are fairly busy and it would seem that the customary mid-winter business is well under way with a prospect of its continuance without interruption until Ash Wednesday blooms on the calendar.

At the January meeting of the Massachusetts Horticultural Society President-elect Hadwen took his seat and delivered his inaugural address, which was mainly of a reminiscent character. The committee appointed some months ago to consider the matter of a revision of the constitution and by-laws, presented a report recommending a radical change in the method of government which has prevailed up to the present time. After considerable discussion the matter was assigned to the October meeting, many of the members desiring time to deliberate on so important a move. The new constitution, which has been prepared with the utmost care to conserve all interests in the society, is likely to make friends during the intervening time, as its provisions become better understood.

The usual January exhibition of primulas was held on the same day. Chinese primroses were very well done but no special improvement in strain over those shown in recent years was apparent. *Primula stellata* was not quite equal to some former shows. *Obconica* was seen

to especial advantage, the size, substance and range of tint in the flowers being materially improved, and they were much admired. Oakes Ames received a certificate of merit for *Cypripedium James Garfield* (C. *tonsum* var. *superbus* × C. *regale*) and honorable mention for *Cypripedium James K. Polk* (C. *Chamberlainianum* × C. *nitens*). J. E. Rothwell was given honorable mention for *Cypripedium Longwoodense* (C. *Leeanum* var. *Masarelianum* × C. *Charlesworthii*) and showed also an interesting set of six *Faireanum* hybrids. Jos. Tailby & Son showed a sport from *Gloire de Lorraine* begonia, with flowers measuring from two to two and one-half inches in diameter, which they have named *Gloire de Wellesley*, and N. D. Pierce brought a vase of his new pink carnation, *Beau Ideal*, a seedling from *Daybreak*, which promises to be a fine commercial variety.

R. and J. Farquhar & Co. have moved into their new quarters at 6 and 7 South Market street, and now have the finest seed establishment ever opened in Boston, the salesrooms being on the ground floor and very spacious. They have signaled their new departure by the introduction of a new race of American hybrid gladioli, a colored plate of which adorns the title page of their catalogue.

The Eastern Chemical Company has put upon the market a new nozzle for automatically mixing and distributing Bordeaux mixture and other spraying materials according to gauge and it is meeting with favor.

R. M. Grey has recently returned from Cuba, his investigations and experiments in the hybridizing of sugar cane having been very successful.

Norris F. Comley's special new century present came in the shape of a daughter who arrived when the new year was but ten minutes old.

D. F. Roy's paternal responsibilities were increased a few days before Christmas by the advent of another charming daughter.

George A. Sutherland issues a calendar that is a great hit and everybody wants one.

Thos. Roland, the Lorraine wizard, has just booked an order for 5000 plants.

Philadelphia.

DEMAND FALLS OFF SOMEWHAT AND VARIOUS PRICES PREVAIL IN WHOLESALE MARKETS.—WHAT THE LEGITIMATE DEALER IS REQUIRED TO PAY.—MONTHLY MEETING OF THE CLUB.—CRAIG ON THE ADONIS DEAL.—A GOOD DECORATION.—NOTES.

There has been a little lull the past week but as the crops are a bit off the accumulation of flowers is not at all serious. It is astonishing, however, how quick stock does pile up, or perhaps we had better say how very quick some of the middlemen lose what little portions of sand they possess. Carnations, the past two weeks, have ruled high; nothing worth looking at or that would be considered by the poorest fakir has been quoted at less than \$2. Yet very nice looking carnations were offered, by the curbstone merchants last Saturday evening for 15 cents per dozen or two dozen for 25 cents. Liberty roses, of which the very lowest grade has been selling for 15 cents, were also to be seen, very fair flowers, offered at 50 cents per dozen. Get all you can from one set of buyers and take what the other class offers seems to be the modern way, these days, of wholesaling flowers. Prices have receded a trifle. Beauties, specials, still bring \$8 to

\$9 per dozen, with the lower grades selling at from \$2 to \$5. Brides and Bridesmaids bring \$10 to \$15; Liberties from \$1.50 to \$4 for the best, per dozen. Carnations range from \$1.50 to \$5 for the specials, the grade at \$2 to \$3 being the most popular. Romans and narcissi bring \$2 to \$3, lily of the valley \$3 to \$4, violets \$1 to \$1.50 per hundred for the doubles and 50 cents to 75 cents for the singles. They are becoming a little more plentiful, which, with the easing up in the price, will help their sale. Some very nice azaleas are now to be seen in the store windows, Harris, Craig and Becker all having them nicely in flower.

The meeting of the Florists' Club last Tuesday evening was poorly attended. After the routine business and election of several members, Ernst Hemming read a very interesting paper on herbaceous plants for florists' use. This showed careful preparation, and gave valuable information on a subject that should interest most florists, particularly those who retail their products themselves. The subject for the February meeting is the best ferns for florists' use; the reasons will be given by Mr. Cox. At the March meeting W. P. Craig is to tell us all about the carnation convention.

Hugh Graham recently put up a very fine decoration for a private ball held in Horticultural Hall. All the accessories of handsome furnishings were made good use of and large quantities of stock were consumed, two walls of the hall being covered by a drapery of wild smilax. Palms, ferns, rubbers, bay trees, begonias and azaleas were used, together with much smilax, carnations, American Beauty and Queen of Edgely roses, white lilac, lily of the valley, hyacinths and other material.

Robert Craig has returned from the west, where he has been spending the last two weeks. On being told that the statement that he is one of the gentlemen who paid \$5,000 for the new carnation, *Adonis*, was looked upon by some to have a sort of Lawson flavor, he said that he did not care what people thought, the figures named are genuine and that they have since been offered \$2,000 for their bargain, which shows what a truly great variety the new comer is.

The Queen of Edgely rose was shipped across the continent to San Francisco and carried very well, the flowers having the appearance of just being cut, so the amateurs who received them said. Each one was supplied with a rubber capped tube in which the water was only about half exhausted. They were seven days on the way. Those shipped to England at the same time did not carry so well, most of the petals falling when removed from the box.

J. G. Eisele, of Dreer's, is off to Europe, sailing last Saturday on the *Fuerst Bismarck*. K.

New York.

TRADE IS LIFELESS AND WHOLESALE VALUES ARE TENDING DOWNWARD.—PROSPECT FOR ACTIVE DEMAND A LITTLE LATER.

Business since New Year's is very flat and prices are tending downwards steadily. Carnations and violets are suffering from over-production for the time being. Roses hold their position a little better because the crop is only moderate. History, however, teaches us that from January 1 to January 15 little can be expected; the latter date opens the active season and demands more nearly equal the supply. Just at present the receipts of carnations

are excessive and, a light demand being experienced, the result has been a slaughter in prices such as has been rarely seen in this market. Violets are excellent in quality but are coming in so rapidly that they sink of their own weight and the street man regulates the price.

At Prospect Park, Brooklyn, they are anticipating a great show of orchids in the immediate future. Frank Segnitz is the gardener in charge of the collection, and D. C. Thompson is the head gardener.

Visitor in town: Jas. W. Osborn, of Charlton Nursery Co., Rochester, N. Y.

Chicago.

STATE OF THE MARKET.—BUSINESS STILL ON THE MOVE BUT SUPPLIES ARE LARGE AND PRICES GO TO PIECES.—CARNATIONS GENERALLY GOOD.—ARMOUR FUNERAL CALLS FOR MANY FLOWERS.—MEETING OF THE HORTICULTURAL SOCIETY.—ANDREW MILLER RETIRES AFTER TWENTY-FIVE YEARS ON STATE STREET.—PERSONAL DOINGS AND VARIOUS JOTTINGS OF INTEREST.

Trade has been fairly active during the current week but, despite the apparently unfavorable, cloudy weather, there have been large supplies in all lines, sufficient to force prices down to a comparatively low level. Beauties continue to be very good and are of such abundant supply that \$6 has been a very good price, and a good many sales of nice stock have gone on record at \$4 per dozen. In tea roses there were vastly too many, except of the choicest grades, which continue to sell pretty well. Carnations are improved in quality and it is quite probable that at no time was the supply ever better than it has been in the last few days. The blooms are large and the length of stem is all that could be asked for in the cut of nearly every grower, but, nevertheless, prices have come down to such an extent that it is quite probable that growers who sell on consignment will be in fault-finding moods when they read their return slips. As a general thing, the desired quantity of violets can be obtained anywhere and frequently at such prices as the purchasers are willing to give. The funeral of P. D. Armour, on Wednesday cleaned up the market in very fair style on a great many lines of goods. Mr. Armour was not only one of the richest, but one of the most widely known and highly esteemed men in the country, and the floral tokens at his obsequies were as profuse as anything which has ever been seen in this country. Every one of the leading florists in the city had all the work he could handle for this occasion and the demise redounded considerably to the profit of the florists, if to the irreparable loss of the community in general.

One thing which made the wholesalers much trouble during the holiday rush was the carelessness with which buyers made out orders. One prolific source of uncertainty is the telegraphic order for "one each brides maids perles," for that is the way the message comes, without punctuation or capitalization. The wholesaler is never certain whether both Brides and Bridesmaids are wanted or only the latter. In telegraphing the word Bridesmaid should never be written in full, and where both Maids and Brides are wanted the Maids should be mentioned first. Observance of this rule will avoid confusion and frequent misunderstanding and loss.

W. N. Rudd experienced the worst half hour of his life on Monday. He was at his office in Mt. Greenwood Cemetery

when he was called home by telephone with the announcement that his little daughter Phyllis, had taken strychnine. It took nearly thirty minutes for Mr. Rudd to make the trip to Blue Island and it seemed to him as though transportation had never been so slow as then. Prompt medical assistance brought the child around all right but it was a close call, and needless to say, there will be no poison in the reach of children in the Rudd residence hereafter.

The Horticultural Society of Chicago met on Tuesday, E. G. Uihlein presiding, and re-elected President Wm. H. Chadwick, vice-presidents E. G. Uihlein, H. G. Selfridge and Ernst Wienhoeber, and executive committeemen, J. C. Vaughan, O. P. Bassett and G. L. Grant. The election of a secretary and treasurer, directors and two new members of the executive committee were all postponed until the April meeting. Four new members were elected, none of them in the trade.

Andrew Miller has retired from the Central Floral Company, having sold his interest to his partner, Charles Schneider. He intends to engage in railroading on the Illinois Central, hoping thereby to benefit his health, which has not been of the best for several seasons past. Mr. Miller has been in the cut flower business on State street since boyhood, and in his experience wonderful changes have taken place in the trade.

Last Saturday evening fire destroyed the house and furnishings at the home of George H. Bowditch, who has charge of an American Beauty section for Bassett & Washburn at Hinsdale. Mr. Bowditch has been married only eight weeks, and his employers and fellow employes came to his rescue with a purse which did much toward starting him up in house-keeping again, and for which he is very grateful.

At the Guardian Angel Orphan Asylum they are preparing to build a new propagating house and are contemplating adding considerably to their range of glass in the near future. They are just now introducing their pink sport of Armaziody, which is known as Guardian Angel. They find it the most profitable carnation they grow because it is so prolific, and they will have about 25,000 cuttings to give to the trade this year.

The Florists' Club's carnation show next Friday, January 18, is to be held in the wholesale district, in a hall on one of the upper floors at 47 Wabash avenue. The secretary has asked exhibits of all the leading growers and nearly all the new sorts will be shown. At 11:45 the club will go to Joliet, over the Rock Island, as guests of the Chicago Carnation Company, reaching Chicago again at 3:45.

The National Society of Horticultural Inspectors was organized at a meeting in Chicago January 4. All persons officially connected with the inspection of nurseries and other horticultural property in the United States and Canada are eligible to membership. Professor S. A. Forbes, State Entomologist of Illinois, was elected president.

On Wednesday Hauswirth made a large amount of very good floral work for the funeral of Mrs. Tripp, wife of the manager of the Auditorium Hotel, where Mr. Hauswirth is located. A particularly handsome piece was a spray of mignonette, one of Morning Glory carnations and another of Genevieve Lord and adiantum.

E. W. Marland has been engaged to take charge of the carnation section, comprising about 36,000 square feet, at the

Weiland & Risch establishment at Evanston. Mr. Marland has served under C. W. Johnson at Mt. Greenwood for several years, but lately had been with Walter Retzer & Co.

Louis Wittbold has been confined to his room this week with the grippe. His physician tells him that it is necessary to be careful, as a great many cases of pneumonia have been developed from mild attacks of the prevalent disease and that pneumonia is unusually fatal this year.

E. C. Arling has just completed his first year in his enlarged quarters, and he is very well pleased with the results, as, for instance, he figures that his Christmas business was 115 per cent ahead of the Christmas of 1899, when he was located at 51 Wabash avenue.

Edgar Sanders, chairman of the Galveston relief committee, has received a check for \$15 from C. H. Kautzman, treasurer of the Kentucky Society of Florists. Mr. Sander's local collections amounted to \$558 10.

Anton Then, John Felke, C. M. Dickinson and Edgar Sanders went over into Indiana the latter part of the week to visit Dorner, Hill and other good growers of carnations.

The Western Window Glass Jobbers' Association advanced prices twelve and one-half per cent at a meeting in Chicago January 3, a penalty to be exacted for price cutting.

The five Kreitling brothers will have a bowling tournament with an "all star" team at Boyes' alley, Kedzie avenue and Twelfth street, January 13, commencing at 7:30 p. m.

Intoxicated boys broke considerable glass of the Haas greenhouses in Anstin on Saturday night. Justice Schott added \$10 each to the expense of their celebration.

Meyer Heller was up from New Castle this week placing orders for the material for a range of ten new houses 26x265 for the South Park Floral Company.

Flint Kennicott has been confined to his home for several days, and is suffering from a combined attack of grippe, bronchitis and rheumatism.

Lee Walz was called to Cincinnati last Saturday by the death of his brother Fred, who was one of the most popular growers of that city.

Many of the growers have had their forces more or less reduced during the past ten days by the prevalence of the grippe.

Louis G. Gresenz, of Bassett & Washburn's city wholesale store, welcomed a baby boy, his first, into his family this week.

The demise is chronicled of George Scott, superintendent of Elmwood Cemetery. Interment was on December 30.

John Zuck has been laid up with the grippe and his little daughter is very ill with scarlet fever.

Visitors: Wm. Nicholson, Framingham, Mass.; Eugene Dailedouze, Flatbush, N. Y.

GALION, OHIO.—Shortly after midnight on Christmas fire almost completely destroyed the greenhouse of Mrs. Louisa Faurot.

NO. CHELMSFORD, MASS.—J. W. & E. J. Trubey have opened a new establishment under the name of the Oak Hill Greenhouse.

SPRINGFIELD, MASS.—W. T. Hutchins will address the Lenox Horticultural Society on Saturday evening, January 19, on the sweet pea.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only
Orders for less than one-half inch space not accepted

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THE firm of Alex. Dickson & Sons, of
Bellast, Ireland, has been made a stock
company.

TREE cabbages ten feet high are pro-
duced in the island of Jersey and grown
in cottage gardens there as fences. The
stems, it is said, make good walking
canes.

MANY florists report slow collections
compared with January, 1900. Is it pos-
sible that the retail buyers have treated
themselves to better Christmas decora-
tions than their prosperity justified?

THE increased circulation and adver-
tising patronage which has come to the
AMERICAN FLORIST makes it imperative
that contributors and advertisers mail
their "copy" early. Matter must be in
our hands on the Thursday before date
of issue to insure insertion.

PHORMIUM TENAX and its variegated
variety are said by writers in English
papers to be quite hardy, standing
several degrees of frost without harm.
It is stated that a plant of the varie-
gated form which has been planted in
the open for some years in the Isle of
Wight has leaves six feet long and pro-
duces flower spikes upwards of eight
feet in length.

Calendars Received.

We are in receipt of calendars from the
following firms: Lord & Burnham Co.,
Irvington, N. Y.; Holton & Hunkel Co.,
Milwaukee; Lord & Johnson, Owatonna,
Minn.

"Here Is Another Dollar."

ED. AM. FLORIST:—Here is another
dollar; put me down for the "FLORIST"
another year. It has saved me many
times that amount on purchases made
from your advertisers. I will build in
the early spring another house 20x100,
and the more glass I have the more I
need the "FLORIST." C. J. BURDELL.
Bowling Green, Ky.

Greenhouse Building.

Gresham, Ore.—John Rinella, house
12x120.

Chicago, Ill.—Guardian Angel Orphan
Asylum, propagating house.

Haledon, N. J.—Theo. Leonhard, two
carnation houses.

Paterson, N. J.—John Thompson, range
of houses.

Richmond, Ind.—E. G. Hill Co., one
carnation house.

Chicopee, Mass.—M. L. Collis, house
24x110; office 16x25.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Nathan D. Pierce, Norwood, R. I., reg-
isters new carnation, Beau Ideal, a seed-
ling of Daybreak; flowers shell pink, two
and one-half to three inches in diameter;
full center, fringed, fragrant; habit
upright; stems stiff; continuous bloomer.
Wm. J. STEVART, Sec'y.

American Carnation Society.

The following new carnations have
been registered at the office of the secre-
tary:

Anders Rasmussen, New Albany, Ind.,
registers Hoosier Maid, color pure white,
medium to large size, two and one-half
to three inches in diameter, very strong
grower, with long heavy stems, strong
calyx and has never shown diseases of
any kind. Daybreak type.

William Hoffman, Pawtucket, R. I.,
registers The Challenger, color clear,
bright scarlet, three to three and one-half
inches in diameter, on strong, stiff stems
and very prolific. Plant compact, rugged
grower, producing cuttings freely, which
root easily. Mr. Hoffman also registers
Twentieth Century, color bright, light
pink, unlike any other pink carnation,
three and one-half to four inches in di-
ameter, stiff stems and very free blooming,
flower very full and deeply fringed.

ALBERT M. HERR, Sec'y.

The Vesey Greenhouse Benches.

Some knight of the gripsack with flor-
icultural inclination must have been
describing our system of greenhouse
benches to his other customers. We
can in no other manner account for the
several letters we have received asking
for a complete description thereof. As
we have the most satisfactory and eco-
nomical bench known and it not being
generally adopted, we think a descrip-
tion may be interesting.

We raise the surface of the ground 12
to 24 inches as desired, and hold in place
on each side of walk with 2-inch hemlock
well coated with cement on the inside.
This bed is made level and firm. Upon
this we lay 4-inch common drain tiles as
close together as they can be laid. Above
this we put hemlock side boards eight
inches wide to hold the soil for plants,
which is put upon the tiles. The boards
above and below are held in position by
2x4 pieces at the ends of the boards and
are stayed across at intervals of about
four feet with strong galvanized wire.
This bed affords perfect drainage, a cool,
airy bottom, lasts longer and holds a
greater weight than do raised benches of
wood with tile bottoms. A novice with
the hose is safer on these benches than a
skillful person on board bottoms. On
these benches we grow roses from year
to year, without replanting if desired, the
8-inch sideboards giving opportunity to
add the mixed soil and manure mulch
needed after the resting period, and the
tile, while giving the cool bottom needed,
prevents the roots from straying into
mother earth.

Carnations planted on these benches
grow luxuriantly and give a longer sea-
son than on the old board bench, and
bloom fully as well if not better in mid-
winter. We at least are able to procure
a higher class of blooms both from roses
and carnations on these benches than we
were able to get on the old style benches.
The cost of construction in this neighbor-
hood is very little more than the cost of
cypress benches built of 1-inch material.

Brick for the sides would probably be
better than lumber, but there is so little
to buy that it costs only a trifle to replace
the lumber when necessary.

W. J. & M. S. VESEY.

The Preservation of Iron Pipe.

ED. AM. FLORIST:—About three years
ago we put in about 3000 feet of 2-inch
black pipe for heating our greenhouses
with hot water, we now find that about
one-half of our pipe is honeycombed and
worn out and we must replace it. The
pipe we use is wrought iron. It seems to
us that this pipe has lasted a very short
time and we would like you to inform us
how to treat pipe so it will last longer.
We are buying some galvanized iron pipe
for trial. Do you think it will last longer
and would you advise us to use it? We
have tried painting our pipes with lamp-
black and oil, but it does not seem to last
long. Last season we bought some
asphaltum paint from a man who told
us it would be just the thing for our pipes
and we tried it on one house, with the
result that as soon as we heated up the
pipes the fumes almost killed the plants,
so we have had to take the pipes all out
of this house and burn this paint off. We
would like you to tell us of something
that would preserve the pipes and still
not hurt the plants. If you recommend
linseed oil and lamp-black, do you think
it would hurt the plants to put it on now
when we are firing? We want to put
something on the pipes we burned to try
and preserve them. Do you think cast
iron pipe is better than wrought iron pipe
for hot water? We use the open system,
having expansions at each end of the
runs of pipe. If you think cast iron pipe
is better we would like you to let us
know the best material to put it together
with. Do any florists use lead, the same
as they use in laying street pipes? We
feel satisfied that there are a great many
of the large establishments in the east
that use 2-inch wrought iron pipe, the
same as we do, and that there must be
something that keeps them from rotting
out so quickly. What should be the aver-
age life of black pipe and galvanized pipe?

R. N.

There must be something radically
wrong, either with the water or with the
surroundings, when 2-inch wrought iron
pipe rusts through in three years. Even
when unpainted it should last a dozen
years, at least, under the ordinary unfa-
vorable conditions in a greenhouse. If the
trouble is due to the action of the water
upon the interior of the pipe, the injury
cannot be prevented by painting the out-
side. Everything considered, a paint
made of oil and lamp-black is as good as
can be used for greenhouse pipes. Cast
iron pipe is more durable than wrought
iron, but the extra trouble in making the
joints, as well as in making changes or
repairs, renders it less desirable, espe-
cially as 2-inch pipe is preferred to 4-inch.
Rust or cement joints are most commonly
used with cast iron pipe. Black pipe kept
well painted should last as long as
unpainted galvanized pipe.

L. R. TAFT.

Heating a Greenhouse.

ED. AM. FLORIST:—Will it be practic-
able to heat a greenhouse 20x100x8 feet,
single slope to south of glass, by means
of a flue around the three sides? The
mercury sometimes drops to 10° and 20°
below zero. The house is piped for hot
water and I have always burned coal.

My difficulty is that coal is high and I have to haul it four miles up a rise of 600 to 800 feet. On the other hand wood is near by and may be had for \$1.50 per cord cut and piled on the lot. Could it be arranged to have the fire heat the water and then the flue? Should not want to sit up nights to fire. E. H. A.

A house 100 feet long is too large to heat with a flue as proposed. For long houses it is customary to have an arch at each end, and run the flues to the middle of the house under the center bench and then carry it back to the chimney, which is near the furnace. Under the conditions named it might be desirable to combine the flue with hot water. Hitchings & Co. make a saddle boiler that can be used in this way. The flue could be used for one end of the house as described, and hot water pipes could be carried under the side benches and used to heat the coils at the farther end.

L. R. TAFT.

OBITUARY.

PHILIP CROWLEY.

Philip Crowley, F. L. S., F. Z. S., for years chairman of the fruit and vegetable committee of the Royal Horticultural Society of England, died December 20. He was a specialist in decorative plants, chrysanthemums and orchids.

KARL EHMANN.

Karl Ehmann, of St. Matthews, Ky., died of peritonitis on January 4. He was a native of Stuttgart, Germany, born in 1870. He came to this country in 1887 and has been with Nanz & Neuner ever since. He had charge of the rose and shipping department and has made many friends among those who visited their nurseries and greenhouses. He leaves a widow with three small daughters. Mr. Ehmann's father is the royal inspector of the King of Wuerttemberg's gardens at Stuttgart, and is well known to European florists.

FRED. S. WALZ.

It is with deepest regret that the many friends of Fred. S. Walz, of Cincinnati, will learn of his sudden death, on January 4. The sad event came so suddenly that it is all the more painful to those who had his confidence. He had been, apparently, in good health but on New Year's eve he was taken ill with a complication of diseases in which a paralytic stroke was a principal factor. His death followed in four days. Mr. Walz was 49 years of age and leaves a widow, two sons and three daughters to survive him. He was born on Bourbon Island, Africa, where his father had charge of a French noble's estate. In 1865 he came to America and settled down at the place where he has been located ever since. Mr. Walz was an enthusiastic canna and chrysanthemum raiser, some very good varieties of the former being the result of his labors at crossing. Of chrysanthemums his best known seedlings are the Queen, H. L. Sunderbruch and B. Fleischman, but there are a host of others. Mr. Walz served for some time upon the C. S. A. seedling committee for Cincinnati. The funeral took place on January 6, the Cincinnati florists attending in a body. The obsequies were performed at the German Protestant church, the services being conducted by Rev. Schenk. In speaking of the deceased he said that it was the judgment of those who knew him best that his life was simple, truthful and upright. The floral tributes were very fine and were too numerous to

describe separately. Interment was at Spring Grove Cemetery. H. S.

TAUNTON, MASS.—H. F. Burt will address the progressive horticultural society at Springfield, February 1, his subject being the dahlia.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1901 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By young all-around man, 7 years' experience, can give good references. WISCONSIN, care American Florist.

SITUATION WANTED—By young man, one year's experience at general greenhouse work. Good references; state wages. H. R. F., Box 417, Eaton, O.

SITUATION WANTED—By young man in store or greenhouse, store preferred. Age 20; three years' experience; references. CHAS. IZOR, Logansport, Ind.

SITUATION WANTED—By a practical grower, competent in all branches of the trade, steady and sober; age 27. Best of references. Address CHICAGO, care American Florist.

SITUATION WANTED—By an assistant gardener; age 23, three years' experience, sober and steady. Please state wages; references. Address ASSISTANT, care American Florist.

SITUATION WANTED—As foreman or general greenhouse work. Middle age; life experience; wages \$20 month with board. Address J. JAMES, 15 Terry St., Trenton, N. J.

SITUATION WANTED—By a thoroughly practical man; life experience. Age 35; married, one child. Commercial or private place. Address A. G. WILLIAMS, Media, Delaware Co., Pa.

SITUATION WANTED—As florist or rose grower. Good references as to ability, etc. German, married. Only steady position wanted. Address N. C. care W. J. Stewart, 67 Bromfield St., Boston.

SITUATION WANTED—By all-around florist, competent to take charge; married; best of references. Please state wages. Address J. COOK, Cor. Schneider Ave and 72d St., Oak Park, Ill.

SITUATION WANTED—As foreman by a successful grower of roses, carnations, etc., decorative and bedding plants; 20 years' experience. German; married. Please state wages. Address A. F., care American Florist.

SITUATION WANTED—A young man desires situation as general greenhouse man. Eastern section preferred. Good references. State wages with or without board. Address ROBERT C. BENSON, Wellham, A A Co., Md.

SITUATION WANTED—By young man in a private place or small gentleman's estate; 12 years experience in all branches. Steady, sober and industrious. Single. Open to engagement now. References O. K. Address PAUL B. H. RISS, Thompson, Conn.

SITUATION WANTED—By a competent reliable grower of roses, carnations or 'mums, roses much preferred; 8 years' of excellent experience; age 21, strictly temperate. Private or commercial. Only those with permanent positions to offer need apply. Address RALPH A. RICHARDSON, 1631 Fletcher Street, Indianapolis, Ind.

WANTED—A first-class man for propagating and grafting roses. BASSETT & WASSBURN, Hinsdale, Ill.

WANTED—Two good rose growers to take charge of sections. Steady positions to right parties. Address J. F. WILCOX, Council Bluffs, Iowa.

WANTED—One or two first-class men for general greenhouse work. Apply at once. Address C. H. FREY, 1133 O St., Lincoln, Neb.

WANTED—A man thoroughly familiar with seeds, capable of filling and shipping wholesale orders. Address Bux 134, Rochester, N. Y.

WANTED—Reliable, competent man. Fine roses, 'mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED FOR ILLINOIS—A married man, 41 or 45 years; sober, pleasant and willing to work in and around greenhouses. Steady place by the year if satisfactory. He is well fitted with work. Address ILLINOIS, care American Florist.

WANTED—Working foreman, one who thoroughly understands the growing of cut flowers and plants—particularly Am. Beauties, roses, 'mums, etc.—in an establishment of 65,000 square ft. of glass. Good position for competent man. Address PHILADELPHIA, care American Florist.

WANTED—Partner with some capital to go in seed business or would work for seed house with object buying interest in same. Have been employed past twenty years by one of the largest seed firms in this country. Can give A1 references. Address Box, care American Florist.

WANTED—A good steady industrious and sober man well up in all greenhouse and garden work. Wages \$25 per month with board and lodging. Increase of wages and steady employment to right party. Address W. H. WRIGHT, Cur. 1st East and Monroe Sts., Vicksburg, Miss.

WANTED—Two active young men who are familiar with general greenhouse work and who have had some experience in large establishments as order clerks. State particular branch of the business with which you are most familiar and name references. Address HENRY A. DEEB, Riverton, N. J.

WANTED TO RENT—Florist's establishment with 25,000 feet of glass with two or three acres of land and dwelling house, to grow outflowers for Chicago market. Place must be in good condition and within twenty miles of Chicago. Address giving full description of place, terms and location, J. M., care American Florist.

WANTED—A first-class grower thoroughly capable of taking charge of greenhouses to supply retail store in best city in southern states. Must be first-class in Beauties, 'Mads, Brides, carnations, violets, 'mums, etc., and have from \$2,000 to \$5,000 to purchase interest in a first-class plant just finished. Address MAGIC, care American Florist.

FOR SALE—Four greenhouses 20x100 all in good shape; also two-story dwelling, one acre of land. Owner wants to go out of business on account of ill health. Address J. FULLE, Deplains, Ill.

FOR SALE—Excellent establishment of 4000 feet of glass, stocked with carnations and miscellaneous plants, 1 acre land, new residence, 25,000 population, in center of Wisconsin. Address C. H., care American Florist.

TO LET—Forty dollars per month, 7000 feet of glass nearly new, heated by hot water, dwelling house and three acres of land. The place is connected with city water and two miles from city; electric cars run near place. A fine place for vegetable grower. Can get you steady customers. I will lease or sell this place. Address R. B., care American Florist.

FOR SALE.

Controlling interest in a first-class Nursery Co. Doing a good, paying business, both local and shipping trade, well stocked and a good stock coming on. Location the best for living and growing stock. Long established. Address OWNER, care Am Florist.

A BARGAIN. One fine lot 80x160 with a new six-room cottage and a three-room greenhouse consisting of over 2000 feet of glass, well stocked and in good order; enough fuel to run the season. All the above for \$2,200. Owner must resign at once on account of health. No other greenhouses within thirty miles. The above is devoted to vegetables, flowers and plants, and have all sold on the home market at top prices.

JNO. N. ZACHMAN, Oregon, Mo.

For Sale.

An interest in one of the largest and most widely known floral establishments can be purchased by a live man with greenhouse experience. Located in a city of over 200,000 inhabitants in a middle state, catalogue, plant and cut flower trade established. For the right man no better opening could be desired. For particulars, address

X N, care American Florist, Chicago.

FOR SALE. Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 600 carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE. GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,
233 Mercer St. NEW YORK



**5,000,000
Hardy Cut Ferns**

Be sure and read my prices, as follows: 1000 lots, \$1.25 per 1000; 5000 lots, \$1.15 per 1000; 10,000 lots, \$1.05 per 1000; 20,000 lots, \$1.00 per 1000. This is cash business and will not sell for less than price mentioned Sphagnum Moss, 10c per bbl. Laurel Roping, hand made, \$4.00 per 100 yards. All orders by

mail or dispatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass

Wholesale Flower Markets

CINCINNATI, Jan. 10.

Roses, Beauty	20.00@50.00
" Bride	6.00@ 8.00
" Bridesmaid	6.00@ 8.00
" Meteor	8.00@10.00
" Perle	4.00@ 6.00
Carnations	1.50@ 4.00
Violets	1.00@ 1.50
Lily of the valley	4.00
Smilax	12.50
Adiantum	1.00
Common ferns	.20
Asparagus	50.00
Galax leaves	.15
Hyacinths	2.00@ 3.00
Narcissus	3.00
Poinsettias	15.00@25.00
Daffodils	3.00@ 4.00
Harrisii lilies	12.50

St. Louis, Jan. 10.

Roses, Bride, Bridesmaid	4.00@ 8.00
" Beauty, 12 to 20 inch stems, per doz	1.00@ 3.00
" Beauty, long, per doz	4.00@ 6.00
" Perle	4.00@ 6.00
" Meteor	5.00@ 8.00
" Kaiserin	4.00@ 7.00
Carnations, common	1.50@ 2.00
" choice	3.00@ 4.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Galax	.15
Violets	.75
Stevia	1.00
Narcissus	3.00
Romans	2.00@ 3.00

MILWAUKEE, Jan. 10

Roses, Beauty, long, per doz	3.00@ 4.00
" med.	2.00@ 2.50
" short	1.00@ 1.50
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	6.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	3.00@ 4.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	85.00
Galax leaves	.20
Violets	1.00@ 1.50

PITTSBURG, Jan. 10.

Roses, Beauty, fancy	75.00@100.00
" extra	60.00@70.00
" No. 1	30.00@50.00
" culls	10.00@20.00
" Bride, Bridesmaid	2.00@15.00
" Meteor	6.00@15.00
" Perle	4.00@ 6.00
" Cusin	6.00@ 8.00
" Liberty	10.00@15.00
Carnations, ordinary	2.00@ 3.00
" fancy	3.00@ 6.00
Violets	.75@ 1.00
Paper White narcissus	2.00@ 3.00
Romans	1.00@ 3.00
Lily of the valley	2.00@ 5.00
Lilac, white	6.00@10.00
Harrisii	20.00@25.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@75.00
" Sprengerii	.20@ .75
Galax green and bronze per 1000	\$1.25
Dagger ferns per 1000	2.00
Chrysanthemums, fancy	20.00@25.00
" ordinary	10.00@15.00

DENVER, Jan. 9.

Roses, Beauty, select	25.00@40.00
" ordinary	6.00@16.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.50@ 2.50
" fancy	3.00@ 4.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	.75@ 1.00
" double	.70@ 1.25
Galax Leaves	.20
Asparagua	60.00
Smilax	18.00
Ferns, per 1000	2.50

J. B. DEAMUD,

.....51 Wabash Avenue, CHICAGO,

WANTS YOUR BUSINESS,

Whether it be Consignments or Orders.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

PITTSBURG CUT FLOWER CO., Ltd.

504

ALL
FLOWERS
IN
SEASON.

PITTSBURG,

PA.

Wholesale Store, Minneapolis, Minn.,

Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. BRANT & NOE. Minneapolis, Minn.

Please mention the American Florist when writing.

**JNO. H. DUNLOP,
CHOICE Cut Flowers**

All orders receive most careful attention.
TORONTO, ONT., CANADA.
Six prizes American Rose Society, New York City.

**ONE DOLLAR FIFTY PER 1000 FOR
BRONZE GALAX LEAVES**

Delivered NOW FREE, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for Ten Cents.

AMERICAN ROSE CO., Washington, D. C.

American Florist Advts.
Always Sell Stock.

...GEO. M. KELLOGG...

Largest Grower of... in the West. **Cut Flowers**

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE PHONE AT EITHER PLACE

Please mention the American Florist when writing.

**JOHN B. FERGUSON,
Wholesale Florist,**

NO. 6 DIAMOND MARKET SQUARE,
PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

Please mention the American Florist when writing

GALAX LEAVES

Red and green Galax, 55c per 1000.

Leucothoe Sprays, \$2.50 PER 1000.

Cash with first order. Seven years' experience. Special price to wholesalers.

J. N. PRITCHARD, Elk Park, N. C.

GALAX LEAVES!

J. L. BANNER & CO., Montezuma, N. C.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

BUY BOSTON FLOWERS. THEY'RE ALL RIGHT.
 They ship well and they sell well.
GEO. A. SUTHERLAND,
 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.
WELCH BROS., PROPRIETORS.
 Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES.
 Block Letters, \$2 per 100. Script Letters, \$4 per 100. Acknowledged by all florists the best in use. Special prices for doz. lots.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade
 With Highest Grade
**ROSES, GARNATIONS,
 LILY OF THE VALLEY,
 VIOLETS** and all flowers the
 Boston market affords.

PRICES RIGHT AND PACKING PROPERLY DONE.
N. F. MCCARTHY & CO.,
 Tel. 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing.

Frank M. Ellis,
WHOLESALE FLORIST,
 1402 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

H. G. BERNING
Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.
 Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

The Cincinnati
Cut Flower Co.,
 416 Walnut St., WHOLESALE FLORISTS.
 CINCINNATI, O.
 Consignments Solicited.
 Special Attention Given to Shipping Orders.

Wholesale Flower Markets

BOSTON, Jan. 9.	
Roses, Beauty, extra	35.00@60.00
" " medium	15.00@25.00
" " culls	8.00@10.00
" " Bride, Bridesmaid, Meteor, extra	4.00@ 6.00
Carnations	10.00@16.00
" extra	.75@ 1.50
Paper White narcissus, Roman	2.00@ 4.00
hyacinths, tulips	1.50@ 2.00
Lily of the valley	2.00@ 4.00
Mignonette	2.00@ 4.00
Stevia	.50@ 1.00
Violets	.75@ 1.00
Lilacs	5.00@ 8.00
Adiantum	.75@ 1.00
Smilax	10.00@15.00
Asparagus	50.00
" Sprengerii, .20@ .25 per bunch	
PHILADELPHIA, Jan. 9.	
Roses, Tea, extra	4.00@ 8.00
" " Beauty, extra	10.00@15.00
" " firsts	50.00@75.00
Carnations	15.00@40.00
" fancy	1.50@ 2.50
Lily of the valley	3.00@ 5.00
Romans, Paper Whites	3.00@ 4.00
Violets, single	2.00@ 3.00
" double	.50@ .75
Asparagus	1.00@ 1.50
Smilax	35.00@50.00
Adiantum	12.50@15.00
"	.75@ 1.00
BUFFALO, Jan. 10.	
Roses, Beauty, extra	40.00
" " Bride, Bridesmaid, Meteor	8.00@15.00
Carnations	3.00@ 5.00
Lily of the valley	4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Chrysanthemums	10.00@20.00
Violets	2.00@ 2.50

Woodroffe & Bernheimer,
Wholesale Florists
 1604 LUDLOW STREET,
 PHILADELPHIA.
 Phone 1-42-69-A.
 Consignments Solicited.
 Please mention the American Florist when writing.

LEO. NIESSEN,
Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 PHILADELPHIA, PA.
 LONG DISTANCE PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-26 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

GIVE US A TRIAL. WE CAN PLEASE YOU.



Open day and night.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist.
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs

Try the New Flower Commission House

WATERBURY & CO.,

48 W. 30th St., NEW YORK CITY.

Correspondence with Growers Solicited.

A. H. LANGJAHR, 19 Boerum Place, BROOKLYN, N. Y.
 Controls the best Brooklyn Cut Flower Trade.
CONSIGNORS GET THE BENEFIT

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS,
LIBERTIES.

**Walter F. Sheridan,
Wholesale Florist,**

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Telephone 2200
Madison Square.

57 W. 28th. St., NEW YORK CITY.

....LIBERTY, BEAUTY AND OTHER CHOICE STOCK....

—BEST IN THE COUNTRY.—

JOHN YOUNG

Has the best BEAUTIES, CARNATIONS, VIOLETS AND VALLEY in New York.

TRY A SHIPMENT OR TWO. ✪
All Choice Flowers dally.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets & Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.

New Telephone No. 551 Madison Square.

**FRANK MILLANG,
CUT FLOWERS,**

WHOLESALE COMMISSION,
408 E. 34th Street,

Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.

TELEPHONE 733-18th.

Choicest Stock Shipped on a Commission.

Rose, Violet and Carnation Growers,
Consign to

M. A. HART,

44 W. 29th St., NEW YORK CITY.

Choice Carnations.

Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Jan. 9.

Roses, Beauty, select.....	40.00@50.00
" " medium.....	15.00@25.00
" " culls.....	3.00@ 5.00
" Bridemaid, Bride, Meteor 2.00@ 4.00	
" " select. 6.00@12.00	
Carnations.....	.50@ 1.25
" fancy.....	2.00@ 4.00
Lily of the valley.....	1.50@ 2.00
Smilax.....	10.00@12.00
Asparagus.....	25.00@40.00
" Sprengerii, per doz. bun. .75@1.00	
Adiantum.....	.50@ .75
Violets.....	.35@ .75
" special.....	1.00@ 1.25
Gardenias.....	25.00@50.00
Cypripediums.....	10.00@12.00
Mignonette.....	2.00@ 5.00
Paper White narcissus.....	1.00@ 1.50
Roman hyacinths.....	.75@ 1.00
Yellow Narcissi.....	2.00@ 3.00

**Headquarters of the Hustler
CHAS. MILLANG,**

WHOLESALE

Commission Florist

50 West 29th St., NEW YORK.

Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.

GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,
52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.

119 and 121 West 23d Street,
112 and 114 West 24th Street,

Telephone 733-18th.

NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

GEORGE SALTFORD,

....Wholesale....
Commission Dealer In

Violets

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.

...Wholesale Florists

111 West 30th Street, NEW YORK.

BIG FRAGRANT VIOLETS. 'Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,

Wholesale Commission Florist
and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street, NEW YORK.
Telephone 1438 Madison Square.
Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates.

M. A. HART,

44 W. 29th St., NEW YORK CITY.

You Can Make Money
By Dealing With

J. K. ALLEN,

The Busiest Wholesaler
in New York.

Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq.

106 West 28th Street.

Season Open

EDW. C. HORAN,

Special in

Roses:

Violets
'Mums
Gardenias

Tel. 421
Madison Square,

....NEW YORK.

CUT FLOWERS AT WHOLESALE.

Liberty, Pres. Carnot,
Kaiserin, Meteor,
Bon Silene.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE Eastern Nurserymen's Association will meet at Rochester, N. Y., January 16.

THERE is a very strong demand for ornamental nursery stock in the east, which is a factor in raising prices.

PROF. F. A. WAUGH recommends that nurserymen give careful trial to Americana stocks in the propagation of plums.

ALEXANDER PULLEN, Milford, Del., has failed. His assets are estimated at \$8,000, which will not cover the liabilities by considerable.

THE forty-sixth annual meeting of the Western New York Horticultural Society will be held at Rochester, January 23 and 24. William C. Barry is president.

THE firm of F. H. Hunt & Co., the junior partner being John V. Sprague, has been formed to deal in nursery stock at Hammondsport, N. Y.

THE State Horticultural Association of Pennsylvania will hold its forty-second annual meeting at Harrisburg, January 21 and 22. Prominent nurserymen and fruit growers will participate in the programme.

THE Storrs & Harrison Company predicts a general advance in prices on nursery stock for spring and fall delivery but states that the rise will be not at all sharp except upon such items of general scarcity as cherry and perhaps apple trees.

BREWER & STANNARD, Ottawa, Kans., dissolved partnership January 2, Eugene Brewer selling his interest in the nursery business to F. H. Stannard. Mr. Brewer will, however, retain his interest in the real estate and large orchards owned by the firm.

Covering Wounds in Trees.

An Antipodean authority says that the wounds made in the stems of trees by pruning or otherwise should have the wood preserved to keep it from decay till the new bark and wood extends over it, but he thinks gum shellac dissolved in alcohol far better than paint. He advises to put the shellac into a wide-mouthed bottle, cover it with alcohol, and let it stand twenty-four hours, when it may be applied with a swab or a brush. It serves, as nearly as may be, as the substance of bark; is not affected by heat or cold, or wet, or dry weather; and retains the sap up the cut, healing the wounds without a scar. Limbs should be cut off slantingly; never square on top, as is sometimes done.—*Journal of Horticulture.*

A Gardener's Reverie.

I often weary in my toil
Of cultivating nature's soil,
And copying in mimic lines
The lessons from her great designs.
And, longing for some wild retreat
Where I can view her works complete,
I seek a quiet shady glen,
Far from the gaze of other men,
And where wild flowers around me bloom
And leaves distill a sweet perfume.
Upon a mossy bank I rest
And feel content as nature's guest.
To my salute the trees respond,
Tall ferns display each graceful frond,
Cool mosses to my fingers cling,
The birds above me gayly sing,
While leaves and flowers and budding fruit
Reveal to me in language mute
The animated soul within
That makes all living things akin.
This great organic brotherhood,

With flowing veins and living blood,
Whose bodies, formed from lifeless clay,
An inward monitor obey,
Was in the great Creator's plan
Before the universe began,
And when the "stars together sang,"
And planets with the echo rang
From altars of eternal fire,
Obedient to their heavenly sire,
Winged spirits to each planet fled,
And by celestial instincts led
Began to paint God's imagery
Upon the lifeless scenery.
Though long defied by igneous rocks,
And oft overwhelmed by earthquake shocks,
Yet ever to their mission true
Each primate form they build anew,
Till as the ceaseless ages roll
Each world presents a pictured scroll,
With brighter tints from year to year,
As various forms of life appear.
For when the trilobite grew old
And crumbled into earthly mold
The higher forms of life await
These elements in nascent state,
And while their instinct passions glow
New lives appear in embryo.
Thus by creations long fold
The plans are decked with green and gold,
The hills with forest trees are crowned,
The valleys with gay songs resound,
The air with insect wogs of life
And all the waters teem with life.
Yet all this living splendor brought
No conscious mind, no reasoning thought,
No souls for higher wisdom yearned,
From cruel wrongs no hearts were turned,
While savage beasts and birds of prey
With carnage strewed the fields so gay
And where the weak and timid lie
The leaves with crimson stains are dyed.
But soon a brighter dawn arose
Upon this scene of instinct woes.
To make Jehovah's plan complete
Pure spirits from his mercy seat
Were sent to choose the time and place

For advent of the human race
In search of elemental dust
Peculiar to their sacred trust,
They found perchance in some wild chasm
The heavenly type of protoplasm,
And there the man and wife were reared
Secure, till they no longer feared
The lion's roar, the tiger's spring,
Or ruthless swoop of eagle's wing.
With angel face and form divine
And pleasing grace in every line,
With eyes whose magic beams impart
The secret language of the heart,
With conscious power of mind and soul
They hold all others in control.
And yet we feel a tie that binds
All instinct life with human minds;
The oak that rears its head with pride,
The birds that in its branches hide,
The cattle resting 'neath its shade,
And we in His own image made
Are children of one father—God—
And kindred to the grassy sod.
From nature's heart all pulses flow
That give to every life its glow.
And nature's God, who rules above,
Bestows on all his equal love.
And when I reach my garden gate,
And all the beauty contemplate—
The elms that mark the boundary line,
The sheltering groups of larch and pine,
The slender birch with drooping spray,
And see the lofty maples sway
Their branches to the summer breeze,
How dear to me are all these trees
My hand hath planted, while I know
That in my care they thrive and grow
More true to nature than if fate
Had doomed them to their wild estate,
And tendrils of the latticed vine
Around my heart more closely twine
As I reflect that they are blind,
And when I see them grope to find
A twig that instinct tells is near,
I'm not ashamed to drop a tear.

—Chicago Tribune.

ROSE BUSHES

2 to 3 feet, fine.

Climbing Kaiserin	\$10.00
Climbing Wootton	10.00
Gloire de Dijon	10.00
Henriette	9.00
Beauty of Glazenwood	9.00
Lamarque	10.00
Banka, white	10.00
Cherokee, single	10.00
Reve d'Or	10.00

Per 100

Bride	\$10.00
Bridesmaid	10.00
Cath. Mercet	10.00
Coq. de Lyo	9.00
Coal Brunner	10.00
Black Prince	10.00
Kaiserin	15.00
Crimson Rambler	10.00
Laurette	10.00
Mme. Gabriel Luizet	10.00
Matman Cochet, \$10 to 15.00	
Marie Van Houtte	10.00

FIELD GROWN

Per 100

Climbing Kaiserin	\$10.00 to \$15.00
Climbing Wootton	10.00
Gloire de Dijon	10.00
Henriette	9.00
Beauty of Glazenwood	9.00
Lamarque	10.00
Banka, white	10.00
Cherokee, single	10.00
Reve d'Or	10.00

Per 100

Mrs. Laing	\$10.00
Alceon	10.00
Papa Gontier	10.00
Perle	10.00
Phil. Cochet	9.00
Queen's Scarlet	9.00
Rainbow	10.00
Souf. de Wootton	10.00
Pres. Carnot	10.00
Ulrich Brunner	10.00

And other sorts.

CASH PLEASE.

An assortment of these bushes will weigh about 300 lbs. to the 1000 packed light for express.

THE HOWLAND NURSERY CO., Los Angeles, Cal.

VERY STRONG
OWN ROOTS

Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.



THE STORRS & HARRISON CO.,

Painesville, Ohio.



Send to **THE MOON**
Company

For { Trees, Shrubs, Vines,
Your { and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

Maples

NORWAY SUGAR.

From 1 to 3-inch caliper, also one-year seedlings. Write for price list.

SAMUEL C. MOON,
Morrisville, Bucks Co, Pa.

Nephrolepis Wittboldii

WILL SOON BE GROWN AND OFFERED FOR SALE BY

ALL THE LEADING FLORISTS



NEPHROLEPIS WITTBOLDII—"The Great Fern of the Future."

NEPHROLEPIS WITTBOLDII reproduces so rapidly that we are able to assure every purchaser of strong plants, ready for 3 and 4-inch pots, \$1.00 each; \$10.00 per dozen; \$75.00 per 100.

Kentias--Latanias

Varieties	Size Pot	Height Inches	No. Leaves	Per Each	Per Doz.	Per 100	Per 1000
Kentia Belmoreana	2 1/4	8 to 9	3 to 4	1.50	12.00	100.00	
Kentia Belmoreana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Belmoreana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00	180.00
Kentia Belmoreana	4	14 to 16	5 to 7	.40	4.00	30.00	300.00
Kentia Belmoreana	5	16 to 20	5 to 6	.75	7.20	60.00	600.00
Kentia " strong	5	18 to 24	5 to 7	1.00	12.00	90.00	900.00
Kentia Belmoreana	6	20 to 22	6 to 7	1.25	15.00	125.00	
Kentia " strong	6	26 to 28	6 to 7	1.50	18.00	180.00	
Kentia Belmoreana	7	36 to 40	6 to 7	2.25	27.00	200.00	
Kentia Forsteriana	2 1/4	8 to 9	3 to 4	1.50	12.00	100.00	
Kentia Forsteriana	3	10 to 12	4 to 5	2.00	15.00	150.00	
Kentia Forsteriana	3 1/2	12 to 14	5 to 6	.25	3.00	20.00	180.00
Kentia Forsteriana	5	20 to 24	5 to 6	.75	7.20	60.00	600.00
Kentia " strong	5	22 to 26	5 to 6	1.00	12.00	90.00	
Kentia Forsteriana	6	24 to 30	5 to 6	1.25	15.00	125.00	
Kentia " strong	6	30 to 34	6 to 7	1.50	18.00	180.00	
Kentia Forsteriana	8	44 to 50	6	3.25	39.00	300.00	
Lantania Borbonica	2 1/4		3	.60	5.00	40.00	
Lantania Borbonica	3	12	5 to 6	1.00	8.00	75.00	
Lantania Borbonica	3 1/2	12 to 15	5 to 6	.15	1.50	12.00	100.00
Lantania Borbonica	4	15 to 18	5 to 7	.25	3.00	20.00	175.00
Lantania Borbonica	5	18 to 22	6 to 7	.50	5.00	35.00	300.00
Lantania Borbonica	6	20 to 24	6 to 8	.60	6.00	50.00	
Areca Lutescens	2 1/4	5 to 6	3 plants in pot		8.00	8.00	
Areca Lutescens	3 1/2	12 to 14	3		15.00	15.00	
Areca Lutescens	4	15 to 18	3	.25	3.00	25.00	

..Ferns..

Varieties	Size Pot	Per Doz.	Per 100
Pteris Serrulata	2-inch	.50	4.00
Pteris Umbrosa	2-inch	.50	4.00
Pteris Cretica Albo-lineata	2-inch		4.00
Cryptomium Falcatum	2-inch	.50	4.00
Cryptomium Falcatum	3-inch	1.00	8.00
Cryptomium Falcatum	4-inch	1.50	10.00
Cryptomium Falcatum	5-inch	2.00	
Nephrolepis Bostoniensis	2-inch	.50	4.00
Nephrolepis Bostoniensis	7-inch	9.00	
Nephrolepis Cordata Compacta	6-inch	4.00	30.00

WE have already supplied a majority of the large growers with stock. Owing to its rapid growth and wonderful reproductive qualities our fern will be as profitable to florists as the Boston fern has been. At the same time NEPHROLEPIS WITTBOLDII has a robust yet graceful appearance which attracts public favor. It has the enduring qualities necessary to hold its popularity when subjected to the trying conditions of the average living rooms.

Many of the large growers of the Boston fern who received stock of NEPHROLEPIS WITTBOLDII when it was first sent out in September, are re-ordering in larger quantities, a sure evidence that it has found favor with them. Here is a sample order:

NEWARK, OHIO, Dec. 27, 1900.

THE GEO. WITTBOLD CO., Chicago, Ill.
GENTLEMEN:—Please ship to me as soon as possible 300 more of your NEPHROLEPIS WITTBOLDII.

The plants I received from you a short time ago are doing so nicely that the more I see of them the more I am convinced that NEPHROLEPIS WITTBOLDII is the great fern of the future, and I feel that I cannot get too heavy a stock. I know that every enterprising florist will purchase a stock of it as soon as he sees what a grand decorative plant it will make.

Wishing you a prosperous New Year, I remain
Yours very truly,
A. J. BALDWIN.

..Asparagus..

	Size Pot	Doz.	Per 100
Asparagus Sprengerii	2-inch	\$.50	\$ 4.00
Asparagus Sprengerii	4-inch	1.50	12.00
Asparagus Sprengerii	5-inch	2.00	15.00

Miscellaneous.

	Per dozen	per 100				
Fern Balls, well started	per dozen	\$6.00				
Araucaria Excelsa, 4-inch, nice plants	Each	.50				
Araucaria Excelsa, 4 1/2-inch, nice plants	Each	.75				
Araucaria Excelsa, 5-inch, nice plants	Each	1.00				
	Pot Height	Leaves				
Ficus Elastica	6	22 to 23	12 to 14	1.75	7.20	60.00
Ficus Elastica	7	24 to 28	14 to 16		10.00	75.00
Pandanus Urtilis	2 1/2	6 to 8	10 to 12		1.00	8.00
Pandanus Urtilis	3	8 to 10	12 to 15		2.00	15.00
Pandanus Veitchii	6	strong		1.50	18.00	
Pandanus Veitchii	7	strong		2.25	27.00	
Pandanus Veitchii	8	strong		3.00	36.00	
Dracena Terminalis	3 1/2			2.00		
Dracena Terminalis	4			4.00		
Cocos Weddeliana	3			.25	2.00	15.00
Phoenix Reclinata	10	40 to 45	6 to 8	3.50		
Phoenix Reclinata	3		4 to 6		1.50	10.00
Phoenix Canariensis	3		4 to 6		1.50	10.00
Aspidistra Lurida	4				3.00	
Aspidistra Lurida	5	15 to 20	8 to 12	.50	6.00	
Corypha Gebanga	3	12	5 to 6		3.00	
Sansevieria Javanica Variegata, 2-inch, strong plants	dozen				.60	
Sansevieria Javanica Variegata, 3-inch, strong plants	"				1.25	
Sansevieria Javanica Variegata, 4-inch, strong plants	"				2.00	
Sansevieria Javanica Variegata, 5-inch, strong plants	"				3.00	
Peperomia Argyreia (Saundersii)	"				2.00	
Peperomia Alata	"				2.00	
Zingiber Officinale, Ginger Plant, 4-inch	"				2.00	
Zingiber Officinale, 5-inch	"				3.00	
Cyperus Alternifolius, 5-inch	"				1.50	

The Geo. Wittbold Co.,

PALMS AND FERNS,

1657 Buckingham Place,

CHICAGO, ILL.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

On Monday, January 7, the following scores were recorded:

Player	1st	2d	3d
Traendly.....	154	183	168
Burns.....	161	198	153
Siebrecht.....	136	153	157
Thielmann.....	177	168	186
Lang.....	196	177	196
Hafner.....	155	168	168
Lentz.....	184	189	165
Taylor.....	111	151	132
Elliott.....	162	155	155

At Chicago.

The great national bowling tournament has been on in Chicago this week, and on Monday evening one of the local teams, the Lakeside, contesting for the championship of America, played Asmus and also Coulson, a former Buffaloian who has played on the florists' team. Asmus made 172, 169 and 184, a total of 525, and Coulson made 164, 192 and 195, a total of 551, but the team was far outside the money.

C. L. Seybold is a member of the Baltimore team participating in the big tourney and in his three games scored 167, 163 and 146, a total of 476.

With Philadelphia Gunners.

The Florists held their monthly shoot, on Tuesday, at the new grounds at Sumnerdale, near Frankford, the old grounds having been sold for building purposes. The conditions for the contest were: Fifty targets per man, twenty-five known and twenty-five unknown angles, handicap added to the score. At known angles E. C. Coleman was high, with twenty-two. Anderson made the top score at the unknown angles, breaking twenty-four. Dorp, Burton and Coleman were tied for first place, as all totals of fifty and over are tied. The scores follow:

	Known	Un-known	Handicap	Total
Coleman.....	22	23	9	54
Dorp.....	19	16	16	51
Burton.....	20	17	14	51
Anderson.....	20	24	5	49
Clark.....	15	13	20	48
Massey.....	14	15	18	47
Cartledge.....	17	18	11	46
Smith.....	13	17	15	45
McKraher.....	16	10	18	44
Park.....	16	15	13	44
Barrett.....	16	16	11	43
Whitaker.....	12	12	19	43
Parsons.....	18	13	11	42
Webster.....	13	11	17	41
Johnson.....	18	22	4	40
Mrs. Park.....	18	21	1	39
Harris.....	12	11	14	37
Redifer.....	21	16	3	37
Sheeler.....	12	6	15	35
George.....	20	15	3	35
Westcott.....	12	5	17	34
Myers.....	18	14	3	32
Budd.....	12	12	2	24
Fritsch.....	11	10	1	21
McKeen.....	9	8	1	17

At Philadelphia.

In the recent contests of the Florists' Bowling Club several new men have loomed up with aspirations, and some indications of developing championship form in time, among whom may be mentioned Archer, Dunham, Adelberger, Barnes and Bimmermann. The Florists

are now probably the strongest bowling aggregation in Philadelphia, and to test this fond belief, they have issued a sweeping challenge to any club in Philadelphia or vicinity for a twenty man team match for the championship of Philadelphia, on neutral alleys, loser to pay all expenses. Washington's Birthday is mentioned as a good day to decide this contest. The Public Ledger says here is a good chance for the Century, Maennerchor, Columbia, or some other of the old time champions to come forward and take the conceit out of those raisers of the fresh and fragrant American Beauty.

The growers tried their hands in a match with the storekeepers on the alleys last Monday night. The growers are all right among themselves but when they get up against the real thing they are not in it. A perusal of the score will explain the difficulty, the storekeepers winning by 204 pins:

STOREKEEPERS.				
Player	1st	2d	3d	T'l
Moss.....	157	171	162	490
Gibs n.....	157	111	139	407
Craig.....	161	167	153	481
Baker.....	140	125	176	441
Kift.....	169	191	159	519
Habermehl.....	144	129	136	409
Total.....	928	894	925	2747

GROWERS.				
Player	1st	2d	3d	T'l
Connor.....	107	134	138	379
Harris.....	190	149	161	500
Westcott.....	146	153	133	432
Burton.....	113	150	124	387
Adelberger.....	131	144	100	375
Anderson.....	149	138	183	470
Total.....	836	868	839	2543

K.

New Haven, Conn.

MEETING OF THE COMMERCIAL HORTICULTURISTS.—DISCUSSION ON THE MANY CHANGES IN BUSINESS CONDITIONS WITHIN THE MEMORY OF MEMBERS.

The New Haven Horticultural Society held its monthly meeting January 4 in Champion's foyer. Four papers were read by members of the society, on the "Change and Advancement of Cut Flowers in New Haven During the Last Thirty Years."

The first paper was read by Mr. Howe, who reviewed briefly the history of the rose and carnation. He said that great strides have been made in the culture of the rose during the past twenty years, resulting in a finer quality and greater quantity. It was the custom in former years to grow this flower in solid beds, but now the up-to-date grower uses raised benches. The rose of to-day needs careful attention. He then gave a list of the different varieties. He further said that the tendency was now to go back to the old style of beds but with improvements in construction. The modern greenhouse has large glass and but very little woodwork as against the small panes and heavy rafters of two decades ago.

The cultivation of carnations, too, has made rapid advances. The speaker said that there are so many varieties that come in and last but a short time that he would not attempt to name even the best of them. He said it was his belief, based on experiments and observations that the plants of earlier times were more hardy than those of to-day. Yet with the modern greenhouses, giving better light and ventilation, the flowers grown are very much better than those of other days.

A talk on violets was given by J. H. Slocum. In the course of his remarks he made the statement that twenty-five years ago 500 violets a day supplied New

Haven. Now there are nine greenhouses on the east side given to the cultivation of this flower. Half of the product is used in this city and half shipped to New York, Hartford, Springfield and Boston. He also said that of all the men who go into violet raising ninety per cent fail, because the violet is the hardest of flowers to grow and the most unreliable.

Mr. Beach spoke very interestingly of the changes in the varieties of cut flowers called for by the public and read a list of those used during the last thirty years. John N. Champion spoke on the retail trade. He showed how the prices of cut flowers have risen and for this reason plants have come into demand. It was commented on that growers here are selling out of town and the retail dealers are buying from out of town growers.

ERIE, PA.—S. Alfred Baur had the decorations for the large Dennison-Walker wedding December 28 and did himself much credit.

PORTLAND, ORE.—Near Gresham John Rinella is building a greenhouse 12x120 which will be used for lettuce this winter and then for propagating stock for planting outdoors.

WORCESTER, MASS.—E. O. Orpet will address the Worcester County Horticultural Society on Thursday, January 17, on the raising of orchids from seed. His remarks will be illustrated by specimens and photographs.

Gardening Under Glass



Try Watson's for

SELECT STOCKS

of Tomato and other seeds for forcing. You will not be disappointed. 24 years' experience behind every order filled.

- Packet.
- TOMATO, Sutton's Best of All..... \$0.15
- "Holmes Supreme" Forcing Tomato.
- H sheet sward R. H. S. trials at Chiswick 1900, original pkts..... 25
- Lorillard, originator's stock..... 15
- Mayflower, extra selected..... 15
- Kromore, Vetch's original sealed pkts..... 60
- LETTUCE, Big Boston, extra select..... 15
- Improved Emperor Forcing..... 15
- Grand Rapids, Forcing..... 15
- CUCUMBER, Extra Early White
- Spine, special..... 10
- English varieties, 12 00 per 100 seeds..... 25
- RADISH, Soar-et-Bell, white tip, extra early..... 10
- CAULIFLOWER, Extra Early Erfurt, special..... 60
- MELONS, English varieties..... 25
- MUSHROOM SPAWN, my celebrated
- "W. F." brand, best in the world, \$7.00 per 100 lbs.; 10 lbs. for \$1.00. Sample brick, postpaid, for 25c. Booklet on culture free.
- CLAY'S LONDON FERTILIZER, 112 pound bags \$8 50
- RAFFIA, Long Madagascarc, 20c lb.
- RHIZOM ROOTS, Myrtle's Linnaeus, \$2.00 per dozen
- GRAPE VINES, for grapes, 30 varieties, 1-y., 75 cts.; 2-y., \$1.50 each.
- ASPARAGUS ROOTS, seven years old for forcing, very large, 40 cts per 100

Bailey's Forcing Book

The latest up-to-date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass, 226 pages, 88 illustrations, price \$1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,

Importer and Exporter of GRASS and GARDEN SEEDS, BULBS, Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.

Office & Salesroom, Juniper St. below Walnut, PHILADELPHIA, PA.



MAMMOTH VERBENA.

Dreer's Reliable Flower Seeds.

THE FOLLOWING IS A SHORT LIST OF FLOWER SEEDS WHICH SHOULD BE SOWN EARLY:

	Trade pkt.	Oz.		Trade pkt.	Oz.
Ageratum Blue Perfection.....	.25	\$1.00	Petunia, Dreer's Superb Fringed, single.....	.50	.50
Cope's Pet.....	.15	.35	Phlox, Drum. grandiflora, mixed..	.15	.50
Aster Queen of the Market, white..	.20	.75	" nana compacta, ".....	.30	1.50
" " " " pluk.....	.20	.75	Pyrethrum aureum.....	.10	.30
" " " " purple.....	.20	.75	" selaginoides.....	.20	.75
" " " " mixed.....	.15	.50	Salvia splendens.....	.30	1.50
Canna, large flowering dwarf mx'd., per lb. \$1.25.....		.10	" compacta "Bonfire".....	.50	2.50
Carotium Marguerite, mixed.....	.20	.75	Smilax, per pound, \$3.50.....	.15	.35
Centaurea caudissima, M. sds., 25c gymnocarpa, M. sds., 15c		1.50	Stocks, Large flowering 10 week, separate colors.....	.40	2.25
Cobaea scandens, purple.....	.10	.30	" Large flowering 10 week, finest mixed.....	.40	2.00
Cyclamen Persicum, mixed.....	.30	1.25	Thunbergia, finest mixed.....	.10	.30
" giganteum, mixed, per 100 seeds, 60c; per 1000 seeds, \$5.00.			Torenia Fournieri.....	.30	
Dracena indivisa.....	.10	.30	Verbea, Dreer's Mammoth White..	.30	1.50
Grevillea robusta.....	.15	.40	" " " Scarlet.....	.30	1.50
Heliotrope, mixed.....	.20	.75	" " " Pink.....	.30	1.50
Lantana hybrida, mixed.....	.10	.20	" " " Purple.....	.30	1.50
Lobelia, Crystal Palace compacta	.30	1.50	" " " Striped.....	.30	1.50
" Speciosa, dark blue trailing	.20	.60	" " " finest m'xd.....	.25	1.00
" greillis, light ".....	.15	.40	Vinca rosea, rose, dark eye.....	.20	.60
Mignonette, Allen's Defiance.....	.15	.50	" " " alba, white, rose eye..	.20	.60
" Machet, select stock.....	.15	.50	" " " pura, pure white.....	.20	.60
Musa ensete, fine seed \$1.00 per 100 seeds: \$9.00 per 1000.			" " " mixed.....	.15	.50
Petunia, Dreer's Superb Fringed, d'ble, 75c per 500 seeds; \$1.50 per 1000 seeds.			Zinnia, Mammoth double mixed...	.15	.40
			" Dwarf, " " ".....	.10	.25
			" Tall, " " ".....	.10	.20

Our Wholesale Price List for 1901 has been sent to all Florists. If you have not received it please notify us.

HENRY A. DREER, 714 Chestnut Street, **Philadelphia, Pa.**

THIS MONTH,
To Introduce Our Goods,

**GALAX
LEAVES,**

10,000 for \$6.00.

EVERYTHING IN WILD EVERGREENS.

THE KERVAN CO.,

F. B. Kervan, Prop. 30 W. 29th St.,
TELEPHONE 551 NEW YORK.
MADISON SQ.

Please mention the American Florist when writing.

Circulation

which
Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

New Forcing Tomato "Holmes' Supreme"

GAINED THE HIGHEST AWARD AT THE ROYAL HORTICULTURAL SOCIETY'S TOMATO TRIALS AT CHISWICK LAST SUMMER.

THIS grand new variety has an exceptionally compact habit, being very short jointed and of stiff and stardy growth; the bloom sets freely under glass and in the open air; the fruit is of medium size, smooth and round, particularly firm, bright scarlet in color, excellent flavor, and is remarkable for resisting disease and does not crack.

SEED IMPORTED FROM THE ORIGINATOR IN HIS ORIGINAL SEALED PACKETS.
25 cts.; \$2.50 per dozen, postpaid.

WATSON'S SEED STORE, - **Philadelphia, Pa.**

PARK AND CEMETERY PLANTING.

HARDY AMERICAN PLANTS are planted by tens of thousands and are more used each season. The high Southern Alleghenies are the home of the Rhododendron and Azalea. We have supplied the leading Parks, Cemeteries and large estates in America with native plants of the Carolina and Tennessee mountains. Also abroad. Catalogues and information of

Prep. Highlands Nursery,
4000 feet elevation in the
Carolina Mountains.....

HARLAN P. KELSEY,
Tremont Bldg., BOSTON, MASS.

DAISIES,

hardy, large plants, Snowball, Longfellow, 40c per 100; \$2.50 per 1000.
FORGET-ME-NOT, fine clumps, 75c per 100; \$5.00 per 1000.
MIGNONETTE (Allen's Defiance), large plants out of 2 1/4-inch \$2.50 per 100.

J. C. Schmidt, Bristol, Pa.

Nice Plants.

Per 100
Alternanthera, yellow, \$1.75; red..... \$2.00
Geraniums, my selection..... 3.00
Coleus mixed and Ageratum, 2-inch pots..... 2.00
Ajaragus Sprengerii, 2-inch pots..... 2.00
Vinca Vines, 2-inch pots..... 3.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertising in the American Florist. **TRY IT NOW.**

Lowell, Mass.

BUSINESS IMPROVES AT NEW YEAR'S AND HAS BEEN GOOD SINCE.—A VERY ELABORATE INSTALLATION DECORATION.

Business was good at New Year's and is increasing on this day every year. The weather is still fine, with no snow yet, and trade continues briskly. Several of the florists were kept busy last Sunday decorating the city hall for inauguration day, which was on Monday. It never looked so well as it did this year. The mantel over the fireplace in the mayor's reception room was banked with adiantum and Gloire deLorraine begonias and made a handsome sight. Beautiful baskets of flowers artistically arranged were placed on the desks of the different heads of departments and several members of the board of aldermen were the recipients of beautiful floral designs. Patten had charge of the floral arrangements, while Whittet and Green had the plant end of it.

McManamon and C. C. Marshall have their windows full of fern balls and say they are selling well. A. M.

RICHMOND, IND.—Beach & Chessman have dissolved partnership, the firm now being Chessman & Schepman. F. W. Beach says that after thirty days rest he will be open for "any old thing, from president of a railroad to cashier of a bank."

PUEBLO, COLO.—G. Fleischer, after returning from a trip to England, Germany and France, has bought the Lakewood Greenhouses, formerly managed by Victor Johnson. The place has 10,000 feet of glass and a nice residence. Mr. Fleischer will build two more houses in the spring.

POUGHKEEPSIE, N. Y.—At the annual meeting of the Dutchess County Horticultural Society the following officers were elected: President, James Blair; vice-president, Wm. G. Saltford; secretary, W. G. Gomersall; treasurer, Chas. H. Mitchell. The treasurer reports receipts of \$965 25 and expenditures of \$1029.89.

A WHOLE GARDEN For 14c.

We wish to gain this year 200,000 new customers, and hence offer

1 Pkg. Salzer's Blue Blood Tomato.....	15c
1 " The Northern Lemooc.....	15c
1 " Mama's Favorite Onion.....	10c
1 " Emerald Green Cucumber.....	10c
1 " City Garden Beet.....	10c
1 " 13 Day Radish.....	10c
1 " LaCrosse Market Lettuce.....	15c
3 " Elegant Flower Seeds.....	15c

Worth \$1.00 for 14 cents. \$1.00

We will mail you this entire \$1.00's worth of splendid seed novelties free, together with our large illustrated Plant and Seed Catalogue on receipt of this notice and 14c in postage

Choice Onion Seed 60c 1b and up.
Potatoes at \$1.20 per barrel and up.
 Catalogue alone, 5 cents. T

JOHN A. SALZER SEED CO., LaCrosse, Wis.

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$4.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,
 199 Grant Avenue, JERSEY CITY, N. J.

SEED Pansies PLANTS

The Jennings strain. Fine stock, choice varieties. Medium size plants, 60c per 100 by mail, \$4 per 1000 by express. Extra fine stocky plants to bud and bloom, \$1 per 100; \$10 per 1000. The above growing in cool greenhouses. Seed, \$1 per pkt., 85 per oz. Cash with order

E. B. JENNINGS Grower of the finest Pansies,
 Look Box 254, southport, Conn.

HARDY PERENNIALS

FIFTEEN ACRES of these in every variety hardy in this country. No American Nursery can offer so varied or extensive a collection, at low rates for field-grown plants.



ORDERS FOR

Rare TREES, SHRUBS, RHODODENDRONS and EVERGREENS

can be filled by us more completely and at lower rates than by most American Nurseries.



Write to us for prices for spring orders, for any quantity.

The SHADY HILL NURSERY CO.,
 102 State St., BOSTON, MASS.

CRIMSON RAMBLER	PER 100
4 to 5 feet.....	\$15.00
3 to 4 feet.....	10 00
2 to 3 feet.....	8 00
1½ to 2 feet.....	6.00

YELLOW RAMBLER	
3 to 4 feet.....	10.00
2 to 3 feet.....	8 00
K. A. VICTORIA, fine.....	15.00
PAUL NEYRON, extra heavy.....	10.00

A good assortment in cellar for immediate shipment

HIRAM T. JONES,
 UNION COUNTY NURSERIES, ELIZABETH, N. J.

W. Z. PURNELL, DEALER IN

Green Sheet Moss, large thin pieces, per bbl. \$1.25.
 Green Sphagnum Moss, selected.....per bbl. \$1.00.
 Dried " " well packed, per bbl. \$1.25; 10 bbls., \$10.00.
 Laurel in cases 2x2x4 feet.....per case, \$3.00.
 Long Needle Pines, selected.....per doz. \$1 25; 3 dozen, \$3.00.

SNOW HILL, MARYLAND.

Geraniums

10,000 in red, pink, white and salmon, in 2½-inch pots, ready for shift. Let us know your wants.

GEO. A. KUHL, PEKIN, ILL.

A. SPRENGERII

Ex. strong plants from 2½-in. pots, ready for 3-in.,
\$2.50 per 100; \$20 per 1000.
 The finest stock offered for this price.

JACKSON & PERKINS CO. Newark, N. York.

OUR TRADE DIRECTORY FOR 1901 WILL BE READY FOR MAILING IN A FEW DAYS, FULLY REVISED TO DATE, WITH THOUSANDS OF NEW NAMES AND THOUSANDS OF CHANGES OF ADDRESS. PRICE \$2.00 POSTPAID.

Better hold your spring catalogues and price lists until you get this book. It will be worth it.

Now IS THE TIME TO Sow FLOWER SEEDS.

Michell's Seeds have earned a world wide reputation because they are dependable, FRESH and true to name.

Send for our wholesale price list of SEEDS and Supplies for Florists before purchasing elsewhere. You will not regret it. A postal card addressed to us will bring it to you. We guarantee satisfaction.

HENRY F. MICHELL, ¹⁰¹⁸Market St., Phila., Pa.



MICHELL'S MAMMOTH STRAIN MIXED VERBENA SEED.
The highest quality obtainable for large size and bright color flowers, 30c per trade pkg., \$1.50 per oz., 2 ozs. for \$2.50.

McKellar & Winterson

Wholesale Dealers in Everything for Florists.

Should You Not Receive OUR 1901 CATALOGUE, Write Us for Same.

45-47-49 Wabash Ave., CHICAGO.



Guardian Angel

(Pink Sport of Armazindy)

Scored 90 points at Carnation Show, Chicago Florists' Club, February, 1900. First prize at Exhibition of Chicago Horticultural Society, November, 1900. Very prolific, produces four or five blooms to one on Mrs. Lawson. Introductory price, \$6 per 100, \$50 per 1000.

GUARDIAN ANGEL ORPHAN ASYLUM.

401 Devon Ave.,Chicago.

XXX STOCK.

Cyclamen Persicum Splendens Giganteum, fine plants in bud and bloom, from 4-in. pots, \$1.50 per doz., \$12.00 per 100, from 3-in. pots in bud, \$7.00 per 100.

Begonia Rex, in 15 leading vars., plants from 2 1/2-in. pots, labeled, \$5.00 per 100; my select on, \$4.00 per 100; well-rooted cuttings, labeled, \$2.00 per 100; mixed, \$1.50 per 100.

Solicit your patronage and guarantee satisfaction. PAUL MADER, E. STRAUBENBURG, PA.

It is good business policy to mention the

...American Florist

when you write to an advertiser.

MANETTI STOCKS, ENGLISH or FRENCH.

They are the right size for indoor work. 3-5 millimeters, or about the size of a lead pencil. English \$12.00 per 1000, French, \$10.00 per 1000. Write for prices on large quantities. HARRY A. BUNYARD, ³⁸West 28th Street, New York.

Carnation Cuttings...

Ready for immediate shipment. All fine and well rooted.

	Per 100	Per 1000
Mrs. Thos. W. Lawson.....	\$ 7.00	\$60.00
Sunbeam.....	10 00	75.00
Prolifica.....	10 00	75.00
Bon Homme Richard.....	10.00	75 00
Nydia.....	10 00	75.00
Marquis.....	5.00	40.00
Genevieve Lord.....	4.00	35.00
Ethel Crocker.....	4.00	35.00
Mrs. Geo. Bradt.....	3.00	25.00
G. H. Crane.....	3.00	25.00
Gold Nugget.....	3.00	25.00
Gen. Maceo.....	2.00	15.00
Chicago.....	3.00	20.00
White Cloud.....	2.00	15.00
Mrs. F. Joost.....	1.50	12.00
Mrs. J. Dean.....	2.00	15.00
Jubilee.....	1.50	12.00
Flora Hill.....	1.50	12.00
Daybreak.....	1.50	12.00
Kelina.....	1.00	8 00
Triumph.....	1.50	12 00

Chrysanthemum Stock Plants, Philadelphia, Mrs. Robinson, Bonaffon, October Sunshine, Mme. Bergman, 60c per doz., \$4.00 per 100. Poinsettia Plants, 50c and \$1.00 per dozen.

JOS. LABO, Joliet, Ill.

Do You Want a Few Fine Mrs. Fisher Carnations

for summer blooms? We have about 20.0 to spare in 2-inch pots and now ready for a shift. Write GEO. A. KUHL, PEKIN, ILL.

Ethel Crocker

WHEN store men telegraph that they must have some Crocker for their customers, and commission men beg for consignments, in spite of the fact that there are plenty of other pinks on the market, it is a pretty sure sign that Crocker has some points of merit distinctive from the others and that there is an unfiled demand for the flowers. With the largest stock of this variety grown by any one grower in the country I can fill your orders with carefully selected cuttings, at

\$4 per 100 or \$30 per 1000. SEND FOR LIST OF OTHER VARIETIES.

ALBERT M. HERR LANCASTER, PA.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halfpines of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch. THE AMERICAN FLORIST CO.,324 Dearborn St., CHICAGO.

Mobile, Ala.

Christmas trade was beyond our wild-est expectations, with stock only half sufficient to meet the demand. Every-body was busy and some of the trades-people are preparing to build more glass next season. C. Ravier built three new houses last summer and has some very fine roses in solid beds. Maria Minge has some splendid carnations, probably the best ever grown in this section. She has a new house 20x100 feet which is thoroughly modern in every respect, and attracts a great many visitors. She has been without a gardener for some weeks and finds the work of firing boilers, watering the stock in four houses, making up work and attending to decorations and store trade a heavy tax on one woman's energies. The people here are gradually learning to appreciate the value of the florist's services and trade is steadily growing, although with as much material as lies at the householders' door here, people are slower to call on the florist than they are in more northerly cities. Last month there were two halls, a number of receptions, cotillions and several dinners to cheer the florists up.

M.

CHAMPAIGN, ILL.—Thomas Franks is building a fine six-room cottage costing \$2,000.

JACKSONVILLE, ILL.—At Joseph Heinel's new range everything is in the finest of condition, with roses and carnations looking unusually well. He will have splendid crops.

LINCOLN, NEB —Trade holds up remarkably well, especially shipping to the west. Brides and Bridesmaids are very good and plentiful despite the cold, cloudy weather.

Rooted Carnation CUTTINGS.

THIS stock is strictly first-class in every respect, free from disease and will be thoroughly rooted when sent out. We guarantee them to be as represented. Money refunded if not satisfactory.

	Per 100	Per 1000
Sport, Pink	\$5.00	\$40.00
Triumph	1.50	12.50
Flora Hill	1.50	12.50
White Cloud	1.50	12.50
Evanston	1.50	12.50
Armazindy	1.00	7.50
Portia	1.00	7.50
Wm. Scott	1.00	7.50
McGowan	1.00	7.50
Evelina	1.00	7.50
Kohinoor	1.00	7.50

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,
CHICAGO.

Rose Cuttings! Carnation Cuttings!

ROOTED ROSE CUTTINGS.

Brideamaid	100	1000	Meteor	100	1000
Bride	\$1.50	\$12.50	Perle	\$1.50	\$12.50
Golden Gate	1.50	12.50		1.50	12.50

CARNATION ROOTED CUTTINGS.

Irene	100	1000	Argyle	100	1000
Mrs. Lawson	\$10.00	\$75.00	Cerise Queen	\$1.50	\$12.50
Marquis	6.00	55.00	Edna Craig	1.50	12.50
Guardian Angel	5.00	40.00	Evanston	1.50	12.50
Genevieve Lord	5.00	40.00	Gov. Griggs	1.50	12.50
Peru	4.00	35.00	Melba	1.50	12.50
Crocker	4.00	35.00	Daybreak	1.50	12.50
Crane	3.00	25.00	Armazindy	1.25	10.00
Chicago (Red Bradt)	3.00	25.00	Hill	1.25	10.00
America	2.50	20.00	White Cloud	1.25	10.00
Mrs. Bradt	2.00	17.50	McGowan	1.00	7.50
Triumph	1.50	12.50	Evelina	1.00	7.50
Frances Joost	1.50	12.50			

All stock sold under the condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG, 51 Wabash Ave., Chicago, Ill.

The Largest Fancy Carnation. Ready March 1st.

-PROSPERITY-

ALL ORDERS FILLED IN STRICT ROTATION.

Prices for Rooted Cuttings.

1 Plant	\$.50	250 Plants	\$ 37.50
12 Plants	5.00	500 Plants	70.00
25 Plants	8.25	750 Plants	101.25
50 Plants	10.00	1000 Plants	130.00
100 Plants	16.00		

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., = Flatbush, N. Y.

Rooted Cuttings Carnations and Roses.

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
CRANE	\$3.00	\$25.00	ARMAZINDY	1.25	10.00
BRADT	2.50	20.00	TIDAL WAVE	1.50	12.50
EVANSTON	2.00	17.50	WM. SCOTT	1.25	10.00
JOOST	1.25	10.00	ETHEL CROCKER	4.00	35.00
WHITE CLOUD	1.25	10.00	MARQUIS	4.00	35.00
FLORA HILL	1.25	10.00	GENEVIEVE LORD	4.00	35.00
DAYBREAK	1.50	12.50	IRENE	Per doz., \$1.50; 10.00	75.00
TRIUMPH	1.50	12.50			

ROSES.

KAISERIN	\$1.50	\$12.50	BRIDE	1.50	12.50
LA FRANCE	1.50	12.50	BRIDESMAID	1.50	12.50
METEOR	1.50	12.50	GOLDEN GATE	1.50	12.50
PERLE	1.50	12.50			

These cuttings are all well-rooted, guaranteed free from any disease, carefully packed.

GEORGE REINBERG, 51 WABASH AVE., CHICAGO.

"Hoosier Maid,"

The great midwinter blooming Carnation large, pure white flowers on strong stem. Ready Feb. 15.

\$1.50 per doz., \$10 per 100, \$80 per 1000.

A. RASMUSSEN, New Albany, Ind.

Rose Cuttings.

FOLLOWING VARIETIES: Woottons, Meteos, Brides, Maids, Kaiserin A. Vic., Perles, Beauties, Golden Gate, LaFrance, Belle Siebrecht, Prea, Carnot.

All Stock. Satisfaction guaranteed. Write

GEO. A. KUHL, PEKIN, ILL.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU

PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

NEW CARNATIONS For 1901.

	Per 100	Per 1000
Lorna, white.....	\$10.40	\$75.00
Mermaid, salmon pink a good summer blooming Carnation.....	6.00	50.00
Roosevelt (Ward) crimson.....	12.00	100.00
Novelty (Ward) lemon yellow, edged pink.....	12.00	
Golden Beauty (Ward) lemon yellow	12.00	
Prosperity (Dailedouze) white overlaid pink.....	16.00	130.00
Irene, Dorothy, Norway and Egypt.....	10.00	75.00

We are booking orders now for delivery as soon as ready.

THE 1900 NOVELTIES—Morning Glory and Ethel Crocker, \$4 per 100, \$30 per 1000; Lawson, \$7 per 100, \$60 per 1000; G. Lord, \$6 per 100, \$50 per 1000; Marquis, Olympia and Peru, \$5 per 100, \$40 per 1000.

Also G. H. Crane, White Cloud, Bradt and the other good standard sorts. We make a specialty of Rooted Cuttings.

F. DORNER & SONS CO.,
LAFAYETTE, IND.

CARNATIONS

Rooted Cuttings Now Ready. All Fine.

	Per 100	Per 1000
Lawson.....	\$6.00	\$50.00
Olympia.....	5.00	40.00
Marquis.....	5.00	40.00
Crocker.....	4.00	35.00
Lord.....	4.00	35.00
Peru.....	4.00	35.00
Crane.....	3.00	25.00
America.....	3.00	25.00
Bradt.....	3.00	25.00
Pingree.....	3.00	25.00
Morning Glory.....	3.00	25.00
Gacier.....	3.00	25.00
White Cloud.....	2.00	15.00
Jubilee.....	2.00	15.00
Maceo.....	2.00	15.00
Wood.....	2.00	15.00
Daybreak.....	1.50	12.00
Flora Hill.....	1.50	12.00
Triumph.....	1.50	12.00
Joost.....	1.50	12.00
Scott.....	1.00	8.00
Evelina.....	1.00	8.00

250 at 1000 rates. Cash or C. O. D.

We refer you to trade papers' report of St. Louis Chrysanthemum Show as to quality of our stock.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

100,000 R. C. Carnations

Ready to Ship.

	Per 100	Per 1000
Mrs. Thos. Lawson, pink.....	\$6.00	\$58.00
Genevieve Lord, light pink.....	4.00	38.00
Ethel Crocker.....	3.50	30.00
Morning Glory, shell.....	3.00	25.00
Mrs. F. Joost, pink.....	3.00	25.00
Argyle, dark pink.....	1.50	12.50
Daybreak, shell.....	1.50	12.00
William Scott.....	1.00	8.00
G. H. Crane, scarlet.....	2.50	20.00
Chicago.....	3.00	25.00
America, scarlet.....	2.50	20.00
Peru, white.....	3.00	25.00
Melba, light pink.....	1.50	12.50
Gen. Maceo, crimson.....	2.00	15.00
Gen. Gomez.....	1.75	13.00
Olympia, variegated.....	5.00	40.00
Mrs. G. M. Bradt.....	3.00	25.00
Armazindy.....	1.00	8.00
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.00
Mary Wood, white.....	2.00	18.00
Gold Nugget, yellow.....	3.00	25.00

CASH WITH ORDER.

H. E. MITTING, Mgr. Fort Dodge Greenhouse Co. FORT DODGE, IA.

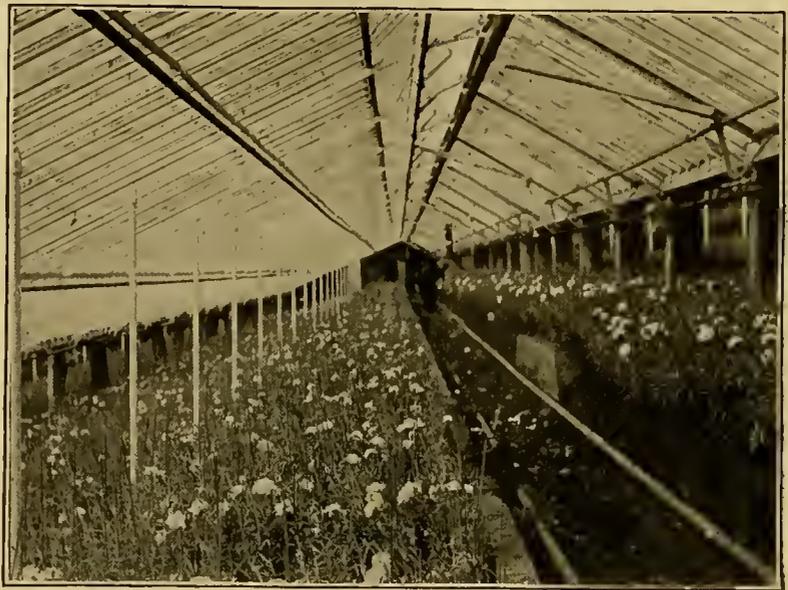
ROOTED CUTTINGS CARNATIONS.

Ethel Crocker.....	100, \$4.00; 1000, \$30.00
White Cloud.....	" 2.00; " 15.00
Alaska (white).....	" 1.00; " 7.50

ROSES.

Golden Gate.....	100, \$2.50; 1000, \$20.00
Bride.....	" 1.50; " 12.50
Bridesmaid.....	" 1.50; " 12.50

GEO. HARRER, Morton Grove, Ill.



FROM PHOTOGRAPH OF QUEEN LOUISE TAKEN OCT. 28th, 1900.

QUEEN LOUISE CARNATION

This new Carnation produces the finest flowers, is perfectly healthy and is the best white variety ever introduced.

IT BLOOMS EARLY — IT BLOOMS LATE — IT BLOOMS ALL THE TIME.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November. No other Carnation can stand such a test.

Prices on Application. Rooted Cuttings ready February 15th. Come and see it or send for circular.

J. L. DILLON, Bloomsburg, Pa.

172,000 Rooted Cuttings

READY TO SHIP. WE ROOT 10,000 A WEEK.

	Per Doz.	Per 100	Per 1000
A. Mitting, light cream, 3 1/2-inch bloom.....	\$1.50	\$10.00	\$75.00
Mrs. A. Mitting, clear pink, 3 1/2-inch bloom.....	1.50	10.00	75.00
De Roo Mitting, white, 3 inch bloom.....	1.50	10.00	75.00
Sunbeam, light pink, C. C. Co.....	1.50	10.00	75.00
Bon Homme Richard, white, C. C. Co.....	1.50	10.00	75.00
Nydia, variegated, C. C. Co.....	1.50	10.00	75.00
Prolifica, cerise pink, C. C. Co.....	1.50	10.00	75.00
Lorna, pure white, Dorner.....	1.50	10.00	75.00
Mermaid, salmon pink, Dorner.....	1.00	6.00	50.00
Irene, pink, Crab & Hunter.....	1.50	10.00	75.00
Sport from Victor and Armazindy, Hill.....	1.50	10.00	75.00
California Gold, Hill.....	1.50	10.00	75.00
Queen Louise, white, J. L. Dillon.....	1.50	10.00	75.00
Mrs. Lawson, the \$30,000 Carnation.....		7.00	60.00
Olympia, variegated.....		4.75	38.00
Genevieve Lord, light pink.....		3.75	33.00
Ethel Crocker, pink.....		3.75	33.00
Morning Glory, the Coming Daybreak.....		3.75	33.00
Mrs. G. M. Bradt variegated.....		2.75	23.00
G. H. Crane, scarlet.....		2.75	23.00
Peru, white.....		3.10	25.00
America, scarlet.....		2.75	23.00
Gold Nugget, yellow.....		2.75	23.00
Gen. Maceo, dark red.....		2.25	18.00
Gen. Gomez, dark red.....		2.00	15.00
White Cloud, white.....		1.50	12.50
Mrs. F. Joost, pink.....		1.50	12.50
Flora Hill, white.....		1.25	10.00
Daybreak, shell pink.....		1.50	12.00
Wm. Scott, pink.....		1.25	10.00
Armazindy, variegated.....		1.25	10.00

25 Cuttings at 100 rates; 250 at 1000 rates. Cash or C. O. D.

THE MORRIS FLORAL CO., Morris, Ill.

DOROTHY

Seedling pink Carnation, Scott color. Commercially the best of all Carnations yet introduced. Certificates awarded at Chicago, Philadelphia and Cincinnati. Rooted Cuttings, \$10 per 100; \$75 per 1000.

Also Rooted Cuttings of

GENEVIEVE LORD

\$6.00 per 100; \$50.00 per 1000. Orders booked now for rooted cuttings of above varieties.

E. T. GRAVE, Richmond, Ind.

St. Paul.

TRADE GOOD SINCE THE OPENING OF THE NEW CENTURY—MUCH STOCK SHIPPED IN BECAUSE OF SHORT LOCAL SUPPLY.—VARIOUS MATTERS OF INTEREST.

New Year's trade was very good, but seems to become less from year to year. Since the advent of the century there has been a good, steady demand for all flowers and prices have kept up well. The weather has been quite favorable and the cut fairly good, although most houses are now off crop. A great many flowers are shipped in here from Milwaukee, Chicago and Joliet, our own growers not producing nearly enough. Country trade is very good, a large portion of it being for funeral purposes, with an occasional party and a few weddings, all of which combine to pay coal bills.

L. L. May and his nephews, W. T. May and F. W. May, have been called to Toronto by the serious illness of a brother and father. **FELIX.**

Albany, N. Y.

BUSINESS SLACKS UP A LITTLE BUT THE LEGISLATURE AND SOCIAL EVENTS MAKE TRADE FOR SOME DEALERS.

Business is quieter than a week ago and the trade is now experiencing something of the slump that usually follows the holiday rush. The largest social event of last week was the charity ball on the evening of January 4. H. G. Eyres had charge of the floral decorations, for which he received many compliments. The decorations consisted mostly of kentias, ferns, Easter lilies, azaleas and laurel roping.

All those who expressed their opinions of trade incident to the convening of the legislature said that their business on that day was excellent. Whittle Brothers reported that the amount was away ahead of last year. Eyres wore a most satisfied look when the subject was broached and F. A. Danker was positive that his New Year's trade was three times as large as that of any New Year's for the past two seasons. **R. D.**

Boston Ferns.

TRUE TO NAME.

Small plants from bench.....\$ 1.00 per 100
7,000 2-inch..... 2.00 "
4,000 3-inch..... 4.00 "

Let us grow your large Ferns for next summer and fall delivery. Our prices are surprisingly low. Write us.

DAVIS BROS., : Morrison, Ill.

Boston Fern.

Don't forget that we have them in all sizes: 2½, 3, 4, 5, 6 and 7-inch—beauties. Order a sample lot. You will want more.

GEO. A. KUHL, PEKIN, ILL.

Beautiful Ferns

DAVALLIOIDES FURCANS, BOSTONIENSIS and WASHINGTONIENSIS, from 8-in. pots, with two to four feet long fronds, at \$1.00 each; \$10 per dozen. For other choice and rare plants, see my adv., page 508 of this paper, or write for a copy.

N. STUDER, ANACOSTIA, D. C.

No more of either of the Lorraine Begonias to offer until next June.

BOSTON FERNS,

3-inch pot plants, \$75.00 per 1000.

EDWIN LONSDALE,

WYNDMOOR, (near Phila.), PENNA.

New Carnations, Rooted Cuttings. Ready March 1st.

PROSPERITY (666). Each, 50c; 12 for \$5.00; 25 for \$8.25; 50 for \$10.00; 100 for \$16.00; 250 for \$37.50; 500 for \$70.00; 750 for \$101.25; 1000 for \$130.00.

Queen Louise.....	doz., \$1.50;	100, \$10.00;	1000, \$75.00
Dorothy.....	" 1.50 "	" 10.00 "	" 75.00
Irene.....	" 1.50 "	" 10.00 "	" 75.00
Roosevelt.....	" 2.50 "	" 12.00 "	" 100.00

New Chrysanthemums. Ready April 1st.

Each, 50c; doz., \$5.00; 100, \$30.00. Mrs. Elmer D. Smith, the best new yellow; Omega, Chesnut Hill, Timothy Eaton Yanariva.

Carnations.

Strong plants transplanted into soil and flats. Every one sure to grow. Sorts marked * ready now in soil.

	100	1000		100	1000
*Marquis.....	\$5.00	\$40.00	*Flora Hill.....	\$1.75	\$15.00
Mrs. Thos. W. Lawson.....	7.00	60.00	*Wm. Scott.....	1.50	12.00
*Estelle.....	7.00	60.00	*Mrs. Geo. M. Bradt.....	4.00	30.00
*Ethel Crocker.....	5.07	40.00	Gold Nugget.....	4.00	30.00
*Genevieve Lord.....	5.10	40.00	Chicago.....	4.00	30.00
*Morning Glory.....	4.00	35.00	Gen. Maceo.....	3.00	25.00
*G. H. Crane.....	3.00	25.00	Gen. Gomez.....	3.00	25.00
*America.....	3.00	25.07	Daybreak.....	2.00	15.00
*White Cloud.....	2.00	17.50			

THE GRAND NEW PINK GERANIUM Jean Viaud. Doz., \$1.25; per 100, \$10.00. 2-inch pots.

Cannas.

All the Novelty and Standard kinds in large quantities, dormant roots. Write for prices.

14 BARCLAY STREET NEW YORK. **VAUGHANS' SEED STORE,** 84 & 86 RANDOLPH STREET. CHICAGO. GREENHOUSES, WESTERN SPRINGS, ILL.

NEW ROSE ROBERT SCOTT.

Produces a sure crop of Pink Hybrid Roses for Christmas.

A seedling from Merveille de Lyon, crossed with Belle Siebrecht, retaining the size, form, color and growth of the Hybrid Perpetual with the ever-blooming qualities of the Tea Rose. Will not go dormant during the winter. All retail florists admire it and the leading growers endorse it.

PRICES:

Own Roots	1 plant.....	75c	Grafted Plants	1 plant.....	\$1.00
	12 plants.....	50c each.		50 plants.....	50c each.
	50 plants.....	35c each.		100 plants.....	40c each.
	100 plants.....	30c each.		1000 plants.....	35c each.
	1000 plants.....	25c each.			500 at 1000 rate.

Order now, as we will only propagate a limited number of plants. Address

ROBERT SCOTT & SON. SHARON HILL, DEL. CO., PA.

Crimson Rambler Roses.

These Roses have fibrous roots and are particularly well adapted for potting and forcing.

2 to 2½ ft, \$10 per 100; 3 to 3½ ft., \$12 per 100; 3½ to 5 ft., \$15 per 100.

CANNAS

Write for Price List of nine new varieties.

The CONARD & JONES CO., West Grove, Pa.

CARNATIONS

ROOTED

CUTTINGS

We are booking orders now for cuttings at the following prices:

G. H. CRANE.....	\$25.00 per 1000	WHITE CLOUD.....	\$12.50 per 1000
MRS. BRADT.....	25.00 "	FLORA HILL.....	10.00 "
MADAM CHAPMAN.....	25.00 "	McGOWAN.....	10.00 "
DAYBREAK.....	12.50 "	ELDORADO.....	10.00 "

We have the largest and finest stock of these varieties to be seen anywhere and will have large quantities of Cuttings during the season. If you are in need of a large lot write me and get special price. Can save you money. We also have the blooms of the above varieties at market quotations. Violet blooms at all times.

Address **CHAS. CHADWICK, Grand Rapids, Mich.** Lock Box 11

MRS. FISHER CARNATIONS

For summer flowering, well-rooted cuttings, \$8.00 per 1000. **ANDREW CHRISTENSEN, Stoneham, Mass.**

Rooted Cuttings.

CARNATIONS and ROSES, Select stock. Lowest wholesale prices. Write to **W. H. CULLETT & SONS, Lincoln, Ill.**

THE BIG FOUR.

OUR INTRODUCTIONS OF NEW CARNATIONS
 FOR 1901.

Sunbeam: Extra bright flesh pink, early free and continuous bloomer. Per doz. 100 1000
 Flowers of good form and size, borne on long stiff stems..... \$1.50 \$10 \$75

Bon Homme Richard: White, extraordinary free bloomer; fine form, good size. Stems 2½ to 3 feet long..... \$1.50 \$10 \$75

Nydia: Variegated, salmon stripe on white ground. Quick seller, extremely free bloomer, fine form and stiff stem..... \$1.50 \$10 \$75

Prolifica: Cerise pink. Very long, stiff stems, large flowers, and as its name indicates, an extra free bloomer..... \$1.50 \$10 \$75
 First lot ready Feb. 1, of the above four vars.

OTHER INTRODUCTIONS.

GOVERNOR ROOSVELT..... \$2.50 per doz.; \$12 per 100; \$100 per 1000.
PROSPERITY..... \$5 per doz.; \$16 per 100; \$130 per 1000
NORWAY..... \$1.50 per doz.; \$10 per 100; \$75 per 1000
LORNA..... \$1.50 per doz.; \$10 per 100; \$75 per 1000
IRENE..... \$1.50 per doz.; \$10 per 100; \$75 per 1000
EGYPT..... \$1.50 per doz.; \$10 per 100; \$75 per 1000
MERMAID..... \$6 per 100; \$50 per 1000
DOROTHY..... \$1.50 per doz.; \$10 per 100; \$75 per 1000

OTHER VARIETIES.

	Per 100	Per 1000
Mrs. Thos. W. Lawson..... cerise pink.....	\$7.00	\$60.00
Olympia..... variegated.....	5.00	40.00
Marquis..... pink.....	5.00	40.00
Genevieve Lord..... ".....	5.00	40.00
Ethel Crocker..... ".....	4.00	35.00
Morning Glory..... light pink.....	4.00	35.00
Mrs. Geo. M. Bradt..... variegated.....	3.00	25.00
G. H. Crane..... scarlet.....	3.00	25.00
Chicago..... ".....	3.00	25.00
America..... ".....	3.00	25.00
Gold Nugget..... yellow.....	3.00	25.00
Gen. Maceo..... crimson.....	2.00	15.00
Gen. Gomez..... ".....	2.00	15.00
White Cloud..... white.....	2.00	15.00
Mrs. Frances Joost..... pink.....	2.00	15.00
Mrs. Jas. Dean..... ".....	2.00	15.00
Jubilee..... scarlet.....	2.00	15.00
John Young..... white.....	1.50	12.00
Flora Hill..... ".....	1.50	12.00
Argyle..... cerise pink.....	1.50	12.00
Daybreak..... light pink.....	1.50	12.00
William Scott..... pink.....	1.00	8.00
Evelina..... white.....	1.00	8.00
Armazindy..... variegated.....	1.00	8.00

ROOTED CUTTINGS OF STANDARD VARIETIES READY JANUARY 1ST. WRITE FOR DESCRIPTIVE CATALOGUE.

CHICAGO CARNATION COMPANY - Joliet, Illinois.

Rooted Cuttings

Carnations

	Per 100	Per 1000
Mrs. Lawson.....	\$6.00	
The Marquis.....	5.00	\$40.00
Ethel Crocker.....	4.00	30.00
Mrs. Bradt.....	2.50	20.00
Joost.....	1.50	12.50
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.50
Triumph.....	1.50	12.50
Jubilee.....	1.50	12.50
Daybreak.....	1.50	12.50
Armazindy.....	1.50	12.50
Mrs. Jas. Dean.....	1.50	12.50
Wm. Scott.....	1.00	7.50
Thos. Cartledge.....	1.00	7.50
Red Jacket.....	1.00	7.50
Victor.....	1.00	7.50
McGowan.....	1.00	7.50

From stock absolutely free from stem rot or other disease.

STOCK CHRYSANTHEMUMS.

Chadwick, Xeno, Nagoya, Lucie Faure, 10c each, \$1.00 per dozen.
 Queen, Yellow Queen, Bloodgood, Modesto, 75c per dozen.

F. E. SHAW, 326-28 Sunset Av. UTICA, N. Y.

Florists all over the country are quickly discerning the

Commercial Value of The Lawson Carnation.

The demand will be heavy this season. My stock is in excellent condition, clean and healthy. Rooted cuttings ready now, or for later delivery.

PRICE, Per 100 \$7.00
 Per 1000..... \$60.00

TERMS STRICTLY CASH from unknown parties. Send ALL ORDERS DIRECT TO

PETER FISHER, Ellis, Mass.
 No Agents.

New Carnation ELENOR AMES.

The best deep pink Carnation ever introduced. Deeper color, larger flowers, stronger grower and produces more blooms per plant than its parent, Wm. Scott. Does not burst. A continuous bloomer. Has been grown for five years. Plants free from all disease. Rooted cuttings ready February 1, \$1.50 per doz., \$10 per 100, \$75 per 1000.

D. CARMICHAEL, Wellesley, Mass.

Rooted Carnation Cuttings

No better Carnation Blooms were ever offered in the Chicago market than those we are shipping out this season. Our plants are in perfect health and every cutting offered is well rooted and in first-class condition. We have all the fancy sorts.

	Per 100	Per 1000	Per 100	Per 1000
The Sport, Pink Armazindy	\$5.00	\$50.00		
Mrs. Lawson.....	6.00	50.00	Argyle.....	1.50
The Marquis.....	4.00	35.00	Triumph.....	1.50
Genevieve Lord.....	4.00	35.00	Frances Joost.....	1.50
Ethel Crocker.....	4.00	35.00	Gov. Griggs.....	1.50
Peru.....	4.00	35.00	Melba.....	1.50
G. H. Crane.....	3.00	25.00	Edna Craig.....	1.50
America.....	2.50	20.00	Flora Hill.....	1.50
Mrs. Geo. M. Bradt.....	2.00	17.50	White Cloud.....	1.50
Chicago (Red Bradt).....	2.00	17.50	Daybreak.....	1.50
Cerise Queen.....	1.50	12.50	Evelina.....	1.00
Evanson.....	1.50	12.50	McGowan.....	1.00

WIETOR BROS., Wholesale Growers of Cut Flowers,
 51 Wabash Ave., CHICAGO, ILL.

WEILAND-AND-RISCH

59 WABASH AVE., CHICAGO.

ROOTED CARNATION CUTTINGS.

	100	1000		100	1000
Mrs. T. W. Lawson.....	\$7.00	\$60.00	Mrs. Frances Joost.....	\$2.00	\$15.00
Marquis.....	6.00	50.00	Evanson.....	2.00	17.50
Genevieve Lord.....	6.00	50.00	White Cloud.....	2.00	15.00
Dorothy, Irene.....	10.00	75.00	Flora Hill.....	1.50	12.50
Prosperity (686).....	16.00	130.00	Gov. Griggs.....	2.00	17.50
Roosevelt.....	12.00	100.00	Triumph.....	1.50	12.50
Ethel Crocker.....	4.00	35.00	Melba.....	2.00	17.50
G. H. Crane.....	3.00	25.00	Mary Wood.....	2.00	17.50
Mrs. Geo. M. Bradt.....	3.00	25.00	Gold Nugget.....	3.00	25.00
Queen Louise.....	10.00	75.00	America.....	3.00	25.00

ROOTED ROSE CUTTINGS.

	100	1000		100	1000
Meteor.....	\$1.50	\$12.50	Golden Gate.....	\$2.50	\$20.00
Bride.....	1.50	12.50	Kaiserin.....	1.50	12.50
Bridesmaid.....	1.50	12.50	Perle.....	1.50	12.50
			La France.....	1.50	12.50

Florists ordering of us can rest assured of obtaining first-class stock, as we vouch for every cutting sent out.

WE SOLICIT A TRIAL ORDER.....

ALL TELEGRAPH ORDERS GIVEN CAREFUL & IMMEDIATE ATTENTION

WHOLESALE FLORISTS

Norway Large Commercial White Carnation.

We are pleased to announce to the trade that we have in Norway a commercial white that combines size with productiveness, and therefore must of necessity be a profitable money making carnation. It is exceptionally healthy and vigorous in growth, is not subject to spot, and is entirely free from rust. Stem is always strong at any season of the year. Flowers open rapidly, and is a keeper of the first water. In short it is the white carnation the trade has been looking for for a long time. We recommend it as the best money making white carnation ever offered.

Egypt A Rich, Scarlet Crimson.

A radical departure from all other crimsons now on the market. Color is unsurpassed in this class; size of bloom 3 inches and over. It has modern commercial stems 2½ to 3 feet, and extra strong. It has also a strong spicy odor. In these two points it excels all other crimsons. Its growth it is healthy and vigorous; is in good flower by November 1 to 15, always commands a high price. It is so distinct that every grower will need it. It is the best keeper of all the dark varieties; a strictly high grade flower that sells at sight.

Price for the above two varieties \$1 50 per doz., \$10 per 100, \$75 per 1000. Ready February 15th.

Genevieve Lord

THE GREATEST MONEY MAKING PINK CARNATION EVER INTRODUCED.

Since making her entree last February, Genevieve Lord has acquired a host of staunch friends. We have been congratulated by large and small growers alike on its good behavior and money earning capacity. It has thus far proved our every claim for it, and bids fair to outdo in every particular the old favorite, Wm. Scott. Our stock is in extra fine shape; free from all disease. Ready now. All orders booked and shipped in strict rotation. A good thing is soon exhausted; don't wait, but place your order at once.

Price \$6.00 per 100; \$50.00 Per 1000.

—Also

MRS. T. W. LAWSON, MARQUIS,
ESTELLE, CROCKER, OLYMPIA,
MORNING GLORY, J. WHITCOMB RILEY,
and the best standard sorts.
Correspondence invited.

We have a large stock of

Timothy Eaton Chrysanthemum,

also all other new and standard varieties. Write us for anything you may want. Our plants have an enviable reputation.

H. WEBER & SONS, = = Oakland, Md.



VERBENA KING.

Express prepaid on all Rooted Cuttings.

Verbenas, 40 best mammoth vars. 60c per 100; \$5.00 per 1000.
Alternanthera, red and yellow, 60c per 100; \$5 per 1000.
Ageratum, 4 best vars., 60c-75c per 100; \$5.00-\$6.00 per 1000.
Heliotropes, 10 best vars. \$1 per 100; \$8 per 1000.

Daisies, 2 best vars., \$1 00 per 100; \$8.00 per 1000.
Geraniums, strong 2¼-in., best named varieties, ready for 3-in., \$2 50 per 100, \$20 per 1000.
Verbena plants, strong, full of cuttings, fine as silk, \$2 per 100, \$18 per 1000.
Heliotrope, 2¼-in., strong, fine plants, \$2 per 100, \$18 per 1000.

Send for our new list of other rooted cuttings and plants; it will save you money. Write for prices on larger lots. Special low express rates to all parts. THAT CASH PLEASE.

C. HUMFELD, Clay Center, Kas.

3 - Great Glories - 3

BEGONIA GLOIRE DE LORRAINE, 2¼-inch pots, \$15.00 per 100.
BEGONIA GLOIRE DE LORRAINE Nana Compacta, 2¼-inch pots, \$15.00 per 100.
BEGONIA CALEDONIA, "The White Lorraine," 3¼-inch pots, \$5 00 each.
This stock guaranteed absolutely free from disease.
THOMAS ROLAND, Nahant, Mass.

AGERATUM

"Stella Gurney."

As necessary to your bedding stock as coleus or geraniums. Dwarf in growth, true blue and always in bloom. Strong pot plants at

75 cts. per Doz.; \$5.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

A good adv. in a good paper will bring good returns.



DOUBLE PETUNIA.

...Dreer's...

Double Petunias

For many years the Double Petunia has been one of the specialties of our establishment, and again this season we have grown many thousands of seedlings from which our collection has been selected, embracing only such distinct fringed varieties and colors that are especially suited to the retail trade.

We offer strong 3 inch pot Stock Plants that will in a short time furnish a liberal quantity of cuttings in 15 distinct varieties, \$1.00 per Dozen, \$8.00 per 100. Set of 15 varieties for \$125.

PETUNIA SEED.

Superb Double Fringed, 500 seeds, 75c; 1000 seeds, \$1.50
Superb Single Fringed, trade packet, 50c; 1/2 ounce, \$2 50.

HENRY A. DREER

714 Chestnut St., PHILADELPHIA.

SMILAX

2000 fine long strings at 15c per String, \$1.50 per Dozen.

Violet Runners Lady Campbell, guaranteed to be perfectly healthy, \$7 per 1000.

Also A No. 1 Violet Blooms at market rates.

—CASH BY MONEY ORDER OR REGISTERED LETTER—

THE STOVER FLORAL CO., GRANDVILLE, MICH.

Palms & Ferns.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**

The Exotic Nurseries, DAYTON, OHIO.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL.
(N. Halsted St.)

Minneapolis.

BUSINESS BRISK AND ON A STEADY LEVEL WHICH PROMISES TO CONTINUE.—JOTTINGS OF DOINGS HERE AND THERE.

The past week's business shows a large improvement on the preceding one. Monday brought this week in with good trade, which is a fair sign that the activity will continue through. Stock has dropped in price so that business is becoming more settled. Roses and carnations are in good supply. Bridesmaids are still overabundant but the stock is the finest seen for a long time.

A stroll through the houses of Wm. Donaldson & Co. finds everything in good order. Here some extra fine Bradt, Joost, Daybreak and Lawson were observed. Mr. Donaldson intends propagating Mrs. Lawson largely, as it has made a fine showing. James Souden, who is in charge, is pleased to show visitors through his well kept houses at all times. He reports Liberty as doing fairly well.

A. S. Swanson reports his Christmas trade good. His store was the most lavishly decorated of all, and Mr. Swanson takes pride keeping it thus.

C. Johnston, of S. E. Olson Co., reports Christmas trade very good, a great sale on ferneries, which were preferred to cut flowers.

E. Nagel & Co. are displaying a finelot of blooming plants, ferns and azaleas in their window, which make a very pretty show.

Will. A. Desmond, formerly with Miss Whitted, has accepted a position with Wm. Donaldson & Co. C. F. R.

SWARTHMORE, PA.—John D. Erisiman has bought the Richard S. Dare greenhouses and lot 148x258.

STAFFORD SPRINGS, CONN.—Frank Bazine has resigned his position as grower for the Stafford Floral Company and has been succeeded by Henry Lingel, of Elmira, N. Y. Mr. Wyning is the manager of the place, which is now devoted exclusively to carnations.

F. B. Hayes

The best late pink Chrysanthemum. Stock plants for sale, \$2.00 per doz., \$15.00 per hundred.

WILLIAM SIM, - Cliffondale, Mass.

... New ...
Chrysanthemum GOLD SMITH
Cream yellow tinted with bronze, sport from Pres. W. R. Smith, fine large flowers, strong stem. Your collection of Chrysanthemums can not be complete without this new candidate. There is without doubt a commercial future before this sort. Exhibited at Cincinnati November 17 it scored 83 points. Price \$2 per doz. Orders taken now and filled in March.

H. L. RACAN, P. O. Box 106, Springfield, O.

LATANIA & BORBONICA.

We have a surplus of this variety in 4-inch pots, extra strong plants, well rooted and ready for a shift. Sample sent by mail for 30c in stamps; \$2.50 per doz.; \$18.50 per 100. This is a bargain, hurry up with your orders.

CASH PLEASE.—

W. W. COLES, Kokomo, Ind.

ROBT. CRAIG & SON,
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Roses, Carnations & Chrysanthemums FOR 1901.

ALL THE NEW ROSES, Including Robert Scott,

Queen of Edgely and others worth growing in fine stock. Also all the standard varieties, both for forcing and planting in the open ground; will be found fully described in my new Wholesale Trade List, which will be ready in a few days and will be mailed to all applicants.

Carnations

The sensational new varieties for 1901,

PROSPERITY, GOV. ROOSEVELT

and all the other new ones at advertised rates; also all the really good varieties of last year's and former introductions in extra fine selected stock all ready for very early shipment.

Chrysanthemums

My new set for 1900 embraces some sterling varieties. Brutus, a grand early red; Chestnut Hill, late yellow; Mrs. W. B. Chamberlain, the very best large clear pink yet introduced; Yanariva, blush, Morel form; Zampa, chrome red. I have also secured a large block of the celebrated Timothy Eaton and all the other new and standard varieties in A1 stock. Correspondence solicited.

JOHN N. MAY, Summit, N. J.

ROSES — STRONG 2 YEAR FIELD GROWN.

CRIMSON RAMBLER, extra strong.....\$12.00 per 100.
HYBRID PERPETUAL, in fine assortment.....\$10.00 per 100, \$90.00 per 1000.
HYBRID PERPETUAL, in fine assortment, 2d size..... 6.00 " 50.00 "
These are well rooted, good stock, but not quite heavy enough to go into first grade.

AZALEAS

Stock in excellent shape, well set with buds.
10 to 12-inch crowns.....\$35.00 per 100 12 to 14-inch crowns.....\$45.00 per 100

SPIRAEAS

JAPONICA.....\$3.50 per 100 ASTILBOIDES FLORIBUNDA\$4.00 per 100
NANA COMPACTA.....\$5.00 per 100

PALMS

KENTIA BELMOREANA, 2½-inch pots.....\$8.00 per 100, \$75.00 per 1000
KENTIA BELMOREANA, 3-inch pots, 4 and 5 leaves.....\$15.00 per 100
KENTIA BELMOREANA, 4 inch pots, 14 to 16 inches high..... 30.00 "
KENTIA BELMOREANA, 5-inch pots, 18 inches high..... 60.00 "
KENTIA BELMOREANA, 5 and 6-inch pots, 18 to 22 inches high..... 75.00 "
KENTIA FORSTERIANA, 2½-inch pots..... 10.00 "
KENTIA FORSTERIANA, 3-inch pots, 12 inches high..... 15.00 "
KENTIA FORSTERIANA, 4-inch pots, 15 to 18 inches high..... 35.00 "
KENTIA FORSTERIANA, 5-inch pots, 18 to 22 inches high..... 50.00 "
KENTIA FORSTERIANA, 5 and 6 inch pots, 24 to 28 inches high..... 75.00 "
ARECA LUTESCENS, 2½-inch pots.....\$6.00 per 100, \$50.00 per 1000

ASPARAGUS

PLUMOSUS NANUS, 2½-in. pots...\$ 5.00 per 100 SPRENGERII, 2½-in. pots.....\$3.00 per 100
PLUMOSUS NANUS, 3-in. pots..... 6.00 " SPRENGERII, 3-in. pots..... 5.00 "
PLUMOSUS NANUS, 4-in. pots..... 12.00 " SPRENGERII, 4-in. pots..... 8.00 "

BOSTON FERNS

Strong 2-inch pots.....\$3.00 per 100, \$25.00 per 1000

THE STORRS & HARRISON CO., Painesville, O.

TELL THEM WHERE YOU SAW THE AD.

GRAND OFFER, FINE PLANTS, NONE BETTER.

ARECA LUTESCENS.

Size pot.	Height.	Each.	Doz.
4-inch	18 3 in pot	.30	3.50
5-inch	20 to 24	.60	
8-inch	36	2.50 to 3.00	

KENTIA BELMOREANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	12 inch	\$.20	\$ 2.00	\$12.00
4-inch	5 to 6	15	.50	5.00	
6-inch	8 to 10	24	1.00	12.00	
6-inch	7 to 8	30	1.50	16.00	

KENTIA FORSTERIANA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	3 to 4	9 to 10	\$.30	\$ 3.00	\$25.00
4-inch	4	15 to 18	.40	4.00	
6-inch	5 to 6	40	2.75	30.00	

LATANIA BORBONICA.

Size pot.	Leaves.	Height.	Each.	Doz.	100
3-inch	5 to 6	12 inch	\$.15	\$ 1.50	\$12.00
4-inch	5 to 7	15 to 18	.25	3.00	20.00
6-inch	6 to 8	21 to 30	1.00	12.00	
6-inch	6 to 8	30	1.50	16.00	
6-inch	7 to 8	30	2.00	bushy	

COCOS WEDDELIANA.

Size pot.	Height.	Each.	Doz.	100
3-inch	12 to 14	\$.20	\$2.40	\$18.00

BOSTON FERNS.

Size pot.	Each.	Doz.	100
3-inch	.....	\$.20	\$ 2.00 \$15.00
4-inch	.....	.35	4.00
5-inch	.....	.75	8.50
6-inch	.....	.75	9.00
6-inch	pot or pans.	1.00	12.00
7-inch	" " " "	1.50	18.00
8-inch	" " " "	2.00	21.00
9-inch	" " " "	2.50	27.00

FICUS ELASTICA.

Size pot.	Height.	Each.	Doz.
6-inch	24 to 30	\$.75	\$9.00
6-inch	30 to 34	1.01	12.00
8-inch	48	1.50 to 2.00	

REX BECONIAS.

Size pot.	Each.	Doz.	100
3-inch	\$.10	\$1.20 \$10.00
5-inch20	2.25 18.00

ASPARACUS SPRENGERII.

Size pot.	Each.	Doz.	100
3-inch	\$.60	\$ 5.00
6-inch	\$.35	4.00 25.00

DRACÆNA INDIVISA.

Size pot.	Each.	Doz.	100
5-inch	\$.35	\$ 4.00 \$25.00

CYCLAMEN PERSICUM CICAUTEUM

2½-inch at \$4.00 per 100; 6-inch at 40c each, \$4.50 per dozen; 7 and 8-inch pans, 75c each, \$8.50 per dozen. These plants are nicely huddled.

Dracæna Bruanti, \$1.50 each, \$18 per dozen.
 Dracæna Massangeana, \$2 each, \$24 per hundred.
 Dracæna Lindenii, \$1.50 each, \$18 per dozen.
 Dracæna Terminalis, 50c each, \$6 per dozen.
 Small Feros, Adiantum Cuneatum, 3-inch pots, \$6 per hundred.

Mixed Feros, 3 inch pots, \$6 per hundred.
 Cyperus Alternifolius, 3-in. pots, \$5 per hundred.
 Hydrogea, Otaksa, 6-inch pots, \$10 per hundred.
 Extra fine for Easter forcing.

Jerusalem Cherry, nicely barried, 6-inch pots, bushy, 40c each.

Gausperleptha! A sure remedy for carnation rust, stem rot and black spot on roses. Spray your plants with CAUSPERLEPTHA and get rid of these greatest of evils. Having discovered and used this preparation for a number of years, I have repeatedly been asked to place it on the market for the benefit of all concerned. It is a sure remedy and has never failed to keep plants clear by constant application. One gallon diluted makes 120 gallons. It is perfectly harmless to plants and gives them a rich, glossy foliage. Directions with every can. NO FLORIST SHOULD BE WITHOUT IT. Price per gal., \$2.00. Special prices on larger quantities. We guarantee Causperleptha to do all we claim for it.

Cut Flowers, Palms and Plants.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

C. H. RONEY, Supt.

OUR SPECIALTY

New and Choice
FLOWER SEEDS

For Florists.

WE ARE

Headquarters

FOR

Begonia

Gloire de Lorrains,
 Gloire de Lorraine nana compacta,
 The WHITE LORRAINE.

HAVE YOUR ORDERS BOOKED NOW
 FOR FUTURE DELIVERY.

Write for Wholesale list.

R. & J. FAROUHAR & CO.,

6 and 7 S. Market Street,
 BOSTON, MASS.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock
 in the world.

SANDER ST. ALBANS, ENGLAND and
 BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Orchids! Orchids!

We collect, import and grow Orchids EXCLUSIVELY. Our stock of established ORCHIDS is unsurpassed in quality and price. Of freshly gathered Orchids we have in transit

CATTLEYA SCHROEDERAE.

Finest quality of ORCHID PEAT, SPHAGNUM and ORCHID BASKETS.

Our Price List for 1901 is now ready,

LAGER & HURRELL, Orchid Importers and Growers, SUMMIT, N. J.

**All the New Chrysanthemums,
 The Best of the New Carnations,
 Many Fine New Geraniums.
 A choice list of New Cannas,
 Several New Pelargoniums,
 The "Queen of Edgely" Rose,**

and a complete list of standard sorts, will be offered in our catalogue for 1901. If not received by January 20th, drop us a card. Correspondence solicited.

.....**NATHAN SMITH & SON, Adrian, Mich.**.....

GERANIUMS.

	Per 100
Finest sorts, such as S. A. Nutt, E. G. Hill, B. Poitevine, Queen of the West, La Favorite,	\$9.00
Mt. Snow and Souv. de Chas. Turner	3.00
Ageratum, Princess Pauline	3.00
Coleus, best sorts	2.50
Chrysanthemums, best sorts	3.00
Dracæna Indivisa, from open ground, strong, now in 4-in. pots, ready for shifting; 1st size,	10.00
2d size	8.00
Asparagus Sprengerii, 3 inch	8.00
Heliotrope, five sorts	3.00
Ivies, English	4.00
Lantanas	3.00
Lantania Borbonica, 5-inch	35.00
Moon Vine, white	4.00
Oleanders, dbl. white and dbl. pink	5.00
Smilax	2.00
Verbenas, best sorts	2.50
Roses, leading Teas	2.50
Roses, leading H. P's	5.00
Brides and Maids, 3-inch, strong	5.00

W. L. SMITH, AURORA, ILL.

Lilacs for Forcing

Potgrown, with very long stems. The best cultivated on the continent.

MARIE LEGRAYE, CHARLES X., and MME. CASIMIR PERIER.

Case of 18 pieces, \$6, f. o. b. Rotterdam.

JAC. SMITS, Naarden, (Netherlands.)

TERMS—Cash or good references on the continent.

WANTED—Agents for the sale of Lilacs, Lily of the Valley Pips, Spiraeas, Standard Shrub Roses, etc.

Please mention the American Florist when writing.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

Toronto.

TRADE VERY GOOD AFTER CHRISTMAS WITH STOCKS SHORT IN MANY LINES.—NOTES OF INTEREST HERE AND THERE.

The week between the holidays was very good, with stock scarce, and New Year's trade was eighty per cent better than last year. This day is proving a large factor to the retail trade. Several stores had to close as they could not get flowers enough to sell. Good flowering plants were easily disposed of but they were so well cleaned up at Christmas that few good plants were seen. The shortage on Beauties and Liberties kept them up to Christmas prices, and not enough to supply the would-be purchasers at that. Of the teas, Meteors had first call at \$3 and \$4 a dozen, with Bridesmaids and Brides next in demand. Carnations were in good supply but the flowers were not as large as at Christmas. Violets were of excellent quality. A box from Vair, of Barrie, which contained a few hundred, were a pleasure to the eye, the best seen this season. Lily of the valley is very scarce. Harrisii and callas are becoming more plentiful, and are very welcome for design work.

Manton Brothers are cutting some fine blooms of Cattleya Trianae and Eucharis Amazonica.

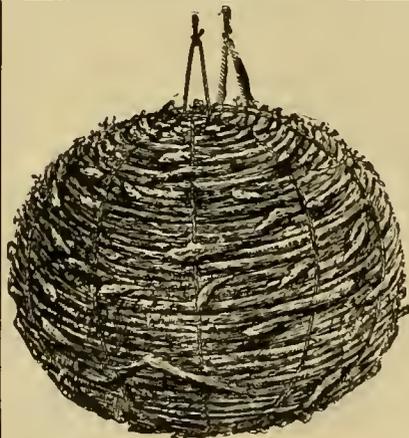
John H. Dunlop, who was laid up for several weeks with appendicitis, is better again.

Grobba & Wandry have several new seedling ferns which look very promising.

Jennings, of Concord avenue, has the first sweet peas of the season.

F. Duffort is sending in some fine violets and Primula obconica. H. G. D.

MUSCATINE, IA.—At two o'clock on the morning of January 2, the greenhouse at John C. Miller's was damaged by fire. The loss approximated \$300.



FOR PRESENT DELIVERY!
JAPANESE FERN BALLS.

True long-leaved variety. You will find a ready sale for them.

Per doz. \$4; per 100 \$30.

Write for Prices on Quantities!

VAUGHAN'S SEED STORE,

CHICAGO:

84-86 Randolph St.

NEW YORK:

14 Barclay St.

Heacock's Premium Palms

Certificate of Merit for Culture Pennsylvania Horticultural Society, March, 1900.
Certificate of Merit for Culture Pennsylvania Horticultural Society, November, 1900.

Only the Best, Grown in the Best Manner. Immense Stock, free from Insects and Disease and in the Best Possible Condition. Send in your Order at Once.

Areca Lutescens.	3 plants, 6-in. pot, 24 to 28 inches.....	\$12 per doz.; \$100 per 100.
	3 " 8 " 36 " FINE.....	\$3 each.
Cocos Weddeliana.	1 plant, 3-in. pot, 12-in. high.....	\$ 25 per 100.
	3 plants, 5 " 18 ".....	\$1 each; \$100 "
Kentia Balmoreaana.	4-in. pot, 5 to 6 leaves, 15-in. high....	\$4.50 per doz., \$35 per 100.
	6 " 6 leaves, 24 ".....	\$125 "
	8 " 6 " 30 to 32-in. high.....	\$3 each.
Kentia Forsteriana.	4-in. pot, 4 to 5 leaves, 15-in. high....	\$4.50 per doz., \$35 per 100.
	6 " 5 " 24 to 28-in. high.....	\$1 each, \$12 per doz.
	6 " 5 to 6 " 30-in. high.....	\$15 " \$15 "
	8 " 6 " 36 to 40-in. high.....	\$3 " \$36 "

JOSEPH HEACOCK, - Wyncote, Pa.

Forcing Plants

AZALEA INDICA. See former issues.	Per 100
Spiraea Japonica.....	\$ 3.50
" Compacta.....	4.00
" Astilhoidea Floribunda.....	4.00
" Plumosa Alba (new).....	15.00
" Palmata, scarlet.....	5.00
" Elegans.....	5.00
" Alba.....	5.00
Dielytra Spectabilis (Bleeding Heart).....	5.00
Paeonia Officialis rubra pl.....	8.00
" alba plena.....	20.00
" Tenuifolia fl. pl.....	18.00
MONTHLY ROSES, Hermosa, pink.....	10.00
" Agrippina, dark red.....	10.00
" Clothilde Soupert.....	12.00
H. P. Roses, low budded, leading kinds.....	10.00
Crimson Rambler, extra strong.....	15.00
Hydrangea Otaksa, 4-6 shoots.....	12.00

BOBBINK & ATKINS, Rutherford, N. J.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Branches:

OTAKSA,

PRICE \$10 per 100; \$85 per 1000.

Send for our wholesale price-list of Roses, Clematises, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.

Jackson & Perkins Co. Newark, New York

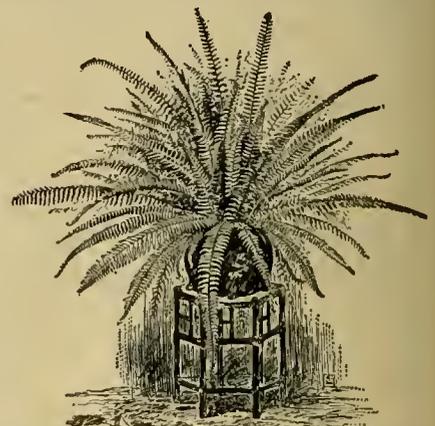
Asparagus Sprengeri, 2 1/2-inch.....	\$2.50 per 100
3 " " ".....	4.00 per 100
Asparagus Plumosus, 2 1/2-inch.....	5.00 per 100
3 " " ".....	6.00 per 100
Small Ferns for dishes, 4 vars, 2 1/2-in. 3.00 per 100	
Carex Variegata, 2 1/2-inch.....	3.00 per 100
Boston Ferns, 8-inch pans. \$15 and \$18 per doz.	
" 2 1/2-inch.....	5.00 per 100
" 3-inch.....	8.00 per 100
Nephrolepis Cordata Compacta, 6-inch 25.00 per 100	
Geraniums—S. A. Nutt, Heteranthe, La P lot, rooted cuttings, \$18.00 per 1000. CASH, PLEASE.	

CARL HACENBERGER, West Mentor, O.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.

Asparagus Sprengeri—Strong 3 1/2-in., \$6.00 per 100.
New Rose Snowflake—The Daisy Rose, \$10 per 100.
New Lace Fern—Fronds last a month, \$6.00 per 100.
New Russelia Multiflora—2 1/2-inch, \$4.00 per 100.
50 New Plants not to be Had Elsewhere.
Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$20.
Cannas, Dahlias, and all summer blooming bulbs. Electro and Cuts for Florists and Seedmen.
A. BLANC, PHILADELPHIA, PA.

We like to have you tell our advertisers that you read our paper.



BOSTON FERN A Specialty.

20,000 very fine plants at \$25 and \$20 per 100. Small plants, \$5 per 100; \$40 per 1000.

ASPARAGUS P. NANUS and SPRENGERII, for 4-in., at \$3.00 per 100. SMALL PALMS and FICUSES.

L. H. FOSTER, 45 King St., Dorchester, Mass.

DON'T GET LEFT

ON GERANIUMS. They are going very fast at \$3 per 100, \$25 per 1000 out of 2 1/2-in. pots, ready for shifting into 3 or 4-in. Composed of the following varieties: S. A. Nutt, Frances Perkins, LaFavorite, E. G. Hill, Beate Poitevine, Wm. Pfitzer, Ruy Blas, Double Grant and in fact all the leading vars.

Ageratum, 2 1/2-in. pots, Princess Pauline, Cope's Pet, White Cap, \$1 per 100. R. C. 50c per 100.

Fuchsias in variety, R. C., \$1 per 100.
Coleus, 2 1/2-in. pot, \$1.50 per 100. R. C. 50c per 100. Cash Must Accompany Order.

J. E. FELTHOUSEN, Schenectady, N. Y.

Please mention the American Florist when writing.

CHRYSANTHEMUMS.

Stock Plants of the following late varieties.....

BONNAFFON WESTERN KING GRETCHEN BUETTNER MRS. MURDOCK.
H. W. RIEMAN YANOMA MERRY CHRISTMAS \$1.00 a Dozen.

INGRAM & LYNES, Reading, Mass.

Please mention the American Florist when writing.

We are booking orders for Rooted Cuttings of

CARNATIONS,

All the best varieties. Write us.

GEO. HANCOCK & SON, Grand Haven, Mich.



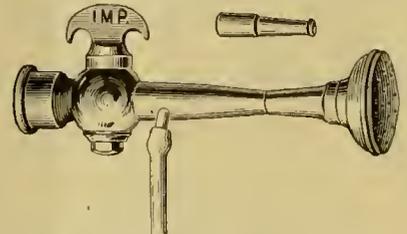
Liquid Plant Food

Grows hardier stock; grows improved stock. Stock ships better; also ready earlier. Brings better customers and more profits.

30 gal., including bbl.	\$12.10
20 " " "	8.10
10 " " "	4.85

For spraying fertilizer and Bordeaux, kerosene, etc.,

Use the "IMP. Nozzle and Sprayer."



It automatically dilutes the fertilizer, 50 to 1, BY THE HOSE, with no labor. Needs no adjustments. All brass. \$3.00.

EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

IF YOU WANT HEALTHY PLANTS FUMIGATE WITH NICOTICIDE THE BEST OF ALL INSECTICIDES

Write for full particulars to
The Tobacco Warehousing & Trading Co.,
1000 Magnolia Ave., LOUISVILLE, KY.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN - CIRCULAR FREE - SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the BLOOMS the Bugs! QUICKLY DOES IT.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

Verbenas, 35 vars., 60¢ per 100, \$5 per 1000. Colous, 30 vars., 60¢ per 100, \$5 per 1000. Heliotrope, 14 vars., \$1 per 100, \$8 per 1000. Petunias, dbl., named, \$1.25 per 100, \$10 per 1000. Ageratums, 3 vars., 60¢ per 100, \$5 per 1000. Lantanas, 4 vars., \$1.25 per 100. Alyssum, giants, \$1 per 100. Salvias, 3 vars., \$1 per 100. Geraniums, 2 1/4-in., all named, \$2.50 per 100, \$20.00 per 1000. Express prepaid on all Rooted Cuttings. Cash with orders. Write B. D. BRANT, CLAY CENTER, KAS.

Field-Grown VINCA VAR. VINES

3-inch pot Vinca Vines, \$4.00 per 100.

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 44 Boyd St., WATERTOWN, N. Y.
Please mention the American Florist when writing.

SPECIALTIES IN BEST ...VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.

Prices low. Send for list. VIOLETS.

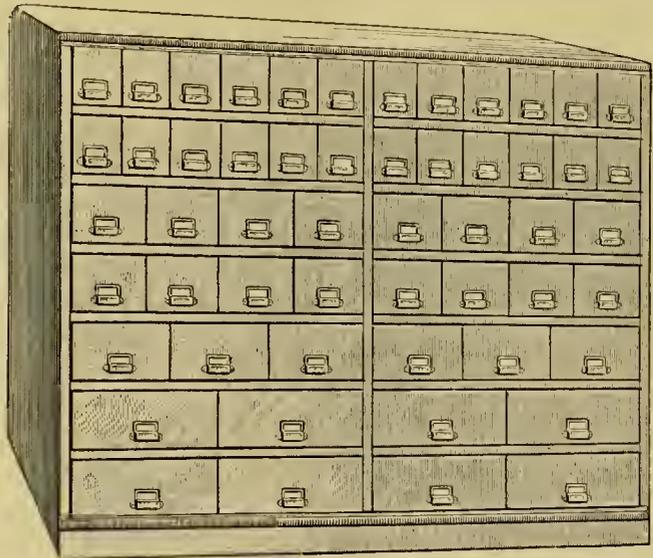
WOOD BROTHERS, FISHKILL, N. Y.

VIOLET RUNNERS. 25,000 STRONG ROOTED RUNNERS. LADY CAMPBELL VIOLETS.

From sand, \$5 per M; fr. soil \$7.50 per M. Samples free
WM. SWAYNE, Kennett Square, Pa.

HELLER'S MICE PROOF SEED CASES

THIS Case contains 54 interchangeable Steel Seed Drawers, 12 inches long. By this interchangeable system you can arrange your seeds alphabetically, using the smaller drawers for small seeds, and larger ones for bulky seeds, such as beets, radish, parsnip, spinach, etc. Each drawer has a lap front, so no insects can get in; also is perfectly mice proof in every detail, has a steel back and is built to last a life time; size of case, 62 inches wide, 53 inches high, and 13 inches deep;



weighs, when packed, about 400 pounds. They are finished complete with a strong Pull and Card Clip. They have no moulding on sides, so you can place two or three alongside of one another. We carry them in stock for immediate shipment. No. 1901 is made of White wood exposure, stained any color to suit. No. 1902 is solid Oak exposure, finished in natural or antique finish. These cases are the most practical ever offered the seed trade, and price we put on them is very low, for the reason that we produce them in large quantities. These drawers will hold 14, 9, 7 1/2 and 5 1/2 quarts respectively.

We can supply you these cases with any size drawer.

Write for Catalogue

HELLER & CO., Montclair, N. J., U. S. A.

Get it Now! It's Ready!

GERANIUM AMERICA

\$8 per 100; 25 at 100 rate.

HENRY EICHHOLZ, Waynesboro, Pa.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

LETTUCE....

Big Boston, Boston Market and other varieties, 15c per 100; \$1.00 per 1000; \$8.50 per 10,000. If by mail add 10c per 100.

CABBAGE

Wakefield and Succession, 25c per 100; \$1.25 per 1000. If by mail add 20c per 100.

CASH WITH ORDER. Other vegetable plants, also flower plants. Send for list.

R. VINCENT, Jr., & SON, White Marsh, Md.

Please mention the American Florist when writing.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flower saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We can supply any quantity fine, stocky plants—2 1/4 in., \$2.50 per 100. Cash with order. Shellroad Greenhouse Co., Grange P. O., Balto., Md.

Waterbury, Conn.

TRADE GOOD AND TRADESPEOPLE ALL PROSPEROUS.—A VISIT TO SOME UP TO DATE PLACES.—CARRIED OVER GRAFTED ROSE PLANTS.

The holiday trade proved a record breaker, surpassing all expectations, and the usual dull spell generally experienced during the first part of January has in no wise come to pass, both Mr. Dallas and Mr. Cuttle reporting a great trade all along the line. Funeral work of a high order has kept Mr. Dallas unusually busy during the last few days. It was my first visit to Mr. Dallas' North Willow street establishment, and it was worth my while. The seven houses, comprising about 30,000 feet of glass, are models of their kind. Iron rafters, iron posts, cement walks and the most improved solid beds were used. The houses were built to last, and last they certainly will. Here are as fine a lot of Brides and Bridesmaids as I have yet seen, the stock being grafted, some two and some four years old. One cannot help questioning the advisability of replanting every year, as it is generally done. Carnations do equally well here, three large houses being given to their cultivation. Among the pinks, Ethel Crocker and Frances Joost are decidedly in the lead, The Marquis and Lawson being close seconds. White Cloud and Flora Hill do finely, and for "shorts" Lizzie McGowan still earns her board. Crane and Red Jacket do well for reds. One house is given to violets, both the Imperial and Marie Louise being grown to perfection.

At W. M. Cattle's things were equally interesting. The plant consists of nine well built, modern houses, where roses, carnations and violets are doing remarkably well. His monster rose house, 327 feet long, is especially interesting.

R. S. Rasmussen has dispensed with his retail business and is giving his entire attention to the wholesale trade. Of late he has been sending in some fine roses and carnations.

NOMIS.

BRIDGETON, N. J.—The greenhouses of T. E. Edwards & Bro. were damaged by fire on Saturday, December 29.

HAVERHILL, MASS.—Andrew Lackey, curator of horticulture in the Essex Institute at Salem, died on January 1, aged 87 years.



IF THERE IS ANYTHING you want in the way of

PREPARED PALMS

Whether the raw materials or the finished goods, you will get best satisfaction and service from the right people on the right spot.

Florida Natural Products Co., Jacksonville, Fla.

Branch Store, Indianapolis, Ind. Inquiries Cheerfully Answered.

KIFT'S PATENT Adjustable Vase Holders

No. 1.—Braes, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$2.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod brass and nickel, with three clasps for 5 to 6-in. pots, each, \$1.75. Kift's patent rubber capped Flower Tubes, 1/2-in. diameter, per 100, \$3.50.

ROBERT KIFT, Florist, 1725 Chestnut St. Philadelphia, Penn.

The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until the burn heap is reached. It does the work much better than a hand rake and three times as fast. Easy to operate. Given certificate of merit at N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.

FINLEY LAWN RAKE CO., Joliet, Ill



SILVER BIRCH BARK WARE.

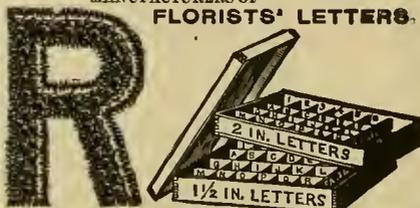
PRICES PER DOZ.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4-in. \$1.80; 5-in. \$2.40; 6-in. \$3.00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 14-in. per doz. \$11; 11-in. \$9; 9-in. \$7. References: Geo. Wittbold Co., E. Wienhoeber, C. A. Samuelson, Chicago. J. A. LYNN, 1442 WRIGHTWOOD AVE., CHICAGO.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$2.00. Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager, 84 Hewley St., BOSTON, MASS.

Please mention the American Florist when writing.

Use **"UP-TO-DATE" FLORISTS' SUPPLIES.**

M. Rice & Co., Importers and Manufacturers, 918 Filbert St., PHILADELPHIA, PA. CATALOGUE FOR THE ASKING.....

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it. 108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

60, 62, 64 and 66 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs, AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

REED & KELLER,

Manufacturers of Florists' Designs.

Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you up on..... **SILKALINES.**

84 Kingston St., BOSTON, MASS.

MEYER SILKALINE is for sale by all the leading seedsmen and jobbers throughout the country.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & Co., 54 West 51st St., New York. HORTICULTURAL SUPPLIES.

BEST AND Cheapest

ALL-ROUND INSECTICIDE on the Market.



For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A., SADDLE RIVER, N. J.

American Florist Advertisements Work Every Day.

Hitchings & Co.

ESTABLISHED 1844.

HORTICULTURAL ARCHITECTS AND BUILDERS

And Largest Manufacturers of

Greenhouse Heating and Ventilating Apparatus.

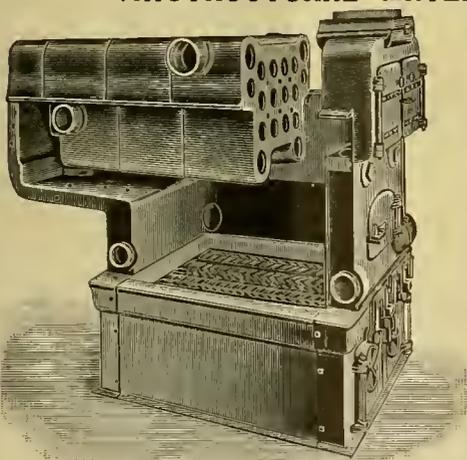
ROSE HOUSES, PALM HOUSES AND CONSERVATORIES ERECTED COMPLETE WITH OUR PATENT IRON FRAME CONSTRUCTION.



The above cut shows the most modern and finest range of Greenhouses in the World. They were erected by us in the Botanical Gardens, Bronx Park, New York City.

BUILDERS OF IRON FRAME GREENHOUSES.

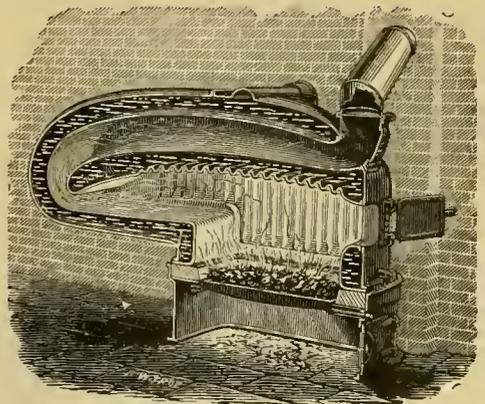
....STRUCTURAL MATERIAL FURNISHED READY FOR ERECTION....



Our New Sectional Tubular Boiler.

HOT WATER
BOILERS
FOR
GREENHOUSE
HEATING.

6 Patterns, 30 Sizes.



Our Well-Known Corrugated Fire Box Boiler.

PERFECT SASH RAISING APPARATUS.

Hitchings & Co.,

Send 4c for Illustrated Catalogue.

233 Mercer St., NEW YORK CITY.

St. Louis.

TRADE VERY GOOD.—SINCE THE HOLIDAYS PRICES ARE DOWN CONSIDERABLY.—THE DOINGS OF WHOLESALERS AND RETAILERS.

The trade for the holidays was reported from all sides as being of the very best. The stock that was to be had was sold at good prices and every one seemed to be satisfied. The wholesale market was very good, everything bringing good prices. Roses sold at from \$4 to \$15 per hundred; carnations were cleaned out quickly, fancies bringing 5 cents and 6 cents, while the others sold to ready buyers at 3 cents and 4 cents. A large number of violets were sold, and most of them brought \$2 per hundred. Harrisii and hyacinths were sold at 3 cents and 4 cents, and the few Beauties that were sold brought from \$10 to \$12 per dozen for the best, and from this down to \$4 per dozen for the others. The wholesale prices have taken a considerable fall since New Year's, roses bringing 3 cents to 8 cents; carnations \$1.50 to \$4 per hundred; violets 75 cents per hundred and Beauties \$1 to \$4 per dozen.

Frank M. Ellis is in his new store at 1316 Pine street, and has it fixed up in a very neat way; it is one of the best looking wholesale stores in the city. Frank says that during the holidays he has cleaned out his stock very early each day.

J. M. Hudson has given up his store again on account of ill health. J. M.

NEW BRITAIN, CONN.—Carl Lorenzen will shortly move to a new store, George M. Parsons moving to the store now occupied by Mr. Lorenzen.

DO NOT FORGET

before building that addition to your greenhouses to write us for expert plans and figures. Perhaps we can save you money.

THOS. W. WEATHERED'S SONS,
46 Marion St., NEW YORK.

Die Bindekunst

Einzige Special Zeitschrift der Welt für BLUMENBINDEREI.

Probenummern umsonst.
Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag,
ERFURT, DEUTSCHLAND.

RUSTIC WORK FOR ALL PURPOSES
MADE TO ORDER..

In stock, the most extensive variety in the country. of Baskets Window Boxes, Stands, Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO.,
19 Fulton Street, NEW YORK CITY.

INDEPENDENT OF ALL TRUSTS.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hothed Saahas and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

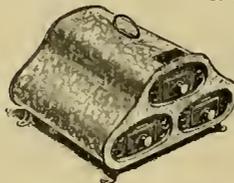
HYGROMETER
or **MOISTURE GAUGE.**

THIS Moisture Gauge tells you the difference between dryness and dampness in your greenhouses. We have been testing two of these moisture gauges several months and find they are more indispensable than the thermometer. If you keep this moisture gauge at 70 degrees you will have neither mildew nor red spider in your rose houses. If you keep it at 80 degrees you will not have rust nor red spider in your carnation houses. If you keep it at 85 degrees you will never have fungus in your rooted cutting houses. If you keep it at 75 degrees you will not have decayed leaves in your geranium houses; and if you have a moisture gauge in every house 100 feet long and keep it at above figures you will make at least \$100 more per year from each house. Who wants to buy mildewed roses or rusty carnations?

To operate this moisture gauge it is essential to wet the walks in order to get the proper dampness. If your houses are too damp in the winter, fire up a little and in summer time open your ventilators. This has been obtained only by years of experience. Now you can tell your greenhouse hands to keep it at 70 or 80 degrees as you want it, just as you tell your fireman to keep the temperature in such a house at 60 degrees. We never had any intention to sell moisture gauges but they are doing us so much good we have obtained some we can sell at \$2.50 each, but we think you will want more. These moisture gauges are made in Germany and France. The French machines come at \$10.00 each; they are quite an ornament and no cheap truck. We will give one of the \$2.50 machines FREE for a \$20.00 order for plants, or rooted cuttings, or unrooted cuttings, from our 1901 catalogue, or from our ads. in the trade papers; or we will send you one for \$2.50, and after 10 days' trial if you do not like it you may return it and get your money back.

THE MORRIS FLORAL CO.,
MORRIS, ILL.

For Protection of Your Plants in Winter
You should Use



A LEHMAN WAGON HEATER

Circular and Price List for the asking.

Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAS. W. ERRINGER,
297 Wabash Av., CHICAGO.

D. O. Cunningham

.....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.
HOT-HOUSE GLASS A SPECIALTY.



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
RICHMOND, IND.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the.....

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England.

REBUILT MACHINERY

and SUPPLIES at Bargain Prices. Largest Machinery Depot on earth. We buy buildings and plants; among others we bought the World's Fair, the Omaha Exposition, the Chicago Post Office, and other structures. We rebuild machinery of all kinds, and sell with binding guarantees. Boilers from \$25 up; Engines from \$35 up; Steam Pumps from \$15 up, complete stock of General Supplies, etc. We carry BELTING, SHAFING, HANGERS, PULLEYS, IRON PIPE, IRON ROOFING, HARDWARE, VALVES & FITTINGS, PLUMBING MATERIAL, etc. Will send free, our 250-page Catalog No. 47. Constantly buying entire stocks at Sheriff's and Receivers' sales. Chicago House Wrecking Co., W. 35th & Iron Sts., Chicago, Ill.



THE KINNEY PUMP.
For applying Liquid Manure it has no equal!
Sent prepaid for \$2.50.
Without spraying valve \$2.00.

Ad-dress **The HOSE CONNECTION CO. KINGSTON, R. I.**

A MESSAGE FROM THE SPERET WORLD.



Mr Editur i got hold uv an ole buk sum time ago what toled about a hot place down belo where senners ar cent to roste in fire an brimstun furever an ever amen. Well i got sorry for the pore chaps an made up mi mind to giv em a breth uv fresh are, So i blode out the bottom uv a plaidout gas wel with dinimite and slid down a lot uv mi ventilatin contrapshins with direcshins how to uze em an i reckon the Boss must a got em an put em up fur a fue daze a go i got a Spiritul komunikashun frum him while at a Seance an this iz wat he rit,

HADES, Aug. 1st, 1900.

MR. J. D. CARMODY, Evansville, Ind.

My thoughtful and tender hearted friend:—How good of you to come to the rescue of us Poor Devils. Through all the ten thousand years that we have roasted you are the only mortal that has tried to improve our condition. Your ventilating machines work so well you will oblige me if you will kindly send down some of your **Champion Boilers** that I may still have a **hot corner** for special subjects and occasions, as "I need it in my business." Please accept the thanks of myself and subjects.

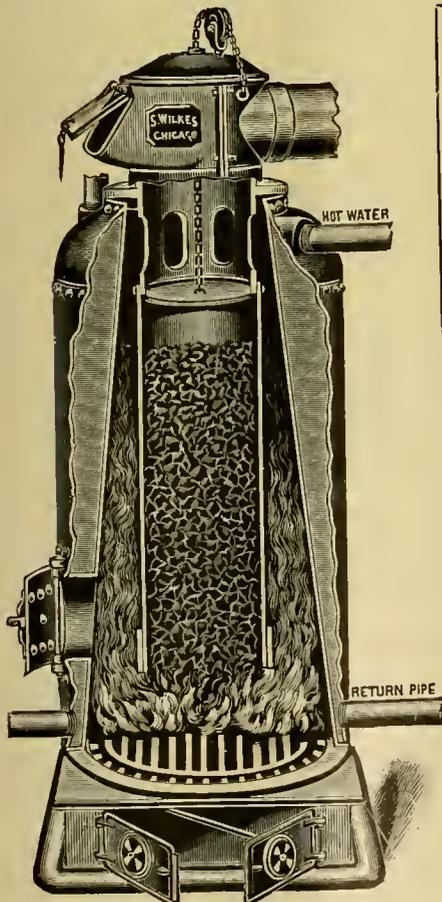
KING OF THE REALM, BEELZEBUB.

Sind tew me fur mi Kat-a-loge mi name iz

J. D. CARMODY an i liv in Evansville indiana klose to Posey Co.

N. S. BOUTON, PRESIDENT.

E. H. SEDGWICK, GEN. MGR.



WILKS WATER HEATERS

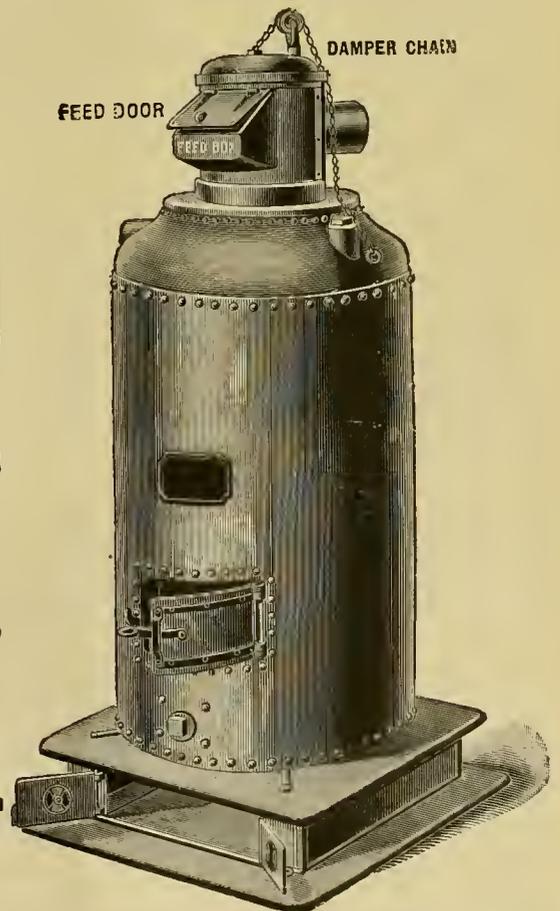
BEST MADE FOR GREENHOUSES

All Steel,
Simple, Strong,
Durable.

S. WILKS MFG. Co.

53-55 S. Clinton St.,
CHICAGO.

Send for Catalogue.



Paterson, N. J.

COMPETITION REDUCED BY THE FAILURE OF ONE RETAILER. — MUCH FUNERAL WORK. — GOOD DECORATIONS. — NOTES WITH THE GROWERS.

The Hamilton Club, of Paterson, gave a reception last Thursday evening and the club house, the finest in the state, was decorated by Scery. The lower floor was embellished with holly and asparagus while the upper floors were garlanded with smilax, roses and hyacinths. There were 4,000 roses used, 300 strings of smilax and 200 strings of Asparagus plumosus.

There has been considerable funeral work since Christmas. One of the largest funerals was that of the sister of Col. Barbour, the thread manufacturer. Scery and Veselius had the majority of the Paterson work. Scery made thirty-seven pieces in all while Veselius made eighteen pieces. Thorley, of New York, had many orders.

One of our local florists received a box of flowers from a New York commission house Christmas day at noon, which should have been delivered the day before. The commission house refuses to make good, the express company reports the goods were accepted, and naturally the florist is wroth.

There is one florist less in Paterson, Hoffman having left, neglecting a number of unpaid bills both in Paterson and New York. The landlord put a padlock on the store last week and a New York party holds a chattel mortgage on the goods.

A. V. D. Snyder, the bulb grower, shipped 14,000 Romans to New York to one commission house the day before Christmas. He is also cutting some fine Crane carnations.

Vreeland & Condie shipped some fine American Beauties in December and are still right in it with them. They will grow nothing else next year.

Theo. Leonhard, of Haledon, has a fine lot of carnations and it is said he will build two more houses in the spring.

John Thompson expects to put up more houses next year. SILK CITY.

LEADVILLE, COLO.—Mr. and Mrs. T. Stockdorf and Mrs. A. E. Johnson are enjoying very prosperous trade. At the latter establishment they have recently enlarged the greenhouse and are now growing American Beauties for the first time.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

Awarded the only first-class Certificate of Merit by the Society of American Florists at Boston, Aug. 21, 1890, for Standard Flower Pots.



WHILLDIN POTTERY CO.
FLOWER POTS
JERSEY CITY LONG ISLAND CITY
PHILADELPHIA

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

THOS. W. WEATHERED'S SONS,
46 Marion St., NEW YORK.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1600 2-in. pots in crate, \$4.88	120	7-in. pots in crate, \$4.20	
1600 2 1/2 " " " 5.26	60	" " " 3.00	
1600 3 " " " 6.00	48	" " " 3.60	
1000 3 1/2 " " " 5.00	48	" " " 4.80	
800 3 3/4 " " " 5.80	24	" " " 3.60	
600 4 " " " 4.50	24	" " " 4.80	
320 5 " " " 4.51	12	" " " 4.80	
144 6 " " " 3.16	6	" " " 4.60	

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents,
57 BRY STREET, NEW YORK CITY

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.
SWANN'S POTTERY MFG CO.,
P. O. Box 78, Minneapolis, Minn.

Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.



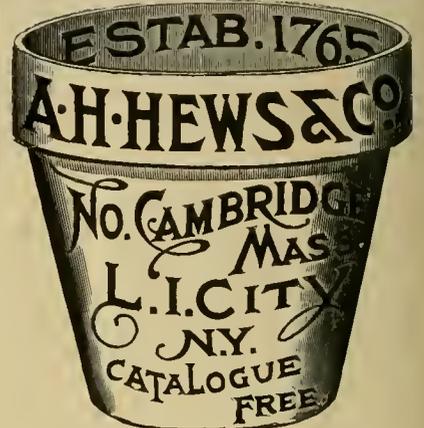
Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your salesman doesn't handle them,
order of us direct.
FACTORY AND OFFICE:
180-182 VEDDER ST., CHICAGO,
TELEPHONE NORTH 885.

The Jennings Improved Pans

FOR VAPORIZING TOBACCO WATER And TOBACCO EXTRACTS.

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.



WRITE

A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF

Standard Pots

which for strength and porosity combined are the best on the market.

KELLER BROS.,

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Please mention the American Florist when writing.



GEO. KELLER & SON, MANUFACTURERS OF Flower Pots.

Before buying write for prices.
361-363 Herndon Street near Wrightwood Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'FY,
HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.

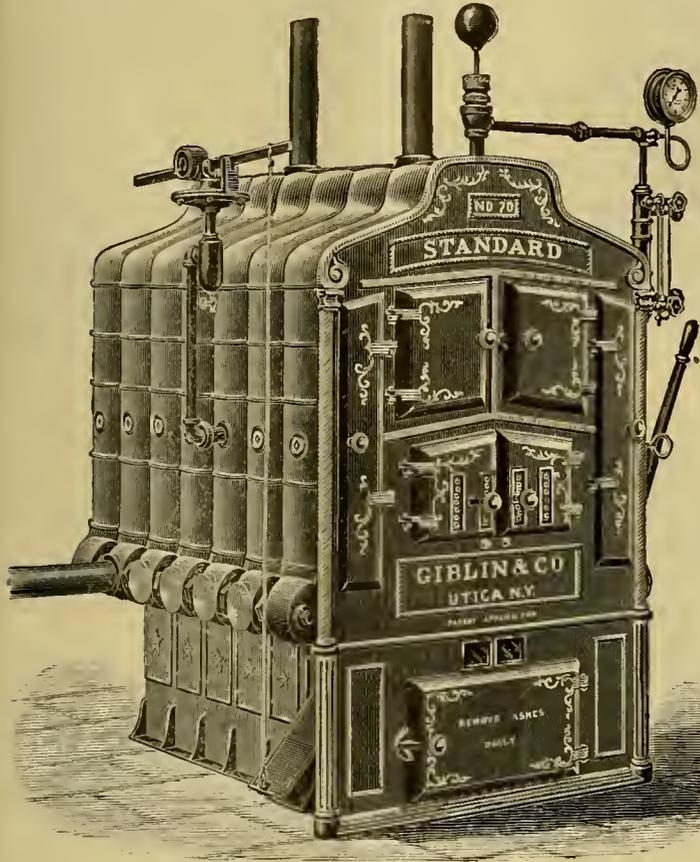
Red Standard Pots.

CORRECT SIZE. SUPERIOR QUALITY.

Write for price list.

G. HENNECKE CO., MILWAUKEE, WIS.

PEACE OF MIND



IN THE EVENING

is not generally included in the cost of the heating apparatus, yet every florist knows how valuable it is to him to have an apparatus that he can arrange

and know it will carry with a certainty the proper temperature until morning. This is

ONE OF THE FEATURES

of our boilers, as is fully

EXPLAINED BY THE

following letter:

W. D. SNELL, Newville, Herkimer Co., N. Y., Jan. 2d, 1901, says:
"I wish to express my thorough satisfaction with the No. 70 Standard Sectional steam boiler which I placed in my greenhouses early in December last year. I have three houses, 20x65, located side by side, with glass in roofs and gables. The houses are built of glass and wood, and contain in all about 5,000 square feet of glass surface. I have in use about 2,000 feet one-inch pipe, or about 700 square feet of radiation. I carry a temperature of about 50 degrees at night, but have had no difficulty in getting any higher temperature desired. I find that the boiler will run ten hours without attention. I attend to it about nine o'clock at night and it will run with no further attention until seven o'clock in the morning. The draft I have is not a good one, yet notwithstanding this objection, I have no difficulty in getting the fire up and getting as much steam as I desire.
"I can thoroughly recommend the boiler and will be glad to have you refer to me anyone that wants further information."

Send for our Greenhouse Catalog.

We can name price delivered at any railroad station in the United States, and special price is given where our boilers are not used.

GIBLIN & CO., UTICA, N. Y.

Mention this paper when writing.

What we Know

ABOUT GLASS.

SEND FOR THEM.

JOHN LUCAS & CO., PHILADELPHIA.

A FLIMSY BOILER

is a poor investment.

THE WEATHERED

will last a lifetime and you can depend upon it. ❁ ❁ ❁

Testimonials by the hundred on application to

Thos. W. Weathered's Sons,
46 Marion St., NEW YORK.

HOTBED SASH

In Pine, Louisiana Cypress and Red Cedar.



GREENHOUSE MATERIAL,

Cal. Red Cedar and Louisiana Cypress.

BEST GRADES, PERFECT WORKMANSHIP.

615-621
A. DIETSCH & CO. Sheffield Ave. CHICAGO, ILL.

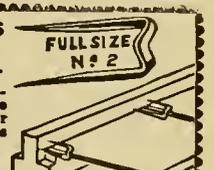


Greenhouses Built and Heated

ECONOMICALLY AND PERFECTLY BY
Henry W. Gibbons, 132 to 138 LIBERTY STREET,
NEW YORK.
EXPERT ADVICE AND PLANS FURNISHED. ESTIMATES FREE.

Please mention the American Florist when writing

HOTBED, GREENHOUSE, VENTILATOR SASH
GULF CYPRESS BARS,
GREENHOUSE MATERIAL,
Manufactured by **S. JACOBS & SONS,**
Flushing Ave., near Metropolitan Ave., Brooklyn, N. Y.
GLASS AT WHOLESALE. Catalogue and estimates furnished.
Please mention the American Florist when writing.

Holds Glass Firmly
See the Point  FULL SIZE No. 2
The Van Ruyper Perfect Glazing Points are the best. No rights or lefts. Box of 100 points 75 cents, postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

Standard

Before you buy any kind of machinery send for catalogue to

E. HIPPARD,

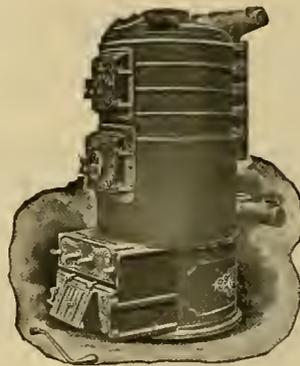
YOUNGSTOWN, O.



Please mention the American Florist when writing.

Index to Advertisers.

Advertising Bates.....	790	Kift Robert.....	814
Allen J K.....	795	Kohr A F.....	818
American Rose Co.....	792	Kroeschel Bros Co.....	IV
Amling E C.....	794	Kuehn C A.....	794
Banner J L & Co.....	792	Kuhl Geo A.....	
Barnard W W & Co.....	I		797 832 603 804 806
Bassett & Vaanbarn.....	793	Labo Jon.....	803
Bayer & Aldrich.....	801	Lacey & Hurrell.....	808 811
Bayerdorfer H & Co.....	814	Lakey W Rose Garden.....	811
Bentley & Co.....	793	Lang Julius.....	795
Berning H G.....	794	Langjahr A H.....	794
Bludekunst Die.....	816	Lehman Bros.....	816
Blano A & Co.....	812	Limprecht S J.....	795
Blue Hill Nursery.....	808	Lockland Lum Co.....	818
Bobblek & Atkins.....	812	Long D.....	II
Boston Letter Co.....	814	Lonsdale Edwin.....	805
Brant S D.....	813	Lord & Burnham Co.....	III IV
Brant & Noe.....	792		
Budlong J A.....	793 804	Lucas J & Co.....	819
Burnard H A.....	8 3	Lynn J A.....	814
Burpee W Atlee & Co.....	II	May Jno N.....	810
Caldwell the Woods- man Co.....	797	McCarthy & Co N P.....	794
Carmichael D.....	847	McKellar & Winterson.....	803
Carroby J D.....	817	Mader Paul.....	803
Chadwick Chas.....	806	Meyer John C & Co.....	814
Chicago Carnation Co.....	793 807	Michell Henry F.....	803
Chicago H.....	793 807	Milling Chas.....	793
Christensen Andrew.....	8 6	Miller Frank.....	795
Christiansen Andrew.....	8 6	Moller's Gartner Zei- tung.....	II
Clark Wm A & Son.....	813	Moninger J C Co.....	820
Coles W W.....	792	Moon Samuel C.....	798
Collins Thos.....	792	Moon Wm H Co.....	798
Conard & Jones Co.....	8 6	Moore, Hantz & Nash.....	795
Conley Foll Co.....	814	Morris Floral Co.....	805 816
Cottage Gardens.....	I	Moss Geo M.....	794
Crabb & Hunter.....	810	Myers & Co.....	820
Craig Robt & Son.....	810	Niessen Leo.....	791
Cunningham D O.....	816	N Y Cut Flower Ex.....	795
Glase Co.....	816	N Y Cut Flower Ex.....	795
Cunningham Joa H.....	801	Fennock Sam'l S.....	794
Dalilledouze Bros.....	804	Reisinger Geo.....	792
Davis Bros.....	806	Poehmann Adolph H.....	793
Deamud J B.....	792	Pollworth C C Co.....	792
Detroit Flor Pot Mfy.....	818	Pritchard J N.....	792
Dietrich A & Co.....	819	Purnell W Z.....	802
Dillon J L.....	797 805	Quaker City Mich Wks.....	816
Dorner Fred & Sons Co.....	805	Ragan H L.....	811
Dreer H A.....	801 809 819	Rainier Geo.....	793
Dunlop John H.....	792	Rasmussen A.....	811
Dunne & Co.....	814	Rawlings E I.....	797
Eastern Chemical Co.....	814	Raynor J I.....	795
Eichholz Henry.....	813	Reed Glase & Paint Co.....	816
Ellis Frank M.....	794	Reed & Keller.....	814
Ernest W H.....	813	Regan Printing House.....	II
Farquhar R & J & Co.....	811	Reinberg Geo.....	793 804
Feltnausen J E.....	812	Reinberg Peter.....	793 8 4
Ferguson John E.....	792	Retzer Walter & Co.....	809
Fineley Lawn Rake Co.....	807	Rice M & Co.....	814
Fisher Peter.....	807	Rodgers Alex.....	II
Floral Exchange.....	808	Roemer Fred.....	II
Florida Nat Prod Co.....	814	Roland Thomas.....	819
Ford Bros.....	795	Rohrer A & Son.....	793
Fort Dodge G'n Co.....	805	Rupp John F.....	808
Foster Lucia H.....	812	Rustic Mfg & Con Co.....	816
Gardening Co The.....	II	Saltford Geo.....	793
Gardners Chronicle.....	II	Salzer Jno A Seed Co.....	802
Garland Geo M.....	820	Sander & Co.....	817
Galler Sigmund.....	814	Schaefer Adam.....	IV
Ghormley Wm.....	795	Schmidt J.....	801
Gibbons H W.....	819	Scollay John A.....	IV
Giblin & Co.....	819	Scott Robt & Son.....	806
Grave E T.....	805	Shady Hill Nursery.....	802
Guardian Asylum.....	803	Shaw F E.....	8 7
Gullett & Sons W d.....	8 6	Sh-lroad Greenh's.....	813
Gunther Wm H.....	795	Shaw W C.....	795
Gurney Heater Co.....	8 0	Shlebrecht S Co.....	I
Guttman Alex J.....	795	Sim Wm.....	810
Hagenburger.....	812	Situations & Wants.....	791
Hall Asa H.....	814	Skaboura Dip Co.....	813
Hancock Geo & Son.....	812	Smith Nath & Son.....	811
Harrer Geo.....	8 5	Smith W L.....	811
Hart M A.....	795	Smith W & T Co.....	I
Hasselach Jacques.....	II	Smits Jac.....	811
Hesscock Joseph.....	812	Soltau C.....	802
Helsa J B.....	813	South side Floral Co.....	8 8
Heller & Co.....	813	Stani Chas B.....	794
Hennecke C Co.....	818	Stearns Lumber Co.....	IV
Hersenden Mfg Co.....	IV	Stoothoff H A & Co.....	II
Herr Albert M.....	803 809	Storrs & Harrison Co.....	I
Herrmann A.....	814	Storrs & Harrison Co.....	798 8 0
Hewa A H & Co.....	818	Stover Floral Co.....	809
Hill G & Bros.....	818	Studer N.....	8 6
Hill The W W Co.....	793	Sutherland Geo A.....	794
Hill H H.....	819	Suzuki & Iida.....	II
Hilobings & Co.....	815 IV	Swaan Pottery Mfg Co.....	815
Holton & Dunkel G.....	792 814	Swaan W.....	814
Hooker H M Co.....	820	Thorburn J M & Co.....	795
Horan Edw C.....	795	Tobacco Warehouse and Trading Co.....	813
Hort Adv.....	816	Traudly & Schenck.....	795
House Connection Co.....	816	Vaughan's Seed S or.....	I
Huwland Nursery Co.....	8 8		795 797 805 808 812
Humfeld C.....	8 9	Vesey W J & a S.....	815
Hunt E H.....	794	Vick's Sons Jas.....	II
Ingram & Lynde.....	818	Vincent R Jr & For.....	813
Irvan Apparage Co.....	818	Vredenburg & Co.....	II
Jackson & Perkins Co.....	802 812 I	Waterbury & Co.....	794
Jacobs S & Sons.....	819	Watson G C.....	800 801 II
Jennings E B.....	802	Weathered.....	817
Jennings Bros.....	818	Thoa W.....	816 818 819 IV
Johner & Bros.....	795	Weber H & Co.....	809
Jones Hiram T.....	8 2	Weeber & Don.....	II
Kasting W.....	794	Welland & Risch.....	793 807
Keller Broa.....	8 8	Welch Bros.....	794
Keller Geo & Son.....	818	Willidn Pot Co.....	818
Kellogg Geo M.....	792	Wilson Bros.....	802
Kelsey Estlin F.....	801	Wilks S Mfg Co.....	817
Kennott Bros.....	793	Wittbold The Geo Co.....	799
Kentucky Tob ProCo.....	814	Wood Bros.....	813
Kerran Co The.....	801	Woodroffe & Bern- helmer.....	794



GURNEY "400 SERIES" HOT WATER HEATER.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse.

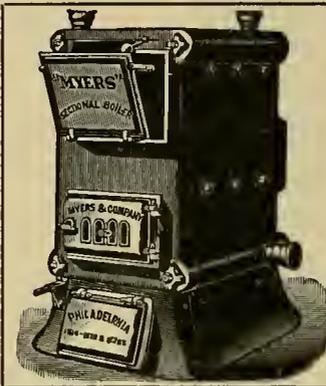
RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



Exclusively A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

H.M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

WRITE FOR CATALOGUE.

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO.

111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

GARLAND'S IRON GUTTER

No Ice. No Breakage of Glass.



This Gutter will save money in cost of construction.

GEO. M. GARLAND, DES PLAINES, ILL.

PLEASANT HILL, Mo.—George M. Kellogg reports holiday demand good but says that he was in no position to profit by it, his houses being all in very light crop.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI. CHICAGO AND NEW YORK, JANUARY 19, 1901. No. 659.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.
PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.
Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—PATRICK O'MARA, New York, N. Y., president; Wm. F. KASTING, Buffalo, N. Y., vice-president; Wm. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March 19, 20 and 21, 1901. LEONARD BARBON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERB, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

The advance and progress of horticulture in the past century.....	821
Warren Ewell (portrait).....	822
Horticulture at the Pan-American Exposition.....	822
Philadelphia Farmers' Institute.....	822
A handsome table decoration (illus.).....	823
Carnations—Treatment for young plants.....	823
—Carnation Elma.....	824
Wrecked greenhouses of E. Schwerin (illus.).....	824
Queen of Edgely rose in England.....	824
Asparagus decumbens (illus.).....	824
American Carnation Society.....	824
New York.....	826
Philadelphia.....	826
Chicago.....	827
St. Louis.....	828
Boston.....	828
San Francisco.....	829
Pittsburg.....	829
Montreal.....	829
Tribulations of the retail florists.....	830
Ward heirs go to law.....	830
The price of glass.....	830
Obituary.....	831
The seed trade.....	836
—Unfair competition.....	836
Galveston, Texas.....	836
The nursery trade.....	838
Cincinnati.....	838
Springfield, Mass.....	838
Our pastimes.....	840
Toronto.....	840
Chestnut Hill, Pa.....	840
Madison, N. J.....	844
Albany, N. Y.....	846
Washington.....	848
Columbus, O.....	848
Baltimore.....	850

The Advance and Progress of Horticulture in the Past Century.

[Read by John H. Dunlop before the Toronto Gardeners' and Florists' Association January 15, 1901.]

The subject assigned me is one of such vast scope and magnitude that in a brief paper such as this it would be impossible to treat the topic in anything like a complete or comprehensive manner. I will try and go over the ground in a sort of superficial way, just touching on the most important developments and advancements in floriculture during the last quarter of a century. In the first place the gardener or florist of that time had a great deal to contend with. He was seriously handicapped; the appliances, buildings, stock and in fact all of his working materials were not such that he could attain the best results.

What an advantage the young man starting out in the floricultural world of to-day has over his less fortunate brother of twenty-five years ago. He has modern buildings of the three-quarter slope to the south type, the short span to the south, the open system where any number of houses are connected in one with the advantage of every foot of space being utilized. Instead of the 7x9 glass we have the 16x24 and larger; instead of flues, we have steam or hot water. What a close calculation it would require to furnish a modern house of say four, six or eight hundred feet in length with one or more brick flues. What an endless amount of work it would mean to try and keep all parts evenly heated. I am afraid we would have to resort to the primitive method of running up a stove here and there to even up a cold spot, with a light of glass knocked out and a stove pipe projecting through the roof as an ornament. His houses may be ventilated by modern ventilating machinery either by hand or automatically instead of the cumbersome devices of twenty-five years ago, too numerous to mention.

What constituted a florist's stock of that time? A miscellaneous stock of plants, for propagating from, with a comparatively small assortment of each variety, all of which have undergone wonderful improvement. In cut flower plants his roses consisted of such varieties as Lamarque, Gloire de Dijon, Marechal Niel, Safrano, Isabella Sprunt, Bon Silene and Niphetos. The list of forcing roses to-day is not very extensive, but we have such varieties as the American Beauty, Bridesmaid, Bride, Liberty,

Meteor, Perle, Sunset, Lady Dorothea, Madam Hoste, Madam Cusin, Mrs. Pierpont Morgan, etc., all of which are grown to great perfection and in immense quantities. What chance would a florist of twenty-five years ago have to fill an order such as is given at the present time for one, two or three hundred blooms of any one of these varieties? If he was able to get that number of all varieties together he would be doing well.

Among carnations the number of varieties twenty-five years ago was exceedingly limited, Degraw, Edwardsii, Crimson King and La Purite being the principal ones and about the extent of the list. What wonderful improvement we have seen in this grand flower. Why, I can remember less than fourteen years ago where a small house of Crimson King in good crop in this city was more than sufficient to supply the demand for that color. Look at the enormous area of glass that is now devoted to this flower alone. It is simply marvelous, and to the florist of a quarter of a century ago would be beyond conception. At that time any house was considered good enough to grow carnations, but by making a closer study of the flower, its requirements and the gradual improvement which has been going on, we to-day want our lightest, best and most improved houses for its perfect development. To-day we have firms devoting themselves exclusively to its growth and development. What would our brothers of twenty-five years ago think of paying \$30,000 for the stock of a new carnation, and within a few days we hear of one specialist receiving over \$5,000 for a new variety. Coming to the development of this flower within very recent times, we thought some twelve or fifteen years ago Mrs. Carnegie was a grand flower. How would it compare with such varieties as Olympia or Mrs. Bradt to-day? How would Degraw compare with White Cloud, Glacier, Evelina, Flora Hill, or La Purite with Mrs. Lawson, Marquis, Melba or Triumph? Then we have such varieties as Gomez, Maceo, Crane, Prosperity, Roosevelt, Queen Louise, Crocker, Genevieve Lord, America, Joost, Jubilee, Scott and a host that are new and supposed to be better than any that have preceded them.

We have had in the chrysanthemum some wonderful developments. Although probably not so marked as with the carnation, yet there has been a marked change in the size and beauty of the flowers. I will not undertake to enumer-

ate the varieties of twenty-five years ago or those of to-day—they are too numerous—but I will just say that our own city has been honored by the production of one of the finest varieties exhibited this year. I refer to the Timothy Eaton, which variety carried off the honors wherever exhibited. As to violets, I doubt if there has been any great change, except that the florist of a quarter of a century ago had a much easier task than he of to-day. I doubt if the number of diseases and enemies was as extensive as to-day. It would seem that each succeeding year makes it harder to grow this flower. I will admit that the amount of glass devoted to it is enormous compared with the quantity at that time. Marie Louise was in cultivation then and a small single. We have to-day Farquhar, Lady Campbell, Imperial, California and Princess of Wales.

I have taken up more of your time than I had intended at the outset, as I know there are others who are better qualified to discuss this subject than I am, and I hope some good may be derived from this retrospect. However, I just want to add a word in connection with our association. I am anxious that it should be more liberally patronized by the craft in this city, and I, personally speaking, feel that if all would join hands and try to make the association what it should be—a place for social intercourse, interchange of ideas, and to discuss matters pertaining to our trade or profession—that all would feel benefited with having met together, and I hope all will have a chance to make any suggestion likely to be of interest in the association.

Warren Ewell.

It is a well-deserved honor that the Gardeners' and Florists' Club of Boston have bestowed upon their popular fellow-member, Warren Ewell, in making him their president for the opening year of the new century. Big, not only in body, but in every trait that goes to make a man beloved, Warren Ewell will draw to the support of the organization an enthusiastic following. Those who know him only for his merry companionship and the irresistibly comical "Ewellocution" with which he is wont to convulse his audiences in his occasional "speeches" in company, know but half of Warren Ewell. Those men who are merriest in the holiday hours are often found to be hard and patient laborers in their calling, when the holiday is past. Not only is this true in his case, but to those who have been privileged to know him intimately he is the embodiment of sterling honesty, trusty friendship, and big-hearted liberality. The club will prosper under his leadership.

Horticulture at the Pan-American Exhibition.

Winter has arrested almost all work in the horticultural department. All shrubs, roses, herbaceous plants and bulbs have been amply protected. The lily ponds were allowed to form four or five inches of ice, which they quickly did during the cold spell in December. They were then covered with six inches of leaves, and on that were spread hemlock boughs. The protection given to everything in the horticultural department, as well as that of the department of works, insures the best results in the spring. The horticultural building is complete, and decorating the interior will soon begin. This is the most handsome of all the magnificent buildings on the grounds.

The conservatories are also complete and steam heating is being installed, and by the early part of February the conservatories will be ready for occupancy.

Two very large heated sheds have been erected with ample light and heat for the wintering of many large plants destined for the adornment of the grounds. In the greenhouse a great amount of propagating is going on, and hundreds of thousands of bedding plants will be needed, for in no space where flowers or color can enhance the beauty of the ground will they be omitted. Horticulture is perhaps considered a small part of this wonderful exposition, at least perhaps by those who take a special



WARREN EWELL.

interest in electricity, ethnology, manufactures, etc., yet to all visitors the beauty and adornment of the grounds must appeal greatly and add to their enjoyment of the whole.

The electric tower has reached its full height and the woodwork and staff covering is nearing completion. It stands now 375 feet high, and there is yet a noble statue to crown its summit. I would not pretend to tell you how much electricity will gleam from this great structure, but I do know that there are 300,000 incandescent electric lights on the buildings and grounds, exclusive of the electric tower. The buildings are all rooted in and the interiors are fast nearing completion. The machinery building, the first large one erected, is ready to receive exhibits. The electric current from Niagara Falls was turned on a few nights ago and those who had the good fortune to see this magnificent building illuminated could form some idea of what the whole scene will be when completed.

The midway features are quite distinct from horticulture, yet all members of the profession, from the professor down, do like to be amused, and in good, clean, novel and striking features this midway will eclipse all that has every gone before. The picturesque and costly structures erected by concessionaires constitute a city in themselves. While mud has been more a hindrance to work than frost, the winter has so far been most favorable. Work on the buildings has gone right along, and ground work and road making has continued with little interruption. WILLIAM SCOTT.

Philadelphia Farmers' Institute.

The annual Farmers' Institute under the auspices of the Department of Agriculture of the State of Pennsylvania was held in Horticultural Hall, Philadelphia, January 15 and was well attended both during the afternoon and evening sessions.

The address of welcome was delivered by Robert Craig who gave a brief review of the objects of the meeting and told the benefits to the horticultural and agricultural interests of the state that are being derived from this propaganda which is being so ably conducted under state authority.

An attractive programme of essays and addresses on timely subjects was gone through and although several of the numbers had to be omitted on account of the epidemic of grip there was enough left to fill up the three hours allotted to each session.

"Care of Plants in the Home" was the subject allotted to Edwin Lonsdale and he handled this in his usual able and amiable manner, having a good assortment of growing and blooming plants on the stage with him. His exposition of the subject was greatly aided from time to time by reference to the living specimens.

The introduction of "Nature Study into our Public Schools" was advocated by Professor Clinton, of Cornell University, and occasioned considerable discussion. While many thought it would be a good thing as a recreation to the pupil during school hours, others thought, and did not hesitate to say that the children first and foremost went to school to learn to read, write and cipher and that until they had learned these fundamentals thoroughly it was ridiculous to add on a lot of ornamentals. One outspoken member even went so far as to assert that he had been employing boys and young men in his business for the past sixteen years and not one of them was able to spell correctly even common words.

James Boyd, of Haverford, handled the subject "The Best Twelve Herbaceous Plants for the Amateur" in an able and entertaining manner and as he is one of the keenest of amateur cultivators himself in the line of herbaceous plants, his experience is worth something and a copy of his essay will be procured for publication.

"The Care and Management of Poultry" by J. D. Nevius was made an occasion for quite an eulogium on "the little American hen" and reached such a pitch of enthusiasm toward the end that one gentleman arose to his feet and shouted "Good! here is to the great American hen, may her lay always be heard in the land and may her son never set!" During the discussion following this lecture the question whether there was more money in raising mushrooms than poultry was warmly debated. J. J. Styer, of Concordville, told what could be done with mushrooms which, he said, if a good crop, were very profitable. The only trouble was you were not always sure of getting a good crop. He had been growing mushrooms for nine years and his first year's crop was the best he ever had. He did not know any more about them now than he did then.

The other subjects discussed were mostly agricultural and not of great interest to florists generally. The most notable exception to this was the illustrated lecture in the evening by Wm. E. Meehan, of Philadelphia, a son of the well known Prof. Thomas Meehan of Germantown. Mr. Meehan is an enthus-



A HANDSOME TABLE DECORATION, BY HUGH GRAHAM, JR., OF PHILADELPHIA.

ist on the subject of fish culture and showed where anyone with a running stream or pond could make a good profit by cultivating trout or other fish, besides furnishing a delectable article of food for their own tables. This was one of the most entertaining and instructive lectures of the day and certainly was a revelation to many of those present. It opened up a new field of thought and will no doubt bear good fruit in the future.

Two of the speakers on agriculture stated that more and more attention was being devoted every year to the study of soils. Much has yet to be learned on this difficult subject and every farmer or gardener should devote great attention to it. Mr. Dettrich laid great stress on increasing the humus in the soil and Professor Clinton added that Mr. Dettrich's claim was correct and all important, and exhibited charts showing what an enormous effect humus had by acting on the soil as a sponge for the retention of moisture.

GEORGE C. WATSON.

A Handsome Table Decoration.

The accompanying illustration gives a view of one of the handsomest and most effective table decorations I have seen these many moons. As will be noticed the center is of Bridesmaid roses surrounded by white azalea flowers, radiating to the different points, the outer edges being of pink roses, lily of the valley and orchids. The favors are made of pink roses, cypripediums and lily of the valley, tied with pink ribbons. From

the ceiling over the center is suspended a half globe of pink carnations, joined to the same being festoons of *Asparagus plumosus* and pink carnations which radiate to all corners of the room. The rest of the room is handsomely decorated and banked with foliage and flowering plants, the whole making a very charming picture and reflecting great credit on the artist, Hugh Graham, Jr. The occasion was a luncheon given by Mrs. Roberts at Hotel Flanders, Philadelphia, January 9. G. C. W.

CARNATIONS.

TREATMENT FOR YOUNG PLANTS.

Some of the novelties and many of the standard sorts are changing hands about this time, and care for the young plants becomes part of carnation culture. The method of potting, boxing or planting them into benches is largely a matter of individual choice, and not of so much moment as to have the method one selects properly and carefully followed.

Potting is the method I always advocate and practice. In the first place a good rose pot two inches in diameter at the top and three or three and one-half inches deep supplies the young plant with sufficient root space for healthy growth, say from January 15 to April 15. This puts your plants two by two on the bench and does not occupy much more space than would have to be given them if boxed or planted on the bench. In the second place, each plant is by itself, and if, as often happens, a bit of fungus has

been brought with it from the cutting bench, that fungus does not spread through a whole box or plot of ground, but is confined to the individual plant affected. In the third place, the plants can be handled into the field almost regardless of the weather without any perceptible check, and this cannot always be done with transplanted stock.

The main points to be watched in pot culture are that the plants be not allowed to become really dry at any time and that they do not become badly pot-bound. If there is any danger from the latter evil it will pay to repot them, but this work can easily be avoided by a little attention to the character of the different varieties, for a variety which is noted as an exceptionally strong grower can be propagated so as to be ready for potting about February 15, the weaker growers a month or more earlier.

The only drawback to growing the young plants in pots is the extra expense. The cost of pots is quite an item, and to this must be added the labor required for potting, and then the extra labor required in handling them when planting out, but in most cases the advantages will more than counterbalance these extra costs.

Temperature has considerable to do with the future of the young plants and unless the cuttings have been grown very cool it is best not to put the freshly potted plants into a very cool house. Where it is practicable they should be given a temperature only a few degrees cooler than that in which the cuttings have been grown and then be gradually brought down to 40° or even lower just

before the time for planting them out. This will give good healthy plants that will not be seriously hurt if they are caught by a light frost after being planted out. On the other hand great care should be used not to put a plant that has been rooted, say in a temperature of 45°, into a house that runs 50° to 60°, as this treatment will weaken the constitution of the strongest carnation.

Shading should always be given for a few days after potting, especially if the cuttings have been rooted in a north side house or heavily shaded, as a strong bright sun would wilt such cuttings no matter how heavily they have been watered, and to allow the plants to wilt at any stage of their life as about as bad a thing as can happen to them. After they have started nicely give them all the sun possible, sunlight and air being very important factors in their lives.

Topping should not be begun until it is necessary and should not be neglected thereafter. There is danger of topping novelties too soon, as the desire to double upon the stock is a great temptation. The careful grower will not allow his cupidity to get the better of his common sense and will not top a novelty any quicker than he would the common sorts, knowing that it is the height of folly to spoil one good plant for the sake of having two poor ones.

If planting into boxes or benches is the method preferred for handling the rooted cuttings they should be given practically the same treatment as if in pots and a careful watch kept for any signs of stem rot or fungus. It is best not to use too rich soil for either boxes or pots and, while never allowing it to actually dry out, care must be used not to have it constantly wet. ALBERT M. HERR.

CARNATION ELMA—A CORRECTION.

ED. AM. FLORIST:—I would like to make a correction to the Indianapolis notes in your issue of January 12. Your correspondent says the carnation Elma was

succeeded Mr. Niemeyer and is this spring offering it to the trade in conjunction with the E. G. Hill Co., the western agent. The mistake was perhaps caused by the fact that we have at our place considerable stock of the variety, Mr. Niemeyer having made us a present of several plants the first season it was propagated.

A. F. J. BAUR, of Baur & Smith.

The Queen of Edgely in England.

Perhaps the most pleasing gift that came to the Queen on Christmas among the myriad tokens of love from all parts of the world was the box of magnificent Queen of Edgely roses from Philadelphia. The roses were a feature of the decorations at Osborne, and they are still bright and fresh, though more than a week has passed since the Lucania brought them to Liverpool, as was then related by the *Express*.

It took no less than two years to produce the twelve magnificent roses presented to the Queen on the last Christmas of the century. Two years ago, when the British Horticultural Society held an exhibition of roses in Buckingham Palace, her Majesty graciously asked Mr. David Fuerstenberg, a veteran rose grower of Philadelphia, what he, as an American thought of the English roses. He replied that they were very pretty, but that everyone grew better roses in the States. He pointed out that the roses were small and the stems short, whereas in America great roses were grown with yard-long stems.

Her Majesty expressed a preference for fragrance and delicate loveliness, rather than for size and length of stem, but said that she would like to see the gorgeous American roses. The American on his return home, began experimenting in order to produce the finest roses ever grown, and also to discover a method of preservation certain for at least twelve days. After twenty-four months he accomplished both ends, and sent the

flowers arrived in perfect condition. The ends of the stems were placed in long glass vials filled with water, and capped by rubber fitted closely around the stem. The opening buds were then wrapped in waxed paper to exclude the air, and then the roses, stem and all, were buried, each by itself, in soft moss dampened and packed in cracked ice. The box of roses was then sealed in a strong box and placed in the Lucania's cold storage room. When the box was opened it was found that the buds had burst into full bloom, and were entrancingly fragrant and beautiful. They were consigned to the Secretary for Foreign Affairs, who saw that they were safely delivered to her Majesty. Thus it was that the loveliest and largest roses in the world came to the Queen on Christmas.—*London Daily Express*.

[The escort of the Queen of Edgely to England was our well known friend Alfred Dimmock, as already announced. —Ed]

Asparagus Decumbens.

In the accompanying illustration there is shown a plant of *Asparagus decumbens* in a hanging pan, grown by Leopold Koropp, of Chicago. The bluish green, pendent stems attain to about three feet in length and are well furnished with small, light green leaves which give the plant a pleasing feathery appearance. Numerous minute white flowers, which possess the fragrance of lily of the valley and red stamens, add to its attractiveness. The small tuberous roots resemble those of a dahlia in miniature and are dormant in summer, the growing season extending from October to May. The stems are very durable and well adapted for decorative purposes when cut. *A. decumbens* is most desirable for hanging baskets or pans but can also be used for trellises and should be grown in an airy house with moderate temperature and shade, using rich, porous soil and plenty of water. It is easily propagated by means of seeds, which are now to be had at a reasonable price.

American Carnation Society.

The tenth annual meeting of the society will be held in Lehmann's Hall, Howard street, Baltimore, Maryland, February 21 and 22, 1901. The exhibition will be held in the same hall with space 71x53 to fill—room for a good big show, which all the members should contribute their share toward making. The hall will be lighted by electricity, and the gas turned off at the street to avoid all danger from that source. Attention is called to the opportunity these shows afford the introducers of new varieties, in bringing them before a goodly number of buyers. Tables are provided for the display of varieties not intended for competition. Exhibits can be addressed to American Carnation Society, Lehmann's Hall, Baltimore, Md., and must be prepaid. Postal card notice will be sent with changes or additions to this list if any are made.

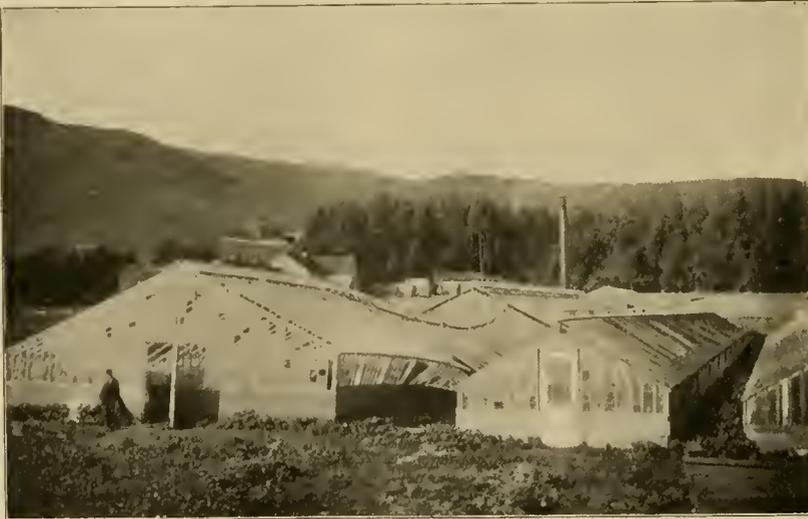
The following is the programme of essays and discussions:

Prof. Albert F. Woods, of the U. S. Department of Agriculture, will give a paper illustrated with lantern slide views, on Thursday evening. His subject: "The Carnation in Health and Disease."

Peter Fisher, Ellis, Mass., will give a paper on "Hybridizing of the Carnation."

There will be discussions on stem rot, sub-watering and other subjects of interest to the carnation grower.

The question box is always open to



WRECKED GREENHOUSES OF E. SCHWERIN.

(See San Francisco Letter, Page 829.)

originated by Baur & Smith, of Indianapolis, which is a mistake. The carnation Elma was one of a batch of seedlings I raised while I was foreman for H. A. Niemeyer, of Erie, Pa. S. A. Baur bought the stock of it along with the rest of the stock of other plants when he

dozen promised roses in charge of a famous London florist and orchid collector on the Lucania. The roses are superb, being eight inches in diameter and having stems one yard long. The large blooms are shaped like the American Beauty, but are a bright pink color. The precious

inquiring members, and all questions that are forwarded to the secretary, at least two weeks before the meeting, will be assigned to some one competent to answer them.

The following rules and regulations will govern the exhibition:

First. All entries must be forwarded so as to reach the secretary, Albert M. Herr, Lancaster, Pa., not later than Saturday, February 16. A charge of \$1 for each entry will be made for those not entered as above requested.

Second. All entries not staged by 1 p. m., February 21, will be disqualified from any and all competition excepting for certificate of merit.

Third. All intending exhibitors of carnations who are not members of the society must pay an entrance fee of \$2 and, if competing for any of the prizes, medals or certificates, they must become a member of the society, which costs \$2 per year.

Fourth. All exhibits must have the varieties correctly labeled if named sorts, or numbered if seedlings, otherwise they will not be eligible to competition in any class.

Fifth. Exhibitors who are competing should leave their names and addresses with the exhibition manager so that he can prepare a card giving the same, and placing it with their exhibit as soon as the awards are made. Parties exhibiting not for competition are also requested to observe this rule.

Sixth. The same vase is not allowed to compete for more than one prize.

Parties wishing to exhibit plants or flowers other than carnations are requested to write to N. F. Flitton, Clifton Park, Baltimore, Md., as early in February as possible for space and information.

The following are the regulations governing the competition for seedlings for the certificate of merit.

First. The variety must have been bloomed not less than three years.

Second. Not less than fifty blooms must be shown.

Third. Exhibitors entering for the certificate are required to pay an entrance fee of \$5 for each variety so entered. Those varieties entered in the class for preliminary certificates at Buffalo, will be entitled to compete for the certificate upon the payment of \$3 for each variety entered.

Two-year old seedlings can compete for a preliminary certificate by exhibiting twelve blooms and the payment of \$2 for each variety so entered, this payment entitling them to compete for the certificate at our next exhibition upon the payment of \$3 for each variety from this class.

SCALE OF POINTS.

The scale to be used for judging all carnations at this exhibition is as follows:

Color.....	25
Size.....	20
Calyx.....	5
Stem.....	20
Substance.....	10
Form.....	15
Fragrance.....	5

Total.....100

To secure a certificate or preliminary certificate a carnation must score eighty-five or more points. In the general classes a score of eighty-five or more will be required to award a carnation first premium. This is made a rule so as to bring and keep our shows up to the highest possible standard.



ASPARAGUS DECUMBENS.

Class A. is regardless of variety and uses Scott as the dividing line between light and dark pink. A light pink must be as light as Scott or lighter, and a dark pink must be darker than Scott. This division of color applies to all of the classes. In Class B. introductions of 1900 are not to be entered, they coming under the next class, or Class C.

CLASS A.	1st	2d
100 blooms white.....	\$12 00	\$6 00
100 blooms light pink.....	12 00	6 00
100 blooms dark pink.....	12 00	6 00
100 blooms scarlet.....	12 00	6 00
100 blooms crimson.....	12 00	6 00
100 blooms yellow variegated.....	12 00	6 00
100 blooms white variegated.....	12 00	6 00
100 blooms any other color.....	12 00	6 00

CLASS B.	1 t	2 1
50 blooms white.....	\$6 00	\$3 00
50 blooms light pink.....	6 00	3 00
50 blooms dark pink.....	6 00	3 00
50 blooms scarlet.....	6 00	3 00
50 blooms crimson.....	6 00	3 00
50 blooms yellow variegated.....	6 00	3 00
50 blooms white variegated.....	6 00	3 00
50 blooms any other color.....	6 00	3 00

CLASS C.	1st	2d
25 blooms white.....	\$3 00	\$1 50
25 blooms light pink.....	3 00	1 50
25 blooms dark pink.....	3 00	1 50
25 blooms scarlet.....	3 00	1 50
25 blooms crimson.....	3 00	1 50
25 blooms yellow variegated.....	3 00	1 50
25 blooms white variegated.....	3 00	1 50
25 blooms any other color.....	3 00	1 50

SPECIAL PREMIUMS.

H. Weber & Son, Oakland, Md., offer \$10 for the best 100 blooms; \$5 for the best fifty blooms; \$3 for the best twenty-

five blooms and \$2 for the best twelve blooms of Genevieve Lord.

Robert Craig & Son, E. G. Hill & Co. and Albert M. Herr offer jointly \$15 for the best 100 blooms; \$7.50 for the best fifty blooms; \$5 for the best twenty-five blooms, and \$2.50 for the best twelve blooms of Ethel Crocker.

In the above competition no one grower can compete for more than one prize of each variety.

The Cottage Gardens, Queens, N. Y., offers a silver cup of the value of \$25, open to all, for the best variegated seedling carnation, with white ground, which has not yet been distributed, judging to be according to the rules of this society.

In competing for this premium each vase contesting shall consist of exactly twenty-four perfect blooms, six buds showing color, and six buds half open. By a perfect flower shall be meant one that has not a bursted calyx, has a stiff stem at least fifteen inches long, and otherwise reasonably perfect in form. No premium shall be awarded to a variety that possesses a weak neck, that is, one that does not hold the flower reasonably erect. No premium to be awarded to a seedling of the commercial class which shall be inferior to the best variety of its class now in commerce, and no premium to be awarded to a seedling, the flower of which shall be less than two inches in diameter.

Peter Fisher, Ellis, Mass., offers a silver cup valued at \$25 for the best vase of Mrs. Thos. W. Lawson carnation containing fifty blooms.

Mrs. Bertram Lippincott, through John Kuhn, Philadelphia, Pa., offers a silver cup valued at \$35 for the best vase of Mrs. Bertram Lippincott carnation containing fifty blooms.

E. H. Michel, St. Louis, Mo., offers a fine silver cup to the individual or firm making the largest and finest display at this show. This cup is well worth winning, and it is to be hoped that some one grower or firm will make a display worthy of it.

The American Carnation Society offers a fine silver cup for the best arrangement of carnation blooms, with their own or other foliage, no other flowers to be used in the arrangement.

A gold Lawson medal valued at \$60 will be awarded for the best vase of 100 blooms, any variety or any color.

A silver Lawson medal will be awarded for the best vase of twenty-five blooms of a seedling carnation undisseeded.

A bronze Lawson medal will be awarded for the best twelve blooms of any seedling carnation undisseeded.

New York.

STORY OF THE MONTHLY MEETING OF THE CLUB.—PRESIDENT SHERIDAN GRASPS THE GAVEL.—INAUGURAL ADDRESS REPLETE WITH WISE SUGGESTIONS.—BIG AUTUMN EXHIBITION TO BE THE EVENT OF THE YEAR.—EVERY MEMBER URGED TO DO HIS PART.—CARNATION MEETING IN FEBRUARY.—STATE OF TRADE.—VARIOUS ITEMS OF INTEREST.

The opening meeting of the New York Florists' Club for the year was full of interest but rather poorly attended. The retiring president handed over the gavel to his successor, Walter F. Sheridan, with some pleasant remarks in a reminiscent and hopeful strain, and the latter then proceeded to read his inaugural address. After expressing thanks for the honor of his election and paying a neat compliment to the industry and devotion of Ex-president O'Mara during his administration, Mr. Sheridan said: "The most important event of the year is the show to be given by the club at the Madison Square Garden next October. While the details will be worked out by the committees, success can only be won by the earnest efforts of every individual member, who must feel that he is a valuable factor of the whole. By putting our shoulders to the wheel the result cannot be in doubt. A successful show this year means its establishment as an annual event, and will assure a brilliant future for the New York Florists' Club. Any plan which has for its object the strengthening of our membership deserves your support, and I therefore recommend the appointment of a committee, the members of which would work in the district in which they reside, distributing literature, studying the aims and purposes of the club, and invite those interested to join it. Social enjoyment is also a feature to be encouraged, and it has occurred to the members of the club that we ought to arrange to give a summer outing for members and their families some time during July or August."

Mr. Sheridan further urged that greater encouragement be given to the feature of an exhibition of novelties and specialties at the monthly meetings, and the modification of the rules if necessary to that end. He also recommended a change in

the method of nominating and electing officers, and suggested a more general use of the question box at the meetings, closing with the following pertinent remarks which will, doubtless, find an echo in every florists' organization in the country: "I should like also to see more of our members get upon their feet in the club room. Many a subject of vital importance is thrashed out at our 'after meetings,' to the benefit of but a select few, when, were the same enthusiasm displayed in our club room, our meetings would be made far more serviceable than now. I need only remind you that the best orators in our florists' societies today have gained their experience on the floor of the club rooms, where they have learned to become self-confident and to express themselves in the most intelligent and lucid manner."

Reports of secretary, treasurer and various standing committees were then presented. A substantial gain in treasury balance over last year was indicated and also a very large accession to the membership roll, which shows 205 members in good standing to-day. Mr. Withers reported progress on the work of preparing the schedule and rules for the October exhibition, which is to comprise a premium list of nearly \$5,000. An appreciative letter was received from William Plumb, acknowledging receipt of engrossed resolutions. It was voted that the next meeting of the club, on the second Monday in February, be devoted especially to carnations and that carnation growers be invited to bring exhibits on that occasion. Committees, regular and special, for the coming year were appointed, including several to consider the various recommendations in the president's address. The president then introduced Richard Vincent, of White Marsh, Md., who was a visitor. Mr. Vincent remarked that he was not an entire stranger as he had started to learn his business years ago at Astoria, N. Y., and facetiously added that he still finds it necessary to come occasionally to New York to learn the art of making money. The hand shake of New York at the convention of 1900 will never be forgotten. Alluding to his business of cabbage raising he made a humorous reference to W. R. Smith's alleged ostracism of the vegetable growers from the ranks of the "ornamental horticulturists" and drew an amusing comparison with the "weeds" which he had noticed growing in rank profusion around the Capitol at Washington, from which he suggested that many of the seeds sent out by the Agricultural Department might have been gathered. Concluding, he invited all to come to Baltimore during the carnation meeting in February. An enthusiastic vote of thanks was given Mr. Vincent. On the exhibition table were vases of sweet peas, Zvolanek's Christmas, Miss Florence E. Denzer and No. 6, exhibited by A. C. Zvolanek. They were superb, with branches two and one-half feet long and fine flowers, and were awarded honorable mention by the judges.

Business has been excellent for the past few days. Owing to this fact and the shortening up of crops, considerable difficulty has been experienced in getting a sufficient supply of roses. All varieties are in short supply but the stringency is most noticeable in the case of Bridesmaids of good quality. Carnations are having a similar experience but in lesser degree. On the other hand, violets are over-abundant and all bulbous stock is being received in quantities greater than the demand. Cattleyas are not so scarce

as during the past month and are seen now in most of the florists' windows. Among the novel things occasionally displayed are flowering branches of Japan quince, forsythia and other forced shrub bloom.

Charles Plumb has resigned his position on the Huntington estate and left for Southampton, England, on January 16. On his return he will take charge of the L. C. Weir place.

Charles Loechner, the genial representative of Suzuki & Iida, slipped and fell on the ice last Saturday, spraining his ankle severely.

Samuel Henshaw has resigned his position as head gardener at the New York Botanical Gardens, but is retained as consulting landscape gardener.

Many of the florists, wholesale and retail, are ill with the prevailing distemper. James Carroll, of Thorley's, has been very sick for two weeks.

E. C. Horan handles the fine sweet peas grown by A. C. Zvolanek, blooms of which were exhibited at the club meeting.

Wm. Ghormley is receiving a box of White Swanley violets every day.

Philadelphia.

ROSES DECIDEDLY OFF CROP AND SUPPLY VERY SHORT.—NO HEAVY DEMANDS BUT SUPPLIES INADEQUATE.—INEFFECTUAL CALLS FROM NEW YORK.—ALL ABOUT THE PRICES.—QUEEN OF EDGELY REACHED VICTORIA SAFELY.—LONSDALE AND OTHERS AT GROWERS' INSTITUTE.—VARIOUS NOTES.

The feature of the past week has been the scarcity of stock. Such a clean up has not been seen before this season. It was a continual hustle for flowers the entire period, particularly for roses, which have seldom been so scarce. Brides and Bridesmaids had the call although anything in the entire list was quickly grabbed up as soon as it made its appearance. The New York market must have been clean sold out, as several messengers tried by personal visits to get flowers for orders among the wholesalers and growers here, but met with little success. Notwithstanding this demand there was not much advance in prices, as it was not so much an increase in business as a shortage in the volume of flowers coming in, everything in the rose line seeming to be off crop. Beauties are selling at from \$3 to \$8 per dozen; teas from \$6 to \$15 per hundred. Carnations range from \$1.50 to \$4 per hundred. Violets are the only flowers that seem equal to the demand; the best doubles bring \$1.50, singles 50 cents to \$1 per hundred. Francois Supoit's lilac is fine and selling lively at \$1.50 per bunch of twelve good double sprays. It makes a good substitute for roses now when they are so scarce. A few Easter lilies are coming in and 15 cents per flower is the price. There has been a great demand for 3-inch pot ferns the present season and \$6 to \$7 per hundred is the current price, with most of the stocks running low and the plants small.

There was a good attendance at the growers' institute in Horticultural Hall last Tuesday afternoon and evening. Robert Craig made the address of welcome and the feature of the sessions was the practical talk of Edwin Lonsdale on the care of plants in the house. Wm. E. Meehan gave a talk on fish culture, and Jacob Styer told all about mushroom rooms, saying that two and one-half pounds was the maximum crop per square foot. Mushroom culture is rap-

idly on the increase, many of the carnation growers of Chester county taking it up and utilizing the space beneath their tables, which otherwise goes to waste.

The Queen of Edgely roses sent to Queen Victoria have been heard from. They arrived in good condition and lasted, so the report says, for several days after reaching their destination. A letter of thanks has been received by the Floral Exchange Company from the Queen's secretary. This has been photographed and will be shown later. The demand for flowers of this rose is giving the company considerable trouble, as they are devoting their energies mainly to produce a large quantity of healthy plants to supply orders when delivery time comes.

Don't forget ladies' night at the club, next Wednesday, January 23. It promises to eclipse any previous occasion, pleasant as the former receptions have been.

John Gardiner is very ill with the grip. K.

Chicago.

CARNATION MEETING OF FLORISTS' CLUB.—STATE OF THE MARKET.—PRODUCTION DECREASES AND QUALITIES ARE ON THE DOWN GRADE.—BEAUTIES ARE THE WORST SUFFERERS.—CHICAGO MEN VISIT INDIANA GROWERS.—STORY OF THE TRIP AND ITS MANY PLEASURES.—CARNATIONS WERE IN QUEST.—MONINGER COMPANY BUILT NEARLY TEN MILES OF GREENHOUSES IN THE PAST YEAR—FIGURES WHICH ASTOUND.—VARIOUS NOTES OF LOCAL INTEREST.

The carnation exhibition of the Florists' Club, held in a large, well-lighted room in the wholesale district on Friday afternoon and evening, January 18, was a highly successful affair and afforded growers and others an excellent opportunity of comparing many of the new claimants of public favor with the best standard sorts. The room was tastefully decorated with greens for which, and for the neat arrangement of the exhibits, much credit is due E. F. Winter-son and Charles Balluff. The exhibitors and varieties each exhibited were as follows: Crabb & Hunter, Grand Rapids, Mich.; Irene; J. L. Dillon, Bloomshurg, Pa.; Queen Louise; H. Luedtke, of Maywood, light pink sport of Daybreak; Henry Smith, Grand Rapids, Mich., unnamed pink seedling; Fred. Dorner & Sons' Co., Lafayette, Ind., Morning Glory, Lorna; W. P. Harvey, Geneva, Ill.; Evanston, White Daybreak; Wm. Kreutz, of Rose Hill, Armazindy, Wm. Scott; Nathan Smith & Son, Adrian, Mich., Melba, White Cloud; R. Witterstaetter, Cincinnati, O., Enquirer, Elinora; John Hoeft, of Park Ridge, Flora Hill, Jubilee, Triumph; H. Weber & Sons, Oakland, Md., Egypt, Norway, Genevieve Lord; Bassett & Washburn, Mrs. T. W. Lawson, Maceo, Chicago, The Marquis; Chicago Carnation Co., Joliet, Ill., Mrs. Higinbotham, Mrs. Potter Palmer, No. 101 (white), No. 78 (variegated); Guardian Angel Orphan Asylum, Guardian Angel, Armazindy, Mrs. T. W. Lawson, White Cloud; Wietor Bros., Triumph, Flora Hill, America, The Marquis, G. H. Crane, The Sport; Peter Reinberg, G. H. Crane, Flora Hill, Genevieve Lord, Melba, Guardian Angel, The Marquis, White Cloud, America, Mrs. T. W. Lawson, Mrs. Frances Joost; Anton Then, White Cloud, Daybreak, Flora Hill, G. H. Crane, Triumph, Argyle, James Dean, Chicago, Mrs. Frances Joost, Mrs. Thomas W. Lawson;

Mrs. Bradt; M. Weiland, Melba, Daybreak, White Daybreak, Mrs. Bradt, Evanston, America, Genevieve Lord, Governor Griggs, Pink Armazindy, Chicago, Gomez, Estelle, Argyle, White Cloud, G. H. Crane, The Marquis. Among other exhibits were Golden Gate and Liberty roses from Peter Reinberg, the former variety exceedingly fine; Marie Louise, Lady Hume Campbell and Swanley White violets from Eli Cross, Grand Rapids, Mich. Several other exhibits were expected as we closed for press, among them Prosperity from Dailedouze Bros., Flatbush, N. Y., and Governor Roosevelt from C. W. Ward, Queens, N. Y. During the afternoon a party of local and visiting florists to the number of 105 visited the establishment of the Chicago Carnation Co., at Joliet, Ill. The visitors included E. R. Gesler, Galesburg, Ill.; Fred. J. King and daughter, Ottawa, Ill.; Thos. Archer, St. Joseph, Mich.; G. Swenson, Elmhurst, Ill.; Frank Calvert, Lake Forest; Mrs. Eickholt, Galveston, Tex.; George, Frank and W. S. Garland, Des Plaines; Mrs. E. T. Grave, Richmond, Ind.; John Hoeft, Park Ridge; Chas. Klehm, Arlington Heights; J. F. Klimmer, Oak Park; Nicholas P. Miller, Wilmette; Ernest Marland and M. Weiland, Evanston; Andrew Peterson, Paxton, Ill.; Fred. Stielow and Chas. Schweigert, Niles Center; B. O'Neil and Geo. Souster, Elgin; W. J. Vesey and wife, Fort Wayne, Ind.; S. A. Walcott, Batavia, Ill.; Nick Zweifel, Milwaukee, Wis.; J. S. Wilson, Western Springs, Ill.

In the latter days of last week production began to show the effect of the bleak weather which has prevailed for some time and the supply has been gradually decreasing for some days, until the middle of this week saw very little good stock in the market. There are still adequate supplies of indifferent material but the salable qualities are much under the demand. At the same time that supplies were shortening qualities were deteriorating all along the line and the demand for funeral flowers was on the increase. In the past ten days there has been such a run on funeral work that almost all lines of white stock have been used up at very good prices. Beauties more than anything else show the effect of the dark and cloudy weather. Where there were bountiful crops two or three weeks ago there are now very small cuts and the shape of the buds is bad and so is the color. At the same time the atmospheric conditions have a tendency to weaken carnations and they have not now the lasting qualities which they have had during the winter season. There are a great many violets on hand and prices have been very low, even for good stock. During the mild weather the fakirs have been the outlet for what would have been a disastrous accumulation, but, of course, the streetmen's price was very low. All bulbous stock seems to be very late this year although there are now enough *Harrisii* lilies coming in so that one who needs them can usually be supplied. *Callas* are a little more plentiful and some of the growers say they are vastly more profitable than *Harrisii*. Tulips are available in small quantities but are not very good as yet. Romans and Paper Whites are, like the poor, always with us, and just now they are so plentiful that the prices are very cheap.

Last week Thursday Anton Then, C. M. Dickinson, Frank Felke and Edgar Sanders started out for a tour of the Indiana carnation growers, going first to Dorners' at Lafayette, where they met Eugene Dailedouze, Wm. Nicholson and

Richard Witterstaetter. The Dorner establishment has culled its 6,000 seedlings of last year down to 1800, and among the lot there are a great many things of interest, but the particular center of attraction at Dorners' this year is Lorna, the new white of which a great deal is expected. From Lafayette the Chicago party went to Indianapolis, where John Bertermann was added to the delegation, although Mr. Witterstaetter left them there to return to Cincinnati. From Indianapolis the party went to Richmond, where E. G. Hill and Mrs. Grave were called upon. Interest centered in the latter establishment because of the wonderful carnations which are being turned out there, the principal sorts of merit being White Cloud and the new pink seedling Dorothy. Mrs. Grave is also growing a few violets and they have all the qualities which have made the reputation for her carnations. In the evenings spent at Richmond, the entire contingent indulged in a little exercise upon the alleys, the average score of the party being 57 pins to a game, these figures including the records of the natives, Messrs. Evans, Hill and Lemon. From Richmond the travelers went to Kokomo to see W. W. Coles' famous eight-year Kaiserins grown in solid beds. Thence they went to Peru to see F. B. Tinker and the white carnation with which he is making his town famous. Then they had a lantern-light view of J. A. Newby's place at Logansport, and returned home on Sunday after a very enjoyable outing.

The John C. Moninger Company has figured out that in the year 1900 they supplied material which would have erected a continuous greenhouse 49,760 feet long, or almost nine and one-half miles. This house would have had an area of 1,094,952 square feet of glass. Of this 915,464 feet was lapped and only 179,488 square feet butted. Of the total glass area sixty-five per cent was sixteen inches wide. The preference of the builders in the matter of ventilation was shown by the fact that 37,238 feet of the ventilating sash was made to open from the ridge and only 12,522 feet had the ventilating sash open from the header. The business of the Moninger Company in 1900 was an increase of something like one-half mile of greenhouses and 125,000 square feet of glass over the record of 1899.

Eugene Dailedouze and Wm. Nicholson visited many of the more important establishments in this vicinity during their brief stay last week. They expressed themselves as astonished at the immense ranges of glass which confronted them at Bassett & Washburn's, Vaughan's, Reinbergs', Wietors' and elsewhere; also at the excellence of the stock. Why, gentlemen, what do you think we visited New York for last summer, not to forget Boston and Philadelphia!

A few of the local growers are already planning to attend the Baltimore meeting of the American Carnation Society, James Hartshorne, Peter Reinberg and J. D. Thompson among the number. Mr. Reinberg will also attend the March exhibition of the American Rose Society.

At Hunt's this week they have removed the partition which formerly separated them from the Prince establishment and now have the entire width of the floor at 76 and 78 Wabash avenue. It makes a very great improvement and gives highly appreciated increase in facilities.

Some of the most tasteful funeral designs which have been turned out this week were made of Morning Glory car-

nations, and the general impression is, with those who grow it successfully, that there is no place remaining for Day-break.

A. Dietsch & Co. have the order for the cypress for the South Park Floral Company's range of ten new houses, an addition of 75,000 feet of glass, which will be given to Beauties next year.

On Sunday night thieves and stray dogs entered the premises of T. F. Keenan, at 6112 Wentworth avenue, and stole or destroyed Belgian hares to the value of \$850.

A. Lange, on Monroe street, and John Blanck, out on Forty-third street, have made white chrysanthemums a feature of their window decorations this week.

O. P. Bassett has been in New York and Philadelphia this week and took occasion to inspect all the novelties offered in the east this season.

The big growers around Summerdale and Rogers Park are firm believers in the Garland iron gutters and they intend to have more of them.

C. W. Ernie, who spent the summer with the M. A. Hunt Floral Company, at Terre Haute, Ind., is now with W. J. Smyth.

Mrs. C. L. Washburn, who has had a very serious time of it this winter, has shown a slight improvement during the week.

Miss Florence Jenks, niece of Flint Kennicott, was married to Claude McKenzie, of Minnesota, on Tuesday of this week.

That cheese was all right Nicholson, but, confound it, once a day was quite enough. We know it.

F. W. Taylor, of the Pan-American Exposition, passed through Chicago last Saturday going west.

Wietor Bros. and George Reinberg will rebuild many of their old houses the coming summer.

Vaughan's Seed Store unloaded a refrigerator car of tuberoses this week.

St. Louis.

JANUARY MEETING OF THE CLUB AND THE ANNUAL EXHIBITION OF CARNATIONS.—MANY FINE EXHIBITS FROM GROWERS AT A DISTANCE—CERTIFICATES AWARDED SOME OF THE NOVELTIES, SPECIAL MENTION GIVEN TO OTHERS.—HALSTEAD READS A PAPER TELLING OF COMMERCIAL VARIETIES.—ESSAYS FOR ROSE SHOW MEETING.—OTHER DOINGS.

The annual carnation show was held January 10, at the monthly meeting of the St. Louis Florists' Club, and the exhibition was one of the best for several years, as a number of outsiders sent in some very good blooms of the latest novelties. Among the prominent exhibitors were the Chicago Carnation Co., Joliet, Ill.; H. Weber & Sons, Oakland, Md.; Chris. Besold, Mineola, N. Y.; W. J. & M. S. Vesey, Fort Wayne, Ind.; J. L. Dillon, Bloomsburg, Pa.; Fred. Dorner & Sons Co., Lafayette, Ind., besides several local growers.

The Chicago Carnation Company exhibited blooms of Mrs. Higinbotham, a very pretty pink, the flowers of good substance, with strong stems; Chicot, a white with very light penciling of pink; Mrs. John J. Shedd, a very good red with a strong stem; No. 78, variegated, a strong grower and good producer. These have not yet been offered to the trade. They also exhibited the four varieties which they are introducing this season, Bon Homme Richard, Prolifica, Sunbeam and Nydia, all of which were excellent flowers which are offered as having certain points of merit which older varie-

ties do not possess. They also showed a beautiful vase of sixty blooms of the famous Mrs. Lawson, which attracted considerable attention.

W. J. & M. S. Vesey had a vase of blooms of Mrs. Lawson which were very well grown. They brought G. H. Crane that called forth some very complimentary remarks, as did White Cloud, Mrs. Bradt and Glacier, the latter being especially good, as they were large and had good stems. Ethel Crocker was very much admired as the color was of the best, with stems from eighteen to twenty-four inches long.

J. L. Dillon showed his new white, Queen Louise, which was very much admired by all present, and C. Besold had Admiral Cervera and Goethe. The former is a variegated of peculiar color, yellow with considerable pink in it. Goethe is a fancy pink and was very fine, quite an improvement on Morning Glory.

H. Weber & Sons sent several vases of good blooms, among them Egypt, a rich scarlet crimson, strongly scented flower on a strong stem. Their vase of Norway was admired by all for its clearness of color, size of bloom and strength of stem. F. Dorner & Sons Co. sent several nice vases, including Lorna, the new white which is thought quite an improvement on White Cloud, and a vase of Morning Glory which were very good. There was also a fine vase of Irene, Crabb & Hunter's new pink.

Some of the home exhibitors were John Stiedel, Fred. Ammann, E. Emmons, Frank Fillmore and J. W. Dunford, Jr., and the prizes were awarded as named. John Stiedel exhibited some very fine double violets and Rudolph J. Mohr had a vase of the Zvolanek's Christmas sweet pea.

The meeting of the club was called to order by Ex-president Ammann with twenty-nine members and several visitors present. The judges appointed to pass upon exhibits from outside growers were F. J. Fillmore, Dr. A. S. Halstead and J. W. Dunford. James Hartshorne, Max Herzog and Frank M. Ellis were selected as judges of home grown stock.

The judges awarded certificates to Norway, Morning Glory, Mrs. Higinbotham and Bon Homme Richard and special mention was made of Irene, Sunbeam, Glacier, Mrs. Bradt, Ethel Crocker, White Cloud and G. H. Crane. Egypt was determined to be an improvement on Maceo, the fragrance being particularly noticeable; Goethe, a fancy Day-break pink, an improvement on Morning Glory; Lorna, an improvement on White Cloud; Chicot, a good white; Nydia, good bloom well grown; Mrs. Lawson best ever seen in the city; Mrs. John J. Shedd extra good red. Prolifica, very well grown. Stiedel's violets were especially mentioned.

Dr. A. S. Halstead read a very interesting paper on new carnations from a commercial standpoint. He mentioned most of the late novelties and the older ones that are grown in this vicinity. He says that he thinks Marquis can be grown profitably but has not yet had much success with it. He thinks that Genevieve Lord will in time displace Daybreak. Lizzie McGowan is still an old favorite of his and he will always grow it. Flora Hill, he thinks, is only good to propagate rust and bacteria and to combat these two enemies of the carnation he uses a solution of arsenic and carbolic acid diluted in water. Chicago does not do very well with him but Bradt, on the other hand, does very well. Gold Nug-

get, he says, is the best yellow for this part of the country. Wm. Scott, Ethel Crocker, Mrs. Lawson, Mrs. Joost, G. H. Crane and America are some of the others that he mentioned. Olympia is not good with him.

Fred. Ammann followed Dr. Halstead with an essay on Perle roses. Fred. Weber will read his essay, "Cut Flowers for Retailers' Use," at the next meeting in conjunction with H. G. Berning, who will tell what he knows about "The Best Methods of Wholesaling Cut Flowers." At the same meeting J. J. Beneke will give us what he thinks are "The Best Methods to be Adopted to Elevate Our Business."

Mr. Hartshorne was asked to speak on carnations and told of the Mrs. Thomas Lawson, describing it as he first saw it and how they had it protected from the direct rays of the sun in mid-day by drawing muslin under the glass, but he says that he uses only a thin mud wash. It was decided to give our annual rose show at the next meeting, Thursday, February 14, and three prizes will be offered, \$5, \$3 and \$2 for the best vases of fifty blooms, American Beauty and American Belle excepted and open to home growers only. Outside growers are asked to send novelties for exhibition.

The Missouri Botanical Garden Improvement Club held its monthly meeting on Monday evening and the attendance was very good. Several excellent papers were read. One by George McClure on the history of the chrysanthemum was enjoyed very much. Alfred Ulrich read a very interesting paper on bulbs and will in time take up each class separately. R. J. M.

Boston.

CUT FLOWER MARKET SHOWS LITTLE CHANGE FROM LAST REPORT.—NOTABLE EXHIBITS AT HORTICULTURAL HALL.—NOTES.

The general tone of the cut flower market is about as reported last week, carnations and violets being still on the downward road, and roses holding their own fairly well with a very moderate cut on the leading varieties. Carnations are coming in heavily and the quality is, as a rule, superb, but the quantity, especially in the reds, is too great to make a bold front practicable, so values have made another drop. All bulbous material is on the increase and shows improvement in grade throughout.

Three notable cypripediums were shown at Horticultural Hall on Saturday, January 12. C. G. Roebling (H. T. Clink-aberry, gardener), sent C. × adrastus, Trenton var. and was given a certificate of merit. C. Chapmanii (Curtisii × belatulum) from Oakes Ames (R. M. Grey, gardener), received honorable mention. Honorable mention was also awarded to C. × H. Graves, Jr., from J. E. Rothwell (J. Mutch, gardener). Robert Cameron, gardener at the Harvard Botanic Garden, was awarded a certificate of merit for Euphorbia pulcherrima var. plenissima.

J. Woodward Manning delivered an illustrated lecture on ornamental tree and shrub planting at Horticultural Hall, on Saturday, January 12. Many stereopticon views of noted New England estates were shown. Mr. Manning has few equals in his profession.

The name of that portion of the Boston public parks hitherto known as Leverett Park and Jamaica Park has been changed to Olmsted Park in honor of Frederick Law Olmsted.

San Francisco.

BIGGEST CHRISTMAS EVER KNOWN ON THE PACIFIC COAST.—EVERY ONE HAD HEAVY TRADE.—BUSINESS QUIET SINCE THE NEW YEAR CAME.—GROWERS REPLENISHING STOCK.—HEAVY LOSS THROUGH WIND AND RAIN.

San Francisco has outdone itself with this winter's Christmas trade, fifty per cent being the average increase over last year's sales. Good roses and carnations were sold out everywhere and could not be had at any price. Palms of all varieties were in demand and sold well. Adiantums, Boston ferns and poinsettias were to be seen in every store and brought good prices. On account of the weather having been cloudy preceding Christmas the Bridesmaids were considerably off color, looking very much like Mermets. A good many of the growers had been at their old tricks again, holding stock back for a week or more, but these have been given a lesson that they will not soon forget, as this stock was refused in some cases and in others was not paid for and was consequently a dead loss. Immense quantities of green and berries made up in wreaths and bunches have been sold. Of course all the flower stores were looking their very best, the show windows decorated with the cream of everything. Especially was this so with Alex. Mann, the Polk street florist, the largest store of the kind in the western addition. Fourteen employes, all counted, were looking after Mr. Mann's interests. He says the day before Christmas was worth \$1,000 cash to him. Pelicano & Co., Podesta & Co., Sievers & Boland, Mr. Stevenson and the Shannahan Floral Co., all report the busiest and best Christmas they ever experienced.

Business since New Year's has been rather quiet, in fact the quietest for years past at this time, giving the growers a chance to recuperate their stock from the over-forcing it received during the holidays. Roses are of considerably better quality than before, especially Beauties and Bridesmaids, showing a deeper color, larger size and good stiff stems. The same may be said of carnations, which, since the dark weather is gone, are stiffening up again and the bluish tint in the pink varieties has disappeared. Violets are not overplentiful, but there are enough to fill all demands. Hyacinths are almost gone and in their place freesias are coming in, which find a ready sale.

San Francisco and vicinity has passed through the most severe rainstorm on record for this season, considerable damage being done to the growers. Among the heaviest losers is Edw. Schwerin, of the Visitation Valley Nursery, half of a new house 30x200 feet being blown down, ruining a beautiful crop of carnations. About seventy-five boxes of large glass, 16x24, were broken. He is now busily engaged in repairing. At Mrs. Pyatt's nursery one house 20x200 is level with the ground, but as nothing of value was underneath the roof, the loss amounts to the glass and lumber. Besides this some sheds and a windmill were capsized. Other heavy losers are Grallert & Co., of Colma, who lost their new windmill and pumps, which by falling smashed a barn and some outhouses. The damage on glass amounts to about seven or eight boxes. Mr. Pottet also lost fifty boxes of glass and Ferrari Brothers about twenty-five boxes. At Fick & Faber's a smokestack was blown down and some ventilators torn off their hinges, the loss on glass being about ten boxes.

Jack Young, of Dwightway Nursery, is bringing in some fine Beauties and Bridesmaids. He has changed almost all his houses from benches to solid beds and judging from the way his stock looks at the present time he has made no mistake.

Pelicano and Chiapari are receiving some wonderfully fine Bridesmaids from Mr. Nickolsen, of Alameda, and Mr. Simons, of the same place.

Sievers & Co. are sending in their usual fine carnations; nothing in sight to heat them. GOLDEN GATE.

Pittsburg.

BUSINESS CONTINUES BRISK AND THE SUPPLY OF STOCK IS INADEQUATE TO MEET DEMANDS.—CLUB NOMINATES OFFICERS.

The trade in Pittsburg, Allegheny and surrounding towns for the past few days has been very good. The falling off in business which usually comes after the holiday season did not last long and was not noticed to any great extent. Cut flowers have been very scarce of late in this vicinity, due to the dark weather and the steady demand for them. Carnations are good but roses are lacking in quality. There are no Beauties to amount to anything. Bulbous flowers are coming in instead but there have not been enough of them as yet to supply the demand. Lilies are still scarce. Plant decorations have been quite numerous and Randolph & McClements and A. W. Smith have been having some very large work in this line.

The Pittsburg and Allegheny Florists' and Gardeners' Club met January 10 at the rooms of the Pittsburg Cut Flower Company about fifteen of the sixty-seven members attending. The nomination of officers for the coming term was the business of the meeting. The following is a list of those who were nominated: President, William Falconer, superintendent of Schenley Park; vice-president, E. C. Rineman, of Allegheny; secretary, E. C. Ludwig, of Allegheny; treasurer, F. Burki, of Bellevue, and John Bader, of Allegheny. The florists should take a greater interest in their club. It would be of benefit to them individually and of great benefit to them as a whole throughout the country.

Perhaps it will be well to mention for the benefit of his friends that William Clarke, treasurer of the Pittsburg Cut Flower Co., has gone into politics in the little town of Sheraden where he has lived for a number of years. We can only wish him success. WOODWARD.

Montreal.

MEETING OF THE CLUB.—STATE OF BUSINESS.—WHOLESALE PRICES RISING.—VARIOUS NOTES.

The meeting of the Montreal Gardeners' and Florists' Club, on January 14 was quite well attended and two new members were elected, Fred. Frappier and Samuel Ward. The membership is increasing steadily. After the routine business was over, a number of questions of interest were discussed before the club. At the close of the meeting, Mr. Whitting read a paper, how to plant a garden, advocating groups rather than the systematic and regular lines of planting.

The trade is quiet for the season and the raising of the prices by the wholesalers is far from improving retail business. Roses and carnations are fairly good and in fair demand. Violets are fine but lily of the valley and Paper White narcissi are scarce; Romans are more

plentiful. Mignonette is not wanted, not even as a green.

John Doyle was in the city during the holidays, but has now returned to Cacouna.

Antho Simmers, of Toronto, is in town. W. Hall is building a new house.

G. V.

Catalogues and Cut Flower Price Lists Received.

J. M. Thorburn, New York, N. Y., trade seed list; Harlan P. Kelsey, Boston, Mass., hardy American plants and flowers, seeds and roots; Plant Seed Company, St. Louis, Mo., seeds; Wm. Elliott & Sons, New York, N. Y., seeds; R. & J. Farquhar & Co., Boston, Mass., seeds, plants, fertilizers, etc.; Reed & Keller, New York, N. Y., insecticides, wire designs, etc.; Charles Sharpe & Co., Ltd., Sleaford, Eng., seeds; J. L. Dillon, Bloomsburg, Pa., carnation cuttings; White Enamel Refrigerator Company, St. Paul, Minn., refrigerators; Benj. Hammond, Fishkill-on-Hudson, N. Y., paints, glass, slug shot, etc.; Frank Vestal, Baring Cross, Ark., trees and tree sprayer; McGregor Brothers Co., Springfield, O., wholesale price list of plants; Johannes Rafn, Copenhagen, Denmark, seeds, trees and shrubs; C. C. Pollworth Co., Milwaukee, Wis., cut flowers; Kennicott Bros. Company, Chicago, Ill., cut flowers; Holton & Hunkel Co., Milwaukee, Wis., cut flowers and florists' supplies; E. C. Amling, Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., seeds, bulbs, cut flowers, florists' supplies.

GREENFIELD, O.—Charles H. Pommert, who recently sold his greenhouses, has gone to Oklahoma City, Okla., where he will engage in business.

EVANSVILLE, IND.—William Currier has been convicted of the larceny of some pipe during a controversy over payment for the reconstruction of his heating apparatus.

IOLA, KAN.—W. H. Humfeld, of Humfeld Bros., has been here from Kansas City, looking over the ground with a view to starting a branch establishment. They may determine to build a range of glass here.

FAYETTE, IA.—A few days ago William Goodyear placed a new heater in operation in his greenhouse, and that night it set fire to the establishment, causing the loss in a few moments of the proceeds of three years' labor.

LINCOLN, NEB.—The past week has been cold, but we have had several bright days which have helped to keep up the quality of stock. Trade is up to the average for January, with plenty of everything except carnations. Of these there is a big cut coming in but still more could be sold. In plants there are some fine azaleas, cyclamens, Chinese primroses, and plenty of decorative plants with a steady demand, but no rush.

C. H. F.

CLEVELAND, O.—A swindler has been victimizing the florists here by means of forged checks. His plan is the usual one of making a purchase to be delivered, and offering a check of a larger amount in payment. This man gave his name as John Clayton and was well-dressed, about 25 years of age, weighing 160 pounds, light mustache and hair, and wearing a black suit, brown overcoat and black stiff hat. His checks are signed "W. A. Collier."

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent, 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines *only*
Orders for less than one-half inch space not accepted

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

E. G. HILL has been confined to the
house with an attack of the grip this
week.

LUCIEN LINDEN announces that he pro-
poses to suspend the publication of *La
Semaine Horticole* for one year.

If you are a friend to the editor or
wish him to be a friend to you do not
write on both sides of the paper.

SOME eastern folk who visited Cincin-
nati recently had some fun with the origi-
nator of Adonis, but wait—at Baltimore
he'll play pool with them.

AMONG carnation growers complaint
appears to be pretty general regarding
the extent to which G. H. Crane is afflicted
with stem rot this season.

COLEUS THYRSOIDES is a new departure
among coleus by being a desirable flower-
ing plant. It more resembles a salvia
than a coleus, producing long spikes of
quite showy blue flowers.

E. MOLYNEUX's select list of chrysan-
themums contains only the following
American varieties so far as we have
noted: Modesto, Mutual Friend, Georgi-
ana Pitcher, C. B. Whitnall and Mrs. W.
C. Egan.

THE red Wichuraiana rose obtained by
Barbier Brothers at Orleans, France, is
causing much comment abroad. The
rose is the result of a cross of Crimson
Rambler on Wichuraiana and strongly
resembles the latter in every way except
the color, which is a soft red. It will be
sent out this year and should be a desir-
able acquisition.

Some French Spelling.

ED. AM. FLORIST:—The meaning of the
French name, "Gros Hsoif," to which
you allude under the above caption in
your issue of January 5, page 758, is
"great horticultural thirst." Perhaps
some other French scholar can give you
the signification of "Voris Neaga."

F. L. ATKINS.

Who Sent Those Tropæolums.

ED. AM. FLORIST:—Some time ago a
parcel was received by us through the
mails containing ten cuttings labelled
"Double Tropæolums." As there was
nothing to show from whom it came, and
hoping that the sender may be a reader
of the AMERICAN FLORIST, we take this
means of acknowledging its receipt and
asking the party to correspond with us.

P. MCKENNA & SON.

Cote des Neiges, Montreal.

Greenhouse Building.

Naugatuck, Conn.—A. N. Squire, one
house.

Keene, N. H.—Carpenter & Greene, one
house.

New Castle, Ind.—South Park Floral
Co., ten houses 26x265.

Denver, Col.—Scott J. Anthony, four
houses 20x80.

Montreal, Can.—W. Hall, one house.

Waverly, Ill.—Mrs. C. Richardson,
three houses 24x80.

Dallas, Tex.—Otto Fehrlin, range of
houses.

Lebanon, Ind.—Paul Tauer, three
houses.

American Carnation Society.

Peter Fisher, Ellis, Mass., registers the
following new carnations:

Governor Wolcott, color pure white,
blooms of fine form, averaging three
inches and over in diameter, borne on
stems two to three feet in length; plant
very free and healthy, of wiry growth
and ideal habit.

Eastern Star, color pure white, flowers
deeply fringed, of perfect form, with high
center, full but do not burst, average size
of bloom two and one-half to three
inches, borne on stiff wiry stem; plant
resembles McGowan in growth, is of
splendid habit and very productive.

ALBERT M. HERR, Sec'y.

Tribulations of the Retail Florists.

ED. AM. FLORIST:—I firmly agree with
Mr. Kreitling regarding what he says of
wholesale cut flower dealers, about sup-
plying consumers, and it should also
extend to shipments outside of cities. I
can call to mind one instance when a
leading society lady offered her services
to a was-to-be bride, to furnish the wed-
ding flowers and decorations at a much
cheaper price than the regular retail
florists, which she did, and I now under-
stand she obtained from a Chicago whole-
sale house about \$100 worth of flowers
and smilax for the occasion, cheating the
regular florist out of at least \$50. A lit-
tle later the same lady wanted flowers
for a funeral and obtained them from the
same source, and goes farther and tells
her friends she can obtain her flowers
much cheaper, in fact, at less than half
the price of the regular florist. The
wholesalers should get together and
remedy this in some way. They are
surely killing the goose that lays the
golden egg.

J. D. IMLAY.

Ward Heirs go to Law.

It is said that David Ward, of Pontiac'
Mich., father of the manager of the Cot-
tage Gardens, never had a lawsuit, but
his heirs have become involved in one of
considerable magnitude. When Mr.
Ward died he left an estate estimated as
worth \$12,000,000, the heirs to which
are the widow, six children and fourteen
grandchildren. The executors of the
estate are Geo. H. Root, Will C. Ward
and Franklin B. Ward. They are given
six years in which to close up the estate,
and pay over the proceeds to the various
legatees. The executors now propose to
build a railroad upon land in West Vir-
ginia which belongs to the estate, to
extend a similar railroad to Charlevoix,
Mich., and to invest \$250,000 in a saw-
mill at Menominee, Mich. To this, some
of the heirs, notably C. W. Ward, of
Queens, Long Island, make strenuous
objection. Mr. Ward recently began pro-

ceedings before Judge George W. Smith,
at Pontiac, Mich., to restrain the execu-
tors from making these contemplated
investments, and the court on January
12 granted a temporary injunction. Mr.
Ward claims that the proposed action of
those in charge of the estate would result
in a decided loss to the estate, falling
eventually upon the residuary legatees.

The Price of Glass.

On Thursday, January 17, every jobber
of window glass was notified of the new
scale of discounts which has been agreed
upon by the two organizations which
now practically control the manufac-
ture of glass in this country. The new
scale effects an advance of virtually
twenty per cent all along the line. Of
course this advance does not restore
prices to the altitude to which they had
attained prior to the trust's great cut a
year or more ago, it would take practi-
cally a fifty per cent advance to do that,
but it means an increased cost of about
1½ cents per square foot on all green-
houses built this season, for little glass
has been sold thus far. The glass indus-
try is fast being ground down to a fine
point of organization, even the jobbers
in the west now having a strong agree-
ment with penalties inflicted for price
cutting. It is an open secret that the
American manufacturers have their little
hatchets out for the Belgians who are
cutting into the window glass trade at
the seaboard, but the Belgian blowers
have been on strike this season and the
industry there is not in a flourishing con-
dition or aggressive position. The
chances are against any lower prices this
season for greenhouse sizes and there is
even a possibility of a further advance.

Society of American Florists.

GREETING TO OFFICERS AND MEMBERS:
—The society of which you are honored
members fittingly closed the nineteenth
century with the grandest and most com-
prehensive exhibition and convention, in
New York, last August, ever held in this
country, an exhibition which in the
opinion of many competent judges was
equal to, if it did not actually surpass,
anything ever shown in any country.
We enter the twentieth century stronger
as a society than ever before in our
history. We have accomplished much,
but there is much yet to be achieved. A
national charter is one of the objects
aimed at; closer relations between the
parent society and special trade societies
is desired; the development of our natural
resources for the production of much
which we now import is essential; the
collection and dissemination of facts
which bear on a higher development of
our products is necessary; a more active
aid from national and state experiment
stations is needed. These and many
other valuable advantages may be
secured, but united, active support of
officers and committees is necessary. A
large increase in membership was
obtained the past year, but there are
hundreds, yes, thousands, outside the
fold who should be in, and can be brought
in by earnest individual effort. Solicit
your friends and neighbors to join the
society; impress upon them the advan-
tages of co-operation. The society has
obtained cheaper postage, cheaper
expressage, cheaper freight; has obtained
valuable legislation. It has created a
trade press which disseminates valuable
information and provides a medium

whereby they can buy and sell at an advantage unknown before its establishment. They cannot afford to stand by, idle; they may lose, we all may lose, some of the advantages gained unless we present a solid and gradually extending front. With a growth in membership our powers will increase, our influence widen.

Don't forget your state vice-presidents; send them reports of what is being done in horticulture in your neighborhood. If your state legislature is considering measures bearing on your business get your state vice-president to take the matter up and then support him in his efforts. If existing state laws can be amended for your benefit do likewise. Send suggestions for the improvement of the society to the secretary, who will bring them before the executive committee in due season. Take a lively interest in the society's affairs at all times; it will pay you to do so. Become life members; in this prosperous year celebrate the opening of the new century on a firmer basis. Last but not least, prepare to attend the convention in Buffalo next August. The horticultural department of the Pan-American Exposition will surpass anything of the kind ever seen. Show by your presence that you appreciate the effort.

Wishing you all a happy and prosperous New Year and soliciting your hearty co-operation, we remain for success,

Fraternally yours,
 PATRICK O'MARA, President.
 WM. J. STEWART, Secretary.

OBITUARY.

DEAN DAVIS.

Dean Davis, a lifelong resident of Fall River, Mass., died on January 5, aged 60 years. He was a man who enjoyed the esteem of a wide circle of friends. For many years he had conducted a small but successful florist's business.

PATRICK CAREY.

The end of a long illness came on January 15 to Patrick Carey, of Nashua, N. H., a well known landscape gardener. Mr. Carey was born in Ireland 69 years ago, and came to America in 1855. He had lived in Nashua forty-five years, following his profession.

WORCESTER, MASS.—B. P. Ware, of Cinton, vice-president of the Massachusetts Horticultural Society has been the guest of President O. B. Hadwen and on January 10 addressed the Worcester County Horticultural Society on "The Observations and Impressions of a Journey in Europe."

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to THE AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By young all-around man. 7 years' experience, can give good references. WISCONSIN, care American Florist.

SITUATION WANTED—By competent stude all-around florist and gardener. Permanent place required. Address W K, care Am. Florist

SITUATION WANTED—By florist 25 years; practical experience, d grower of fine roses, carnations, mums, violets. References. Address H. FOREMAN, care Postoffice, Canton, Ohio.

SITUATION WANTED—As florist or rose grower. Good references as to ability, etc German, married. Only steady position wanted Address N. C. care W. J. Stewart, 67 Bromfield St., Boston.

SITUATION WANTED—About March 1, by grower with long experience among first-class roses. Write for particulars. Address A. P. care Chas. K. Scallion, 1474 Broadway, New York.

SITUATION WANTED—As foreman, private or commercial, by an experienced florist, German; married; up to date, experience 25 years, last position 8 years. FLORIST, 2007 Fillmore St., Chicago.

SITUATION WANTED—By German, single, age 33; all-around florist, landscape gardener, nurseryman and first-class propagator. N. SCHMITZ-PAHN, care I. Tellmann, 503 Wells-st. et. Chicago, Ill.

SITUATION WANTED—By practical grower of roses, carnations, violets and general stock. Have life experience in the florist business German; age 33; first-class reference. Will be ready February 1. D. C. care American Florist.

SITUATION WANTED—As foreman by a successful grower of roses, carnations, etc., decorative and bedding plants; 20 years' experience. German; married. Please state wages. Address A. F. care American Florist.

SITUATION WANTED—By young florist in commercial place, five years' experience in cut flowers and miscellan goods, speaks English and German. state wages, etc. Address R A G, care American Florist

SITUATION WANTED—By first-class grower of roses, carnations, violets, mums and general bedding stock with 18 years experience as working foreman. Age 32; single. Address FLORIST, 172 E-st Van Buren street, Chicago.

SITUATION WANTED—By experienced cut flower and plant grower; 15 years' experience in growing roses, Beauties and teas, carnations, mums, violets, bu bs, general stock, palms and ferns, high grade stock. Capable of taking charge. Address L. G. BARBER, St Joseph, Mo.

SITUATION WANTED—By a thoroughly practical gardener and florist, 24 years' experience with palms, ferns, roses, carnations, mums, violets and bedding plants. Competent to take charge, private or commercial. German, married; age 38; best references. GARDENER, 93 Vine St., New Britain Conn.

WANTED—Carnation grower, must be well recommended. Write full particulars to OHIO, care American Florist.

WANTED—Two good rose growers to take charge of sections. Steady positions to right parties. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—One or two first-class men for general greenhouse work. Apply at once. Address C. H. FREY, 1133 O St., Lincoln Neb.

WANTED—A man thoroughly familiar with seeds, capable of filling and shipping wholesale orders. Address Box 134, Rochester, N. Y.

WANTED—Reliable, competent man. Fine roses, mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRosa Gardens, Memphis, Tenn.

WANTED—Competent and experienced maker-up and decorator. Address with reference salary and full particulars J. J. HABERMEHL'S SONS, Diamond and Twenty-second Sts., Philadelphia.

WANTED—A first-class experienced framan to take charge of violet houses containing 15,000 plants. Steady employment and good wages to right man. J. W. FEETER, Highland, Clister Co., N. Y.

WANTED AT ONCE—A good man as greenhouse assistant on plants where general cut stock is grown. One experienced in outside work, bedding, etc., desired. Steady job for right party. Address M, care American Florist.

WANTED—A gardener who understands growing of vegetables, both in or outdoors and can take charge of a place. Steady position. Apply with good reference. None other need apply; state wages. KRUMM ROTHERS, St Joseph, Mo.

WANTED—A single practical Scandinavian gardener, a Dane preferred, for general greenhouse work. A good job for the right man, and steady work; board, room and washing. Wages \$15 a month. Wanted at once or later. Address H. PEDERSEN, Saddy Point Road St. John, N. B.

WANTED—A good steady industrious and sober man well up in all greenhouse and garden work. Wages \$25 per month with board and lodging. Increase of wages and steady employment to right party. Address W. H. WRIGHT, Cor. 1st East and Monroe Sts., Vicksburg, Miss.

WANTED—Two active young men who are familiar with general greenhouse work and who have had some experience in large establishments as order clerks. State particular branch of the business with which you are most familiar and name references. Address HENRY A. DRER, Riverton, N. J.

WANTED—A first-class grower thoroughly capable of taking charge of greenhouses to supply retail store in best city in southern states. Must be first-class in Beauties, Mails, Brides, carnations, violets, mums, etc., and have from \$2,000 to \$5,000 to purchase interest in a first-class plant just finished. Address MAGIC, care American Florist.

FOR SALE—A chance of a life time, for a young florist; one-half interest, a greenhouse with 22,000 feet of glass in northwestern Ohio, with a good established trade. Price \$2,500; one-half cash, balance in one, two or three years. For further information Address W. H. W., 434 Fourth St., Braddock, Pa.

TO LET—Forty dollars per month, 7000 feet of glass nearly new, heated by hot water, dwelling house and three acres of land. The place is connected with city water and two miles from city; electric cars run near place. A fine place for vegetable grower. Can get you steady customers. I will lease or sell this place. Address R B, care American Florist.

Florist Wanted.

Position is open for energetic man who understands all branches of the business, growing, design work, firing, etc. Moderate salary and liberal share of profits to right party. Address

T. L. METCALFE, Hopkinsville, Ky.

Applicants living near Chicago can find particulars at VAUGHAN'S SEED STORE.

Bids Wanted.

I shall build four greenhouses in Denver, Colorado, soon as possible. Will let contract to lowest responsible bidder. Houses 20x80 feet each and attached. Bidders must bid for heating by steam or hot water; do all piping and sash and glass. Cypress wood. Cash will be paid as work progresses. Want houses completed in sixty days.

SCOTT J. ANTHONY, Denver, Col.

FOR SALE.

A florist's place of three acres, three greenhouses, each 75 feet long and 17 feet wide, heated with hot water, stocked with carnations, smilax and violets; trolley passes the door, village water, good dwelling and stable, six minutes to station on the Harlem railroad, short distance from New York City, population over 10,000. The place must be seen to be appreciated. A good chance for a live man. Address P. O. Box 25, Greenwich, Conn.

FOR SALE.

Controlling interest in a first-class Nursery Co. Doing a good, paying business, both local and shipping trade, well stocked and a good stock coming on. Location the best for living and growing stock. Long established. Address OWNER, care Am Florist.

A BARGAIN. One fine lot 80x160 with a new six-room cottage and a three-room greenhouse consisting of over 2000 feet of glass, well stocked and in good order; enough fuel to run the season. All the above for \$2,200. Owner must resign at once on account of health. No other greenhouses within thirty miles. The above is devoted to vegetables, flowers and plants, and have all sold on the home market at top prices.

JNO. N. ZACHMAN, Oregon, Mo.

For Sale.

An interest in one of the largest and most widely known floral establishments can be purchased by a live man with greenhouse experience. Located in a city of over 200,000 inhabitants in a middle state, catalogue, plant and cut flower trade established. For the right man no better opening could be desired. For particulars, address

X N, care American Florist, Chicago.

FOR SALE. Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 6 of carnations, 9 of miscellaneous stock, all in Al condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.



**5,000,000
Hardy Cut Ferns**

Be sure and read my prices, as follows: 1000 lots, \$1.25 per 1000; 5000 lots, \$1.15 per 1000; 10,000 lots, \$1.05 per 1000; 20,000 lots, \$1.00 per 1000. This is cash business and will not sell for less than price mentioned. Sphagnum Moss, 50c per bbl. Laurel Roping, hand made, \$4.00 per 100 yards. All orders by mail or dispatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

Wholesale Flower Markets

CINCINNATI, Jan. 17.

Roses, Beauty	20.00@50.00
" Bride	6.00@ 8.00
" Bridesmaid	6.00@ 8.00
" Meteor	8.00@10.00
" Perle	4.00@ 6.00
Carnations	1.50@ 4.00
Violets	1.00@ 1.50
Lily of the valley	4.00
Hyacinths	2.00@ 3.00
Narcissus	3.00
Poinsettias	15.00@25.00
Daffodils	3.00@ 4.00
Harrisii lilies	12.50
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Galax leaves	.15
Common ferns	.20

St. Louis, Jan. 17.

Roses, Beauty, long, per doz.	4.00@ 8.00
" Beauty, 12 to 20 inch stems, per doz.	1.00@ 3.00
" Beauty, long, per doz.	4.00@ 6.00
" Perle	4.00@ 6.00
" Meteor	5.00@ 8.00
Carnations, common	1.50@ 2.00
" choice	3.00@ 4.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Galax	.15
Violets	.60@ .75
Stevia	1.00
Narcissus	3.00
Romans	2.00@ 3.00
Sweet peas	1.00

MILWAUKEE, Jan. 17.

Roses, Beauty, long, per doz.	3.00@ 4.00
" med.	2.00@ 2.50
" short	1.00@ 1.50
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	6.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 4.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Violets	1.00

PITTSBURG, Jan. 17.

Roses, Beauty, fancy	50.00@60.00
" extra	30.00@40.00
" No. 1	20.00@25.00
" culls	8.00@10.00
" Bride, Bridesmaid	3.00@15.00
" Meteor	4.00@12.00
" Perle	4.00@ 6.00
" Cusin	4.00@ 8.00
" Liberty	4.00@15.00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00@ 5.00
Violets	.50@ 1.50
Paper White, Romans	3.00@ 4.00
Lily of the valley	2.00@ 5.00
Nignonette	3.00@ 4.00
Lilac, white	8.00@12.00
Tulips	4.00
Precisias	5.00
Harrisii	20.00@25.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@75.00
" Sprengerii	.20@ .75
Galax, green and bronze per 1000	\$1.25
Dagger ferns	per 1000, 2.00

DENVER, Jan. 16.

Roses, Beauty, select	25.00@40.00
" ordinary	6.00@16.00
Bride, Bridesmaid	4.00@ 6.00
Meteor	4.00@ 6.00
Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.50@ 3.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	.75@ 1.00
" double	.70@ 1.00
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Ferns, per 1000	2.50 .30

J. B. DEAMUD,

.....51 Wabash Avenue, CHICAGO,

WANTS YOUR BUSINESS,

Whether it be Consignments or Orders.

When writing mention American Florist.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

HOLTON & HUNKEL CO.,
-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

PITTSBURG CUT FLOWER CO., Ltd.

504
Liberty Street,

ALL
FLOWERS
IN
SEASON.

PITTSBURG,
PA.

**Wild Smilax
Galax Leaves**

No. 1 contains 25 lbs	\$3.50
No. 2 contains 35 lbs	4.50
No. 3 contains 50 lbs	6.00

Brilliant Bronze or Green \$1.25 per 1000
Small Green, for Violets 1.00 per 1000

FANCY FERN, DAGGER FERN, ETC., at Market Prices.

Telephone
798 Madison Sq.

HARRY A. BUNYARD, 38 W. 28th St., New York.

**ONE DOLLAR FIFTY PER 1000 FOR
BRONZE GALAX LEAVES**

Delivered NOW FREE, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for Ten Cents.

AMERICAN ROSE CO., Washington, D. C.

GALAX LEAVES

Red and green Galax, 55c per 1000.

Leucothoe Sprays, \$2.50 PER 1000.

Cash with first order. Seven years' experience. Special price to wholesalers.

J. N. PRITCHARD, Elk Park, N. C.

American Florist Advts.
Always Sell Stock.

...GEO. M. KELLOGG...

Largest Grower of... In the West. **Cut Flowers**

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE PHONE AT EITHER PLACE
Please mention the American Florist when writing.

**JOHN B. FERGUSON,
Wholesale Florist,**

NO. 6 DIAMOND MARKET SQUARE,
PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

GALAX LEAVES!

J. L. BANNER & CO., Montezuma, N. C.

We like to deal with

PARTICULAR PEOPLE

People who know a good thing when they see it.

We have all grades of stock up to the very best and are equipped to give the most efficient service to be had in the wholesaling of cut flowers. If you are a particular person let us have the pleasure of your patronage; let us keep it if we earn it.

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street, CHICAGO, ILL.
Long Distance Phone 1977 Central.

CURRENT PRICE LIST.

BEAUTIES

Long stem.....	per doz.,	\$6.00@	8.00
Stems 30 inches.....	"		5.00
" 24 ".....	"		4.00
" 20 ".....	"		3.00
" 15 ".....	"		2.00
" 12 ".....	"		1.50
Short stems.....	"		1.00
Brides, Maids.....	per 100,	6.00—	10.00
Meteors.....	"	6.00—	8.00
Perles.....	"	4.00—	6.00
Roses, good seconds.....	"	4.00—	5.00
Carnations, standard sorts..	"	1.50—	2.00
Fancy sorts.....	"	3.00—	4.00
Callas.....	per dozen,	1.50—	2.00
Romans, Paper White.....	per 100,	3.00—	4.00
Valley.....	"	4.00—	5.00
Violets.....	"	.75—	1.25
Mignonette.....	per doz.,	.50—	.75
Asparagus.....	per string,	.50—	.75
Galax, 1000, \$1; 10,000 for \$7.50;	per 100,		.15
Ferns, per 1000, \$2.00.....	per 100		.20
Leucothoe sprays.....	"		.75
Adiantum.....	"	1.00—	1.25
Smilax.....	per dozen,		1.50
Wild Smilax, parlor brand...per case,			3.25
" " medium.....	"		4.25
" " large.....	"		5.50

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty..... WHOLESALE GROWER of CUT FLOWERS

CARNATION BLOOMS

Shipped direct from Greenhouses to all points. Standing orders solicited.

SEND TO HEADQUARTERS AND GET THE BEST.

CHICAGO CARNATION CO., JOLIET, ILL.

Wholesale Flower Markets

CHICAGO, Jan. 18.

Roses, Beauty, extra long stems..	6.00@8.00
" " 30 " " " " " "	5.00
" " 24 " " " " " "	4.00
" " 20 " " " " " "	3.00
" " 15 " " " " " "	2.00
" " 12 " " " " " "	1.50
" " short " " " " " "	1.00
" Bride, Bridesmaid.....	6.00@10.00
" Meteor.....	6.00@10.00
" Perle.....	4.00@ 6.00
" Golden Gate.....	8.00@12.00
Carnations.....	1.50@ 2.00
" fancy.....	3.00@ 4.00
Violets.....	.75@ 1.25
Lily of the valley.....	4.00@ 5.00
Mignonette.....	4.00@ 8.00
Marguerites.....	.75@ 1.00
Paper White.....	2.00@ 4.00
Romans.....	3.00@ 4.00
Cattleyas.....	.6.00@9.00 doz.
Adiantum.....	1.00@ 1.25
Common ferns.....per 1,000	1.50 .25
Leucothoe sprays.....	1.00
Galax leaves, per 1000.....	\$1.00 .15
Smilax.....per dozen	1.25@ 2.00
Asparagus...per dozen	7.50@10.00

Bentley & Co.

F. F. BENTLEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

Asparagus Decumbens, THE NEWEST AND BEST GREEN,

Used by Wienhoeber, Samuelson and Chicago's other leading retailers.

Strings, 2 1/2 to 3 feet long, 25c.; \$2.50 a doz.

L. KOROPP, Wellington and W. Ravenswood Pk. Av., Chicago.

Wholesale Store, Minneapolis, Minn.,

Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. Minneapolis, Minn.

BRANT & NOE.

JNO. H. DUNLOP, CHOICE Cut Flowers

All orders receive most careful attention.

TORONTO, ONT., CANADA.

Six prizes American Rose Society, New York City.

E. H. Hunt

THE "OLD RELIABLE" FOR WHOLESALE CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE Wholesale Growers and Shippers of CUT FLOWERS.

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

A. H. POEHLMANN,

Wholesale Grower of Cut Flowers

All telegraph and telephone orders given prompt attention.

55 Wabash Avenue, CHICAGO.

Choice Green and Bronze Galax, New Crop. Price 60c. per 1000, postage prepaid. Small Orders a Specialty. Address

H. H. HILL, Victoria, Macon Co., N. C.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street,PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

BUY BOSTON FLOWERS. THEY'RE ALL RIGHT.
 They ship well and they sell well.
GEO. A. SUTHERLAND,
 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street,
BOSTON, MASS.
WELCH BROS., PROPRIETORS.
 Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES.
 Block Letters, \$2 per 100. Script Letters, \$4 per 100. Acknowledged by all florists the best in use. Special prices for doz. lots.
THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade
 With Highest Grade
**ROSES, GARNATIONS,
 LILY OF THE VALLEY,
 VIOLETS** and all flowers the
 Boston market affords.
 PRICES RIGHT AND PACKING PROPERLY DONE.
N. F. MCCARTHY & CO.,
 Tel. 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing.

Frank M. Ellis,
WHOLESALE FLORIST,
 1316 Pine Street, ST. LOUIS, MO.
 CONSIGNMENTS SOLICITED.

H. G. BERNING
Wholesale Florist,
 SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.
 Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
 1122 PINE STREET,
 ST. LOUIS, MO.
 A complete line of Wire Designs.

The Cincinnati
Cut Flower Co.,
 416 Walnut St., CINCINNATI, O. **WHOLESALE FLORISTS.**
 Consignments Solicited.
 Special Attention Given to Shipping Orders

Wholesale Flower Markets

Boston, Jan. 16.	
Roses, Beauty, extra.....	35.00@60.00
" " medium.....	15.00@25.00
" " culls.....	6.00@10.00
" " Bride, Bridesmaid, Meteor. 4.00@ 6.00	
extra.....	10.00@16.00
Carnations.....	.75@ 1.50
extra.....	2.00@ 3.00
Paper White narcissus, Roman	
hyacinths.....	1.50@ 2.00
Lily of the valley.....	2.00@ 3.00
Mignonette.....	2.00@ 4.00
Tulips, Yellow narcissus.....	2.00@ 3.00
Violets.....	.50@ .75
Lilacs.....	5.00@ 8.00
Adiantum.....	.75@ 1.00
Smilax.....	10.00@15.00
Asparagus.....	50.00
" Sprengeri, .20@ .25 per bunch	
PHILADELPHIA, Jan. 16.	
Roses, Tea.....	6.00@ 9.00
" " extra.....	10.00@15.00
" " Beauty, extra.....	40.00@65.00
" " frsts.....	10.00@30.00
Carnations.....	1.50@ 2.50
" " fancy.....	3.00@ 4.00
Lily of the valley.....	3.00@ 4.00
Romans, Paper Whites.....	2.00@ 3.00
Violets, single.....	.50@ 1.00
" " double.....	1.00@ 1.50
Asparagus.....	35.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.75@ 1.00
BUFFALO, Jan. 17.	
Roses, Beauty.....	30.00@40.00
" " Bride, Bridesmaid, Meteor 8.00@15.00	
Carnations.....	3.00@ 5.00
Lily of the valley.....	4.00
Smilax.....	15.00@20.00
Adiantum.....	1.00@ 1.25
Asparagus.....	50.00@75.00
Chrysanthemums.....	10.00@20.00
Violets.....	1.50@ 2.50

Woodroffe & Bernheimer,
Wholesale Florists
 1604 LUDLOW STREET,
 PHILADELPHIA.
 Phone 1-42-69-A.
 Consignments Solicited.
 Please mention the American Florist when writing.

LEO. NIESSEN,
Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS,
 PHILADELPHIA, PA.
 LONG DISTANCE PHONE 3-45-94 D.
 Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-28 D.
 Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

GIVE US A TRIAL. WE CAN PLEASE YOU.



Open day and night.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist.
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

Try the New Flower Commission House

WATERBURY & CO.,

48 W. 30th St., NEW YORK CITY.

Correspondence with Growers Solicited.

A. H. LANGJAHR, 19 Boerum Place, BROOKLYN, N. Y.
 Controls the best Brooklyn Cut Flower Trade.
CONSIGNORS GET THE BENEFIT

**TOP GRADE
Carnations**

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street,
NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS,
LIBERTIES.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street,
NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.

Choice ROSES and CARNATIONS, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Telephone 2200
Madison Square.

57 W. 28th. St., NEW YORK CITY.

....LIBERTY, BEAUTY AND OTHER CHOICE STOCK....

BEST IN THE COUNTRY.

JOHN YOUNG

Has the best BEAUTIES, CARNATIONS, VIOLETS AND VALLEY in New York.

TRY A SHIPMENT OR TWO. ✂
All Choice Flowers daily.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN
NEW YORK CITY FOR

Violets Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
... 30 West 29th Street.
New Telephone No. 561 Madison Square.

**FRANK MILLANG,
CUT FLOWERS,**

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock
Every Morning.....

DESIRABLE WALL SPACE TO RENT
FOR ADVERTISING.

JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. 119 and 121 W. 23d St.,
Cut Flower Co. NEW YORK CITY.

TELEPHONE 733-18th.

Oldest Stock Shipped on a Commission.

Rose, Violet and Carnation Growers,
Consign to

M. A. HART,
44 W. 29th St., NEW YORK CITY.

Choice Carnations.

Selected Roses

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Jan. 16.

Roses, Beauty, select.....	50.00@75.00
" " medium.....	20.00@35.00
" " culls.....	3.00@ 5.00
" Bridesmaid, Bride, Meteor 2.00@ 4.00	
" " " select.....	10.00@15.00
Carnations.....	1.00@ 1.25
" fancy.....	2.00@ 4.00
Lily of the valley.....	1.50@ 2.00
Smilax.....	10.00@15.00
Asparagus.....	25.00@50.00
" Sprengerii, per doz. bun. .75@1.00	
Adiantum.....	.50@ 1.00
Violets.....	.35@ .75
" special.....	1.00@ 1.25
Gardenias.....	25.00@50.00
Cypripediums.....	10.00@12.00
Mignonette.....	2.00@ 5.00
Paper White narcissus.....	1.00@ 1.50
Roman hyacinths.....	.75@ 1.00
Yellow narcissi.....	2.00@ 3.00
Cattleyas.....	25.00@50.00

**Headquarters of the Hustler
CHAS. MILLANG,**

WHOLESALE

Commission Florist

50 West 29th St., NEW YORK.

Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION.

GROWERS and FLOWER BUYERS.
Write for Terms and Quotations.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

The New York Cut Flower Co.

119 and 121 West 23d Street.

112 and 114 West 24th Street.

Telephone 733-18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders

GEORGE SALTFORD,

....Wholesale....
Commission Dealer in **Violets**

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed.
Correspondence Solicited.

FORD BROS.

....Wholesale Florists

111 West 30th Street, NEW YORK.

BIG FRAGRANT VIOLETS. 'Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,

Wholesale Commission Florist
and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations.

119 West 30th Street, NEW YORK.
Telephone 1438 Madison Square. Consignments Solicited.

Cut Flowers, all varieties and all grades,
at New York market rates.

M. A. HART,
44 W. 29th St., NEW YORK CITY.

You Can Make Money
By Dealing With

J. K. ALLEN,

The Busiest Wholesaler
in New York.

Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq.

106 West 28th Street.

Season Open

EDW. C. HORAN,

Special in
Roses:

47 WEST 28TH ST.,

Violets
'Mums
Gardenias

Tel. 421
Madison Square,NEW YORK.

CUT FLOWERS AT WHOLESALE.

Liberty, Pres. Carnot,
Kaiserin, Meteor,
Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
ALBERT McCULLOUGH, Pres.; F. W. BOLOGIANO,
Vice-Pres.; S. F. WILLARD Wethersfield, Conn.,
Sec'y and Treas.

VISITED CHICAGO: Thomas H. Hill, of
D. Landreth & Sons, Philadelphia.

THE crop of Lavender Branching aster
is again extremely short this year.

REPORTS from London, Eng., are to
the effect that stocks and crops of clover
seed are proving short.

THE death is announced of William
Herbert Dunnett, of the firm of James
Carter & Co., London, Eng.

F. W. BRUGGERHOF, president of the
firm of J. M. Thorburn & Co., puts it
well when he says a love of gardening is
the measure of a nation's refinement.

Wholesale Seedsmen Protest.

The House committee on agriculture
to-day gave a hearing to the wholesale
seedsmen who argued against the free
distribution of seed by the government.
They contended that the government
was interfering with private business.—
shington Star, January 8.

Unfair Competition.

The agency which handled our adver-
tising last season has forwarded us a let-
ter received by them from the American
Sheep Breeder, published by W. W. Burch,
of Chicago, in which they solicit an
advertisement from us, but state that
*being large handlers of Dwarf Essex rape
seed themselves they would not care to
have us advertise rape seed in their paper,
the letter being dictated by Mr. W. W. B.*

It seems to us that the limit of endur-
ance has been reached when papers, not
content with directly competing with
seedsmen in their own line of trade,
make a condition for entrance into
their columns, that seedsmen shall not
offer seed the paper itself is handling
and which is the very one item which
would seem most likely to be sold to
their readers. It is said that the worm
will turn. Seedsmen generally are a meek
and long suffering class, but it does seem
as though they ought to refuse to sup-
port papers which, while soliciting their
support with one hand are knifing them
with the other.

NORTHRUP, KING & Co.

The Destructive Pea Louse.

In a recent bulletin of the Delaware
Experiment Station E. D. Sanderson
gives the following information with
regard to the destructive pea louse: "The
destructive pea louse destroyed fifty-six
percent of the Delaware pea crop in 1899
and with dry weather caused a loss of
forty-seven per cent in 1900. Injury was
much worse to peas sown broadcast or
in 8-inch drills. The lice feed upon clover
in late fall, winter and spring. Large
numbers of the lice are destroyed by par-
asitic and predaceous insects, but more
by a fungous disease. This disease is
more prevalent in wet springs when the
lice are consequently less numerous. If
practicable, clover badly infested with
lice should be deeply plowed under and
rolled to prevent their spread to peas.
Peas planted upon well fertilized land,
and frequently cultivated, will sometimes
bear a fair crop though attacked by the

lice. Plant only in rows eighteen to thirty
inches apart. Do not plant late peas next
season. In warm weather with dry soil,
brush the vines with pine branches dur-
ing mid-day and follow the brushes by a
cultivator. Otherwise, brush the lice
from the vines into a shallow pan drawn
between the rows and partially filled
with water and kerosene."

Galveston, Tex.

After the holidays everything is very
quiet. Thomas Shimins keeps his store
open but Mrs. Eickholt's store is closed;
however, a sign reads that it will open
again January 15. Everybody is trans-
planting seedlings and offering them for
sale at low prices.

At present we are having fine weather,
and cyclamens, azaleas and hyacinths are
showing the effects of this in breaking
from buds to blossoms in full gaiety of
spring life.

Otto Fehrlin hails now from Dallas,
having found, after a long journey to

west, north and east, with some experi-
ence, that Texas is the place for him to
live.

The Acme Nursery of F. G. Laeverenzis
now permanently located in Houston,
the last carload of plants going up a
week ago.
J. D. P.

FALL RIVER, MASS.—Michael Conroy
made an assignment on January 10 to A.
J. Edgell. He estimated his assets as
worth \$300 and his liabilities amount to
\$1,850

MADISON, WIS.—Mrs. A. Guillaume, the
florist of La Crosse, opened a store here
November 1 and reports good business.
Her daughter, Miss Emma Guillaume, is
in charge.

MINNAPOLIS, MINN.—Welch & Cole
have begun work on three greenhouses
to be erected at Thirty-first street and
Irving avenue South, for the Minneapolis
Floral Company. The cost is estimated
at \$12,000.

Johnson & Stokes' Seeds are grown exclusively
for the most critical
market garden and flor-
ist trade and are known in every large market of the United States as produc-
ers of vegetables and flowers which are the accepted standards of excellence.

Write now for our New
Quarterly Wholesale Catalogue.

JOHNSON & STOKES, PHILADELPHIA,
PA.

TUBEROSE BULBS.

(Excellior Pearl.)

Genuine Hallock dwarf strain, cured by fire
heat, sound, dry, hand picked.

FIRST SIZE—F. O. B. Chicago, 4 to 6-in., per 1000,
\$7.00; 3000 \$20.50.

From N. Y. City, 50c per 1000 less.

Mammoth Bulbs—6 to 8-in., per 1000, \$10.00.

Medium Bulbs—3 to 4-in., per 1000, \$3.50; 10,000 lots,
f. o. b. Chicago, \$30; f. o. b. New York, \$27.50.

WE MEET competition, quality considered.

VAUGHAN'S SEED STORE,

CHICAGO:

NEW YORK:

84-86 Randolph St.

14 Barclay St.

Lilacs for Forcing

Potgrown, with very long stems. The
best cultivated on the continent.

MARIE LEGRAYE,

CHARLES X.,

and MME. CASIMIR PERIER.

Case of 18 pieces, \$6, f. o. b. Rotterdam.

JAC. SMITS, Naarden, (Netherlands.)

TERM—Cash or good references on the con-
tinent

WANTED—Agents for the sale of Lilacs, Lily of
the Valley Pips, Spiraeas, Standard Shrub
Roses, etc.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of
strictly high-class halftones of
which we can supply electros suitable
for catalogue illustration. If you need
anything in this way, state your re-
quirements and we will submit proofs
of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.



THORBURN'S SEEDS

They have been developed by
careful, thoughtful propagation
throughout the Nineteenth cen-
tury. Thorburn's 116-page Century
Catalogue of these

Seeds of a Century

is the 100th successive annual
issue. If you would have a more
beautiful lawn, or a more produc-
tive garden, send for it. It's free.

J. M. THORBURN & CO.
(late of 15 John Street)
86 Cortlandt Street, New York.

Please mention the American Florist when writing.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top,
Meadow Fescue, Perennial and Italian Rye Grass,
Tall Meadow Oat, Johnson, Bermuda, Creeping
Bent, Wood Meadow and other Domestic and
Imported varieties. **CLOVERS**—Red, Sab-
ling, Alfalfa, Crimson, White, Alsike, Japan, etc.
**WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY
GREEN" Lawn Grasses** are giving the best satis-
faction everywhere. Put up in packages and
bulk. Special low prices to the trade.

ONION SETS Silver Skin,
Yellow and Potato
Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO.,

The Largest and Best Collection of Seeds in Ky.,
LOUISVILLE, KY.

Please mention the American Florist when writing

THIS MONTH,
To Introduce Our Goods,

GALAX LEAVES,

10,000 for \$6.00.

EVERYTHING IN WILD EVERGREENS.

THE KERVAN CO.,

F. B. Kervan, Prop. 30 W. 29th St.,
TELEPHONE 551 NEW YORK.
MADISON Sq.

Stop Walking the Floor. You won't be disappointed if you place your orders for

SOUTHERN WILD SMILAX

With CALDWELL THE WOODSMAN CO., Evergreen, Ala. or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia Vail Seed Co., Indianapolis. Our advice: Wire your address and go "Sleep in peace."
N. B. We also sell some Holly.

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$1.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,

199 Grant Avenue, JERSEY CITY, N. J.

SEED Pansies PLANTS

The Jennings strain. Fine stock, choice varieties. Medium size plants, 60c per 100 by mail, \$4 per 1000 by express. Extra fine stocky plants in bud and bloom, \$1 per 100; \$10 per 1000. The above growing in cool greenhouses. Seed, \$1 per pkt., \$5 per oz. Cash with order.

E. B. JENNINGS, Grower of the Finest Pansies,
Lock Box 254 Southport, Conn.

W. Z. PURNELL, DEALER IN

Green Sheet Moss, large thin pieces, per bbl. \$1.25.
Green Sphagnum Moss, selected.....per bbl. \$1.60.
Dried well packed, per bbl. \$1.25; 10 bbls., \$10.00.
Laurel in cases 2x2x4 feet.....per case, \$3.00.
Long Needle Pines, selected.....per doz. \$1.25; 3 dozen, \$3.00.

SNOW HILL, MARYLAND.

A. SPRENGERII

Ex. strong plants from 2½-in. pots, ready for 3-in., \$2.50 per 100; \$20 per 1000.

The finest stock offered for this price.

JACKSON & PERKINS CO. Newark, New York.

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, \$2.85; per 1000, \$4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,
CHICAGO.

NEW CROP FLOWER SEEDS



LOBELIA BEDDING QUEEN.

	Tr. pkt.	Oz.		Tr pkt. Oz.
Alyssum, Little Gem, true.....	.10	\$.25	Stock, Snowflake, forcing, the earliest white Ten Week, ½ oz. \$1.00, \$1.25	
Asparagus Plumosus Nanus.....	\$1.00	\$8.50	" White Perfection "Cut and Come Again", ½ oz. 45c. .25	
Sprengerii.....	.50	3.00	" Large Flowering Ten Week, White, Rose, Crimson, Blood-Red, Yellow, Light Blue, Dark Blue, each.....	.25
Write for prices on larger lots.			One pkt. of each of the 7 for \$1.25.	
Decumbens, 25 seeds 60c, \$2.00 per 100			" Extra choice mixed.....	.25
Begonia Vernon.....	.10		Smilax, new crop, lb \$3.00.....	.10 \$.30
Erfordi 1-16 oz., 75c.....	.25		Thunbergia, mixed.....	.10 .35
Bellis Perennis, (Double Daisy)			Torenia Fournieri, blue.....	.25
Vaughan's Mammoth, mixed	.25		Fournieri Compacta.....	.25
1-16 oz. 40c.....	.25		" White Wings.....	.20
Mammoth Daisy, white 1-16 oz. 50c	.25		Vinca Rosea, pink, white with eye,	
pink.....	.25		pure white, mixed, each.....	.15 .60
Longfellow, ½ oz. 35c.....	.15	\$2.00		
Snowball, ½ oz. 40c.....	.15	2.50		
Browallia, mixed.....	.10	.50		
Speciosa, large, blue.....	.25			
Candytuft Giant Hyacinth, 1½", white	.10	.60		
Empress.....	.10	.20		
Centaurea Candidissima, 1000 seeds 25c,		1.00		
Gymnocarpa.....	.10	.40		
Cyclamen Persicum Giganteum. We have				
sold this strain for several years	100	1000		
and find it to be very fine.				
Giganteum, Mont Blanc, white.....	\$.75	\$5.00		
Deep Crimson, very large.....	.75	5.00		
Rosa von Marienthal, pink.....	.75	5.00		
White, Carmine Eye.....	.75	5.00		
Best mixed, ½ oz., \$1.50.....	.50	4.50		
Lobelia, Bedding Queen. The best				
Lobelia for carpet beds,				
borders and pots.....	.25			
Crystal Palace Compacta.....	.15	\$1.50		
Speciosa, for hanging baskets.....	.10	.75		
Emperor William, ½ oz. 25c.....	.15	1.50		
White Lady dwarf white.....	.10			
Maurandya, mixed, ¼ oz. 40c.....	.15	1.25		
Mignonne, Machel, true.....	.10	.50		
Defiance.....	.25	1.75		
100 seeds. 1000				
Musa Ensete (Banana plant).....	\$1.00	\$8.00		
Pelunia, Vaughan's Best Mixture.....	\$.50			
The best mixture of large-flowering single varieties in existence.				
Giants of California, mixed 1-32				
oz. \$1.25.....	.50			
Double Fringed Perfection.....	.75			
Double White.....	.50			
Salvia Splendens "Drooping Spikes".....	.15	\$2.00		
Clara Bedman.....	.25	2.50		
Silverspot.....	.25			
Golden-Leaved.....	.25			
St. Louis, new, best of all.....	.25			

Tr pkt. Oz.
Stock, Snowflake, forcing, the earliest white Ten Week, ½ oz. \$1.00, \$1.25
" White Perfection "Cut and Come Again", ½ oz. 45c. .25
" Large Flowering Ten Week, White, Rose, Crimson, Blood-Red, Yellow, Light Blue, Dark Blue, each..... .25
 One pkt. of each of the 7 for \$1.25.
" Extra choice mixed..... .25
Smilax, new crop, lb \$3.00..... .10 \$.30
Thunbergia, mixed..... .10 .35
Torenia Fournieri, blue..... .25
 Fournieri Compacta..... .25
 " White Wings..... .20
Vinca Rosea, pink, white with eye, pure white, mixed, each..... .15 .60

PANSY.

Vaughan's "International" received the only reward for Mixed Pansies at the World's Fair. It is today better and more complete than ever. It contains the cream of the stock of ten Pansy specialists. There is no better mixture in existence, as all of the florists who saw or used it can tell you. Price, per oz., \$10; ¼ oz., \$5; ½ oz., \$1.50; trade pkt., 50c.
Vaughan's "Giant Mixture." If you want large flowers this is the mixture to buy. Oz., \$4; ½ oz., 60c; trade packet, 25c.
Chicago Parks Bedding Mixture, oz., \$1; ¼ oz., 30c; trade pkt., 10c.
Masterpiece. Per ½ oz. \$1.50; trade pkt., 50c.
Pansy, separate sorts, see our florist's catalog.

VERBENA.

Vaughan's Best Mixture. Includes the Mammoth Flowered strains of three celebrated Verberna specialists, the beautiful and dazzling Defiance, the Snow-White, Purples, Striped, and all the Auricula-Flowered varieties, the new giant striped and the Fordhook Mammoth Verbernas. We feel perfectly safe in stating that this mixture of Verbenas will eclipse every strain offered by any other house. Oz., \$2; ¼ oz., 50c; trade pkt., 25c.
Mammoth Mixed, trade pkt., 15c; oz., \$1.00.
 White, trade pkt., 15c; oz., \$1.25.
 " Pink and carmine shades, trade pkt., 25c; ¼ oz., 50c.
 " Mayflower, best pink, trade pkt., 25c; ¼ oz., 50c; oz., \$1.75.
Verberna Defiance, bright scarlet, ¼ oz.,
 30c..... .10 \$1.00
 " Corulea, sky-blue..... .10 1.00
 " Striped..... .10 1.00
 " Lemon-scented, ¼ oz., 25c..... .10 1.25

SPECIAL DISCOUNT OF 10 PER CENT FOR CASH WITH ORDERS
AMOUNTING TO \$2.00 AND OVER.

For other Flower Seeds not listed see our "BOOK for FLORISTS," a copy of which will be mailed on request. Our Spring Catalog will be ready shortly. We have all our new seeds in stock now.

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph Street.



NEW YORK: 14 Barclay Street.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSEYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

ROCHESTER is without question the first nursery center of the United States; Troy, Ohio, and Bloomington, Ills., each claim second place.

C. L. WATROUS, of Des Moines, Ia., believes that he sees many reasons for abandoning the Americana plum, but J. M. Wragg, of Waukeg, believes the Iowa plum is second in value only to the apple.

PLANTERS for decorative effect are making large use of weeping trees and of these there is none more desirable than Teas' weeping mulberry, some fine specimens of which are to be seen in Lincoln Park, Chicago.

It is said that orchardists all over the northwest are turning their attention to the apple in the hope of securing a seedling which will win the prize of \$1,000 offered by the Minnesota State Horticultural Society for a variety of apple equal to Duchess in hardiness, to the Wealthy in size, appearance and quality and the Malinda in keeping capacity.

Moving Large Trees.

ED. AM. FLORIST:—It seems to me that "C. B. W." goes to a great deal of trouble in moving a large tree. I think I could give a method much more simple than he described in a recent issue of your journal, and one which would be far less expensive. It is one which I have used many times with success. When I lived in the north, in New York, I did considerable of this moving of large trees, and made it a practice to cover the ground around the trees in the fall to prevent the ball from freezing. Then after freezing weather came I would take a force of men and cut out the ball according to the size of the tree to be moved, and pack the bottom of the ball with straw or leaves, leaving the ball to become frozen solid. After it was frozen we would hitch a yoke of oxen to the top of the tree to lay it flat, making a sloping excavation to the bottom of the ball and turn the whole ball and tree out upon what is called a stoneboat. Then two, four or six oxen, according to the size of the load, would serve to transport the tree to its place of planting, and there you are.

Anniston, Ala. F. J. ULBRICHT.

Cincinnati.

MEAGER SHOWING OF ROSES AND VIOLETS AT THE MONTHLY MEETING OF THE LOCAL ORGANIZATION.—GOOD CARNATIONS ARE EXHIBITED.—NOTES OF VARIOUS DOINGS.

The exhibition at the club rooms last Saturday looked as though there was a famine of violets and roses, there being only two entries in each of these classes. C. Goldman, of Middletown, was first for violets, having a unique way of showing them. He arranged a small dinner table, having dishes and silver ware, with violets for favors and a large basket in the center filled with violets. Corbett & Wilson were second, with a very creditable display. In roses Gus. Meier was first in all classes. W. K. Partridge had remarkably fine Brides but there were fourteen blooms in his vase instead of twelve and the judges ruled him out. In carnations Mr. Partridge was first in all four classes

and showed some extra fine blooms of Morning Glory, Marquis, Lawson, Crane, Glacier, Peru and America. He received honorable mention for the best display. Richard Witterstaetter, as usual, had his Enquirer, bigger and better than ever. Also that new seedling, 723 A., the largest and best white we have ever seen. He had a vase of new scarlet seedlings on exhibition which were eye-openers. His vase of Elinora was also all right.

There are two ladies in the flower business in this city who have toiled early and late for the past twenty-seven years. The writer has reference to Mrs. H. A. Kresken and her daughter Ada, who have worked side by side all these years. "Mother Kresken," as the boys call her, says that she intends disposing of her store and taking a trip abroad the coming summer. Having by hard work earned a competency for the balance of life she certainly deserves a vacation.

A. Sunderbruch & Sons have been as busy as they could be with decorations and funeral work ever since the holidays. This firm has been disposing of a very great many American Beauties this year. Lloyd Vaughan, of Chicago, is the first

bulb man to arrive and from the appearance of his countenance it looks as though the early bird were getting the worm. D.

Springfield, Mass.

Business has not been very brisk since the entry of the twentieth century, but still we cannot complain, as a short rest gives us a chance to prepare ourselves for emergency. Flowers are more plentiful but very few go to waste. Carnations have dropped in price, two of our florists having cut to 25 cents per dozen, but our leading dealer still gets 35 cents and 50 cents a dozen and can sell all he has. Lemuel Morgan, of Longmeadow, is bringing in some fine carnations and, by the way, grows quite a few seedlings that are as good as the majority that are sent out. One in particular is a cerise pink in its third year and has improved right along. It is a continuous bloomer, a robust grower, has a perfect calyx, bloom three to three and one-half inches, stem long and wiry, holding its bloom erect. We would like to see it go to Baltimore in February. A. B.

KENNICOTT BROS. CO.

Wholesale Commission Florists

42 AND 44 E. RANDOLPH ST.

.....CHICAGO.

WHOLESALE PRICE LIST.

Best Brides and Maids \$7.00 to \$9.00 per 100
 Good " " " 6.00 to 7.00 "
 Perles..... 5.00 to 6.00 "
 Meteors 6.00 to 10.00 "
 Roses, our selection..... 4.00 "
 American Beauties—
 Long 5.00 to 7.00 "
 Medium 3.00 to 5.00 "
 Short 1.25 to 2.00 "

Carnations, fancy.....\$3.00 to \$4.00 per 100
 " fine..... 1.50 to 2.00 "
 " our selection..... 1.25 "
 Smilax 1.50 to 2.00 per doz
 Ferns, Adiantum..... 1.00 to 1.25 per 100
 " common 1.50 per 1000
 Galax Leaves..... 1.50 "
 Lily of the Valley..... 4.00 to 5.00 per 100
 Roman Hyacinths..... 3.00 to 3.50 "
 Violets75 to 1.25 "
 Paper White..... 2.00 to 3.00 "
 Asparagus..... 60c per string
 Lencothoe..... 75c per 100

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO.,

Painesville, Ohio.

Hardy Perennials.

FIFTEEN ACRES of these in every variety hardy in this country. No American Nursery can offer so varied or extensive a collection, at low rates for field-grown plants.

ORDERS FOR

RARE TREES, SHRUBS, RHODODENDRONS AND EVERGREENS

can be filled by us more completely and at lower rates than by most American Nurseries.

Write to us for prices for spring orders, for any quantity.

THE SHADY HILL NURSERY CO., 102 State St., BOSTON, MASS.

A good adv. in a good paper will bring good returns.

Maples NORWAY SUGAR.

From 1 to 3-inch caliper, also one-year seedlings. Write for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Send to THE MOON Company For { Trees, Shrubs, Vines, Your } and Small Fruits. Descriptive Illustrated Catalogue Free. THE WM. H. MOON CO., Morrisville, Pa.

Grape Vines

Descriptive and Price List free. Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true. T. S. HUBBARD CO., FREDONIA, N. Y.

FORCING PLANTS FOR WINTER AND EASTER FLOWERING.

HARDY AZALEA MOLLIS

These varieties have for many years been very popular for forcing in Europe, and have in recent years met with considerable favor here in the United States, and when better known are certain to gain in popularity, especially for early forcing.

We are handling the stock of one of the most successful specialists, and can supply fine, bushy plants, 12 to 15 inches high, finely set with buds. \$4.50 per dozen; \$35 per 100.

AZALEA INDICA, for Easter.

We can still supply all the leading varieties in fine, bushy, well-budded stock.

10 to 12-in. crowns,	\$5.00 per doz.;	\$40.00 per 100
12 to 14 "	7.00 "	50.00 "
14 to 16 "	9.00 "	70.00 "
16 to 18 "	15.00 "	100.00 "

Specimen plants of Mme. Van der Cruyssen at \$1.50, \$2.00, \$2.50, \$3.00, \$5.00 and \$7.50 each.

POT GROWN LILACS.

We offer a fine lot of pot grown plants finely set with buds, in excellent condition for forcing.

Charles X, Red; Marie Legraye, Single White; Mme. Lemoine, Double White; \$6.00 per dozen; \$45.00 per 100.

DEUTZIA GRACILIS.

A fine lot of three-year-old plants, suitable for 7 and 8-inch pots, very bushy, \$1.00 per doz., \$8.00 per 100

DEUTZIA GRACILIS ROSEA. (New)

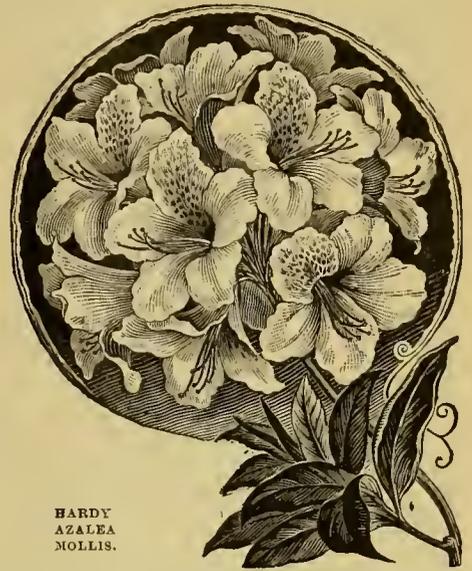
Identical with the above in general habit, but with flowers fully double the size of that graceful variety, to which is added the additional charm of being suffused with a delicate rosy tint, just sufficient to relieve the dead white which is objectionable in the type, and which will undoubtedly place it in the front rank of shrubs for winter forcing. A limited lot of one-year-old plants. \$2.00 per doz., \$15.00 per 100.

DEUTZIA LEMOINEI.

This is now one of the standard varieties for forcing. It surpasses *D. Gracilis* in its very large flowers being nearly three times the size of the latter variety. These are produced in large cone-shaped heads of 20 to 30 flowers each, and of the purest white. Strong one-year-old plants, suitable for 6-in. pots. 75c per doz.; \$6.00 per 100.

RHODODENDRONS. (for Forcing)

Fine bushy plants, well set with buds.		
12 to 15-in. high,	\$ 7.50 per doz.;	\$ 60.00 per 100
15 to 18 "	9.00 "	70.00 "
18 to 20 "	12.00 "	100.00 "
20 to 24 "	15.00 "	125.00 "
24 to 30 "	24.00 "	



HARDY AZALEA MOLLIS.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

McKellar & Winterson

Wholesale Dealers in Everything for Florists.

Should You Not Receive OUR 1901 CATALOGUE, Write Us for Same.

45-47-49 Wabash Ave., CHICAGO.

Carnation Cuttings...

Ready for immediate shipment. All fine and well rooted.

	Per 100	Per 1000
Mrs. Thos. W. Lawson	\$ 7.00	\$80.00
Sunbeam	10 00	75.00
Prolifica	10 00	75.00
Bon Homme Richard	10 00	75.00
Nydia	10 00	75.00
Marquis	5.00	40 01
Genevieve Lord	4.00	35.00
Ethel Crocker	4.00	35.00
Mrs. Geo. Bradt	3.00	25.00
G. H. Crane	3.00	25.00
Gold Nugget	3.00	25.00
Gen. Maceo	2.00	15.00
Chicago	3.00	20.00
White Cloud	2.00	15.00
Mrs. F. Joost	1.50	12.00
Mrs. J. Dean	2.00	15.00
Jubilee	1.50	12.00
Flora Hill	1.50	12.00
Daybreak	1.50	12.00
Evelina	1.00	8.00
Triumph	1.50	12.00

Chrysanthemum Stock Plants, Philadelphia, Mrs. Robinson, Bonnaillon, October Sunshine, Mme. Bergmann, 60c per doz., \$4.00 per 100. Poinsettia Plants, 50c and \$1.00 per dozen.

JOS. LABO, Joliet, Ill.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.
Please mention the American Florist when writing.

All the New Chrysanthemums,
The Best of the New Carnations,
Many Fine New Geraniums.
A choice list of New Cannas,
Several New Pelargoniums,
The "Queen of Edgely" Rose,

and a complete list of standard sorts, will be offered in our catalogue for 1901. If not received by January 20th, drop us a card. Correspondence solicited.

.....NATHAN SMITH & SON, Adrian, Mich.....

CARNATIONS ROOTED CUTTINGS

We are booking orders now for cuttings at the following prices:

G. H. CRANE	\$25.00 per 1000	WHITE CLOUD	\$12.50 per 1000
MRS. BRADT	25.00 "	FLORA HILL	10.00 "
MADAM CHAPMAN	25.00 "	McGOWAN	10.00 "
DAYBREAK	12.50 "	ELDORADO	10.00 "

We have the largest and finest stock of these varieties to be seen anywhere and will have large quantities of Cuttings during the season. If you are in need of a large lot write me and get special price. Can save you money. We also have the blooms of the above varieties at market quotations. Violet blooms at all times.

Address CHAS. CHADWICK, Grand Rapids, Mich. Lock Box 11

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Utica.

The following is the latest score of the Utica florist bowlers:

Player.	1st	2d	3d	4th	Av
Baker.....	133	139	165	152	147
H. Mathews.....	142	128	141	138	137
Rowlands.....	111	171	126	135	136
Spencer.....	138	107	139	104	122
Wilcox.....	101	125	138	92	114
Day.....	129	106	104	82	105
Hildebrand.....	122	89	102	101	101
McLean.....	108	100	77	87	93

QUIS.

At West Hoboken.

The enthusiastic sporting aggregation whose members make their home on the west side of the Hudson, is keeping industriously at it every Wednesday evening and when they get down to business can show a bunch of expert bowlers that they think able to hold their own anywhere. One result of their growing confidence is a set-to with the New Yorkers, which is planned for the near future. On January 9 the scoreboard was adorned with the following record:

Player	1st	2d	3d	4th
Brown.....	147	157	139	148
M. Hansen.....	126	118	155	137
L. Hansen.....	178	163	145	124
Baumann.....	141	167	112	115
Birnie.....	128	119	115	
Tschupp.....	113	93	98	94
Wache.....	104	132	176	159
Fisher.....		97	92	103
Reickert.....	150	166	117	134

At New York.

On Monday afternoon, January 14, there was a full attendance and an abundance of entertainment and frolic on the bowling alleys. Scores ran pretty high, as the following table shows. Frank Traendly accomplished the feat of beating Theo. Lang's best score of the day. This made him entirely too "chesty" and he narrowly escaped annihilation at the hands of Theo. Roehrs who is an expert in the art of enforcing dignity and order.

Player	1st	2d	3d
Thielmann.....	185	175	170
Hafner.....	134	129	149
Traendly.....	175	195	208
Small.....	171	145	168
Burns.....	167	133	161
Butterfield.....	169	125	82
Shaw.....	112	95	112
Roehrs.....	156	175	122
Loerscher.....		153	199
Sheridan.....		101	132
Moody.....		144	133
O'Mara.....		166	144
Lang.....		207	166
Woerner.....			95 100

At Chicago.

On the evening of January 13 the five Kreitling brothers minus one and reinforced by Charles Hughes fell in defeat before a picked team of florists, as per the following score:

Player	1st	2d	3d	T'1
Asmus.....	168	145	193	506
Balluff.....	136	131	129	396
Degnan.....	141	144	124	409
Hauswirth.....	141	191	122	454
Winterson.....	152	103	141	396
Total.....	738	714	709	2161
Kreitlings.....	561	626	548	1735

On the evening of January 14 the Florists lost three games straight to the

Ansons, the leaders of the Anson league. The following tells the story:

Player	1st	2d	3d	T'1
G. Stollery.....	135	147	192	474
F. Stollery.....	167	157	132	456
Deguan.....	164	152	157	473
Hauswirth.....	131	135	183	449
Balluff.....	151	198	142	491
Total.....	748	789	806	2343
Ansons.....	836	89J	813	2539

Toronto.

THE OLD YEAR WENT OUT BRISKLY AND THE NEW ONE BROUGHT GOOD BUSINESS. —MEETING OF THE CLUB —EXHIBITS, PAPERS AND DISCUSSIONS.—VARIOUS MATTERS OF INTEREST.

The busiest season on record shares itself with two centuries. A good finish and a good beginning has the social world made this time, and trade largely depends upon society's functions. The hall of the season was given at the pavilion on January 11, and most of the gentler sex used a few flowers for adornment. Cut flower stock is of good quality, with enough to go around. Violets and lily of the valley are more plentiful; Beauties are looking well and a good crop is expected in a few days. Bridesmaids are the best at present. Liberty is also picking up but only a few stray blossoms are to be had. Freesias are now in the market, Wm. Mackay being the first to cut them. Jennings, of Brampton, is sending in some good pointsettias, which would have done much better had they not missed the holidays. Dunlop is cutting some fine spikes of Allan's Defiance mignonette.

A meeting of the Florists' Club was held Tuesday evening, and it was pleasing to see so many in attendance. Our

new president officiated, and he was very desirous of arousing more enthusiasm among the craftsmen. He appointed a committee to find some means of making our meetings more interesting. Mr. Dunlop exhibited a fine lot of the newer varieties of carnations which were very creditable to the grower and well deserved the vote of thanks extended to him. Mr. Dunlop and Mr. Vair read papers on the advance of horticulture in the past century. During a discussion after the reading, Mr. Vair, referring to the carnation, said he did not think the advancement on these flowers was what it should have been and referred to Thos. Manton, who gave us a synopsis of what he had read in a florists' or gardeners' book published about 1846, that the carnation should have a stem thirty-six to forty inches long, strong and wiry enough to have the flowers looking at the sun, a bloom three and one-half to four inches across, the side buds to be almost as large as the crown flowers and the penceling of the flowers not to be irregular. This led to other topics and the meeting was very interesting. After the usual business Mr. Mills, who had charge, served refreshments.

Tidy & Son are redecorating their store and Simmons has added some drapery to his furnishings. H. G. D.

HACKENSACK, N. J.—The greenhouses owned by C. W. Petty, operated by Henry Hughes, were damaged by fire on the morning of January 5. An overheated furnace was the cause of the loss, which amounts to \$400 on the stock and \$200 on the buildings, the latter item covered by insurance.

Rooted Carnation Cuttings

No better Carnation Blooms were ever offered in the Chicago market than those we are shipping out this season. Our plants are in perfect health and every cutting offered is well rooted and in first-class condition. We have all the fancy sorts.

The Sport, Pink	Per 100	Per 1000	Argyle	Per 100	Per 1000
Armazindy.....	\$8.00	\$50.00	Triumph.....	\$1.50	\$12.50
Mrs. Lawson.....	6.00	50.00	Frances Joost.....	1.50	12.50
The Marquis.....	4.00	35.00	Gov. Griggs.....	1.50	12.50
Genevieve Lord.....	4.00	35.00	Melba.....	1.50	12.50
Ethel Crocker.....	4.00	35.00	Edna Craig.....	1.50	12.50
Peru.....	4.00	35.00	Flora Hill.....	1.50	12.50
G. H. Crane.....	3.00	25.00	White Cloud.....	1.50	12.50
America.....	2.50	20.00	Daybreak.....	1.50	12.50
Mrs. Geo. M. Bradt.....	2.00	17.50	Evelina.....	1.00	7.50
Chicago (Red Bradt).....	2.00	17.50	McGowan.....	1.00	7.50
Cerise Queen.....	1.50	12.50			
Evanson.....	1.50	12.50			

WIETOR BROS., Wholesale Growers of Cut Flowers,
51 Wabash Ave., CHICAGO, ILL.

Rooted Cuttings Carnations and Roses.

CARNATIONS.					
	Per 100	Per 1000			
CRANE.....	\$3.00	\$25.00	ARMAZINDY.....	1.25	10.00
BRADT.....	2.50	20.00	TIDAL WAVE.....	1.50	12.50
EVANSTON.....	2.00	17.50	WM. SCOTT.....	1.25	10.00
JOOST.....	1.25	10.00	ETHEL CROCKER.....	4.00	35.00
WHITE CLOUD.....	1.25	10.00	MARQUIS.....	4.00	35.00
FLORA HILL.....	1.25	10.00	GENEVIEVE LORD.....	4.00	35.00
DAYBREAK.....	1.50	12.50	MRS. LAWSON.....	5.00	45.00
TRIUMPH.....	1.50	12.50	IRENE..... Per doz.,	\$1.50; 10.00	75.00
ROSES.					
KAISERIN.....	\$1.50	\$12.50	BRIDE.....	1.50	12.50
LA FRANCE.....	1.50	12.50	BRIDESMAID.....	1.50	12.50
METEOR.....	1.50	12.50	GOLDEN GATE.....	1.50	12.50
PERLE.....	1.50	12.50			

These cuttings are all well-rooted, guaranteed free from any disease, carefully packed.
GEORGE REINBERG, 51 WABASH AVE., CHICAGO.

Fancy Carnations



We offer choice Rooted Cuttings, first-class in every way. The quality of our plants has gained a reputation among the highest in this country.

PINK.			WHITE.			RED.		
	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
Mrs. Thos. W. Lawson.....	\$7.00	\$60.00	White Cloud	\$2.00	\$15.00	G. H. Crane	\$3.00	\$25.00
Ethel Crocker.....	4.00	35.00	Mary Wood	2.00	15.00	America	3.00	25.00
Mrs. F. Joost.....	2.01	15.00	Peru.....	2.00	15.00	VARIEGATED.		
Triumph	1.50	12.00	Flora Hill.....	1.50	12.00	Olympia.....	5.00	40.00
YELLOW.			MAROON.			Mrs. G. M. Bradt.....	3.00	25.00
Gold Nugget	3.00	25.00	Gen. Maceo.....	2.00	15.00			

Rooted Rose Cuttings. Brides, Bridesmaids and Meteors, \$1.50 per 100.

ALL CUTTINGS SHIPPED FROM GREENHOUSES.

Don't fail to send us your name to place on our mailing list for our Florists' Price List, issued weekly. :: ::

...BASSETT & WASHBURN

STORE: 76 Wabash Ave., Chicago.

GREENHOUSES: Hinsdale, Ill.

Rooted Carnation CUTTINGS.

THIS stock is strictly first-class in every respect, free from disease and will be thoroughly rooted when sent out. We guarantee them to be as represented. Money refunded if not satisfactory.

Sport, Pink	Per 100	Per 1000
Triumph.....	1.50	12.50
Flora Hill.....	1.50	12.50
White Cloud.....	1.50	12.50
Evanston.....	1.50	12.50
Armazindy.....	1.00	7.50
Portia.....	1.00	7.50
Wm. Scott.....	1.00	7.50
McGowan.....	1.00	7.50
Evelina.....	1.00	7.50
Kohinoor.....	1.00	7.50

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

The Largest Fancy Carnation. Ready March 1st. -PROSPERITY-

ALL ORDERS FILLED IN STRICT ROTATION.

Prices for Rooted Cuttings.

1 Plant.....	\$.50	250 Plants.....	\$ 37.50
12 Plants.....	5.00	500 Plants.....	70.00
25 Plants.....	8.25	750 Plants.....	101.25
50 Plants.....	10.00	1000 Plants.....	130.00
100 Plants.....	16.00		

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., = Flatbush, N. Y.

Ethel Crocker

WHEN store men telegraph that they must have some Crocker for their customers, and commission men beg for consignments, in spite of the fact that there are plenty of other pinks on the market, it is a pretty sure sign that Crocker has some points of merit distinctive from the others and that there is an unfiled demand for the flowers. With the largest stock of this variety grown by any one grower in the country I can fill your orders with carefully selected cuttings, at

\$4 per 100 or \$30 per 1000.

SEND FOR LIST OF OTHER VARIETIES.

ALBERT M. HERR
LANCASTER, PA.

DAISIES,

hardy, large plants, Snowball, Longfellow, 40c per 100; \$2.50 per 1000.

FORGET-ME-NOT, fine clumps, 75c per 100; \$5.00 per 1000.

MIGNONETTE (Allen's Defiance), large plants out of 2 1/2-inch \$2.50 per 100.

J. C. Schmidt, Bristol, Pa.

It is good business policy to mention the

...American Florist

when you write to an advertiser.

Rooted.. Cuttings

Roses, American Beauty.....	\$3.00 per 100
" Bride	1.00 per 100
" Maid	1.00 per 100
" Perle	1.00 per 100
Coleus, Verschaffeltii and Golden Bedder,	
50c per 100, \$4.00 per 1000	
" mixed vars., 50c per 100, 4.00 per 1000	
Salvia Splendens....	60c per 100, 5.00 per 1000
Heliotrope	50c per 100, 4.00 per 1000
Marguerites.....	60c per 100, 5.00 per 1000

POT PLANTS.

Dracaena Indivisa, 4-inch	\$15.00 per 100
Poinsettia, from bench, 1 year ...	3.50 per 100
" " " 2 " "	5.00 per 100
Ferns, assorted, 2-inch.....	3.00 per 100
Vinca Variegata, 2 sorts, 4-inch,	5.00 per 100
" " " 3 " "	3.00 per 100
Asparagus Plumosus, 4-inch	6.00 per 100

JOHN IRVINE & SONS,

817 Washington Ave.,
BAY CITY, MICH.

XXX STOCK.

Cyclamen Persicum Splendens Giganteum, fine plants in bud and bloom, from 4-in. pots, \$1.50 per doz., \$12.00 per 100; from 3-in. pots in bud, \$7.00 per 100.

Begonia Rex, in 15 leading vars., plants from 2 1/2-in. pots, labeled, \$5.00 per 100; my selection, \$4.00 per 100; well-rooted cuttings, labeled, \$2.00 per 100; mixed, \$1.50 per 100.

solicit your patronage and guarantee satisfaction.
PAUL MADER, E. STROUDSBURG, PA.

"Hoosier Maid,"

The great midwinter blooming Carnation, large, pure white flowers on strong stem. Ready Feb. 15.

\$1.50 per doz., \$10 per 100, \$80 per 1000.

A. RASMUSSEN, New Albany, Ind.

THE BIG FOUR.

OUR INTRODUCTIONS OF NEW CARNATIONS
 FOR 1901.

- Sunbeam:** Extra bright flesh pink, early free and continuous bloomer. Flowers of good form and size, borne on long stiff stems. Per doz. \$1.50 Per 100 \$10 Per 1000 \$75
- Bon Homme Richard:** White, extra-ordinary free bloomer; fine form, good size. Stems 2½ to 3 feet long. Per doz. \$1.50 Per 100 \$10 Per 1000 \$75
- Nydia:** Variegated, salmon stripe on white ground. Quick seller, extremely tree bloomer, fine form and stiff stem. Per doz. \$1.50 Per 100 \$10 Per 1000 \$75
- Prolifica:** Cerise pink. Very long, stiff stems, large flowers, and as its name indicates, an extra free bloomer. First lot ready Feb. 1, of the above four vars. Per doz. \$1.50 Per 100 \$10 Per 1000 \$75

OTHER VARIETIES.

	Per 100	Per 1000
Mrs. Thos. W. Lawson... cerise pink	\$6.00	\$50.00
Olympia... variegated	5.00	40.00
Marquis... pink	5.00	40.00
Genevieve Lord... "	5.00	40.00
Ethel Crocker... "	4.00	35.00
Morning Glory... light pink	4.00	35.00
Mrs. Geo. M. Bradt... variegated	3.00	25.00
G. H. Crane... scarlet	3.00	25.00
Chicago... "	3.00	25.00
Gold Nugget... yellow	3.00	25.00
Gen. Maceo... crimson	2.00	15.00
Gen. Gomez... "	2.00	15.00
White Cloud... white	2.00	15.00
Mrs. Frances Joost... pink	2.00	15.00
Mrs. Jas. Dean... "	2.00	15.00
John Young... white	1.50	12.00
Flora Hill... "	1.50	12.00
Argyle... cerise pink	1.50	12.00
Daybreak... light pink	1.50	12.00
William Scott... pink	1.00	8.00
Armazindy... variegated	1.00	8.00

ALL ROOTED CUTTINGS NOW READY. WRITE FOR DESCRIPTIVE CATALOGUE. LET US FIGURE ON YOUR WANTS.

CHICAGO CARNATION COMPANY - Joliet, Illinois.

Please mention the American Florist when writing.

Forcing Plants

AZALEA INDICA. See former issues.	Per 100
Spiraea Japonica	\$ 3.50
" Compacta	4.00
" Astiloides Floribunda	4.00
" Plumosa Alba (new)	15.00
" Palmata, scarlet	5.00
" " Elegans	5.00
" " Alba	5.00
Dielytra Spectabilis (Bleeding Heart)	5.00
Paconia Officialis rubra pl	8.00
" " alba plena	20.00
" Tenuifolia fl. pl	18.00
MONTHLY ROSES, Hermosa, pink	10.00
" " Agrippina, dark red	10.00
" " Clothilde Souper	12.00
H. P. Roses, low budded, leading kinds	10.00
Crimson Rambler, extra strong	15.00
Hydrangea Otakaa, 4-6 shoots	12.00

BOBBINK & ATKINS, Rutherford, N. J.

Florists all over the country are quickly discerning the

Commercial Value of The Lawson Carnation.

The demand will be heavy this season. My stock is in excellent condition, clean and healthy. Rooted cuttings ready now, or for later delivery.

PRICE, Per 100\$7.00
 Per 1000.....\$60.00

TERMS STRICTLY CASH from unknown parties. Send ALL ORDERS DIRECT TO

PETER FISHER,
 Ellis, Mass.

COLEUS, Rooted Cuttings.

VERSCHAFFELTII, 60c per 100,
 GOLDEN BEDDER, \$5 per 1000,
 QUEEN VICTORIA,
 FIRE BRAND,

G. OTTO SCHWABE, Jenkintown, Pa.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock
 In the world.

SANDER ST. ALBANS, ENGLAND and
 BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

172,000 Rooted Cuttings

READY TO SHIP. WE ROOT 10,000 A WEEK.

	Per Doz.	Per 100	Per 1000
A. Mitting, light cream, 3½-inch bloom	\$1.50	\$10.00	\$75.00
Mrs. A. Mitting, clear pink, 3½-inch bloom	1.50	10.00	75.00
De Roo Mitting, white, 3 inch bloom	1.50	10.00	75.00
Sunbeam, light pink, C. C. Co.	1.50	10.00	75.00
Bon Homme Richard, white, C. C. Co.	1.50	10.00	75.00
Nydia, variegated, C. C. Co.	1.50	10.00	75.00
Prolifica, cerise pink C. C. Co.	1.50	10.00	75.00
Lorna, pure white, Dorner	1.50	10.00	75.00
Merald, salmon pink, Dorner	1.00	6.00	50.00
Irene, pink, Crab & Hunter	1.50	10.00	75.00
Sport from Victor and Armazindy, Hill	1.50	10.00	75.00
California Gold, Hill	1.50	10.00	75.00
Queen Louise, white, J. L. Dillon	1.50	10.00	75.00

	Per 100	Per 1000
Mrs. Thos. W. Lawson... pink	\$5.50	
Olympia... variegated	4.00	
Genevieve Lord... pink	4.00	
E. Crocker... pink	3.00	
Morning Glory, the coming Daybreak	3.00	
Mrs. G. M. Bradt... variegated	2.00	
G. H. Crane... scarlet	2.00	
Chicago... "	2.50	
America... "	2.00	
Golden Nugget... yellow	2.50	
Gen. Maceo... red	1.50	
Gen. Gomez... "	1.25	
White Cloud... white	1.25	
Mrs. Joost... pink	1.25	
Flora Hill... white	1.20	
Argyle... pink	1.20	
Daybreak... shell pink	1.20	
Wm. Scott... pink	.85	
Armazindy... variegated	.85	
Melba... light pink	1.25	
Mary Wood... white	1.50	
Peru... "	2.50	
Mrs. Bartlett... scarlet	3.00	

6 at 12 rate; 25 at 100 rate; 250 at 1000 rate. We guarantee them to reach you in A. No. 1 condition. If not satisfactory return at once at our expense.

.....PLANTS.....

	Per 100	Per 1000
Asparagus Plumosus Nanus, 3½-in.	\$5.00	
True Boston Fern, 3½-in.	5.00	
True Boston Fern, extra strong, 2¼-in.	3.00	
20,000 Alternantheras, red, also pink, strong, 2½-in.	1.50	
10,000 Sedum variegatum, 2¼-in.	1.50	
10,000 Cigar plants, 2¼-in.	1.50	
10,000 M. Louise violets, 2¼-in.	1.50	
30,000 Coleus, 10 named varieties, 2¼-in.	1.50	
5,000 Californian Moss, for baskets, 2¼-i	1.50	
5,000 Choice Mixed Geraniums, 2¼-in.	1.50	
5,000 Jerusalem Cherries, 2¼-in.	1.50	
1,000 Vinca variegatum, 2¼-in.	1.50	

25 Plants at 100 rate. Cash or C. O. D.

THE MORRIS FLORAL CO., Morris, Ill.

NEW ROSE

Robert Scott,

EVERYBODY'S ROSE. Send for Price List.

Robert Scott & Son, Sharon Hill, Del. Co., Pa.

New Carnation ELENOR AMES.

The best deep pink Carnation ever introduced. Deeper color, larger flowers, stronger grower and produces more blooms per plant than its parent, Wm. Scott. Does not burst. A continuous bloomer. Has been grown for five years. Plants free from all disease. Rooted cuttings ready February 1, \$1.50 per doz., \$10 per 100, \$75 per 1000.

D. CARMICHAEL, Wellesley, Mass.

Please mention the American Florist to our advertisers.

Madison, N. J.

The annual smoker of the Morris County Gardeners' and Florists' Society on the evening of January 9 was an unqualified success and the seventy-five gentlemen who were in attendance have all been saying to their friends ever since, "You don't know what you missed." Beyond a doubt this very enterprising organization understands the art of social intercourse and entertainment as well as its members understand their business, and those who were fortunate enough to see the great prize winning groups of plants staged by Morris county gardeners at the convention in New York last year know what that means.

There was first a business meeting at which the year's work was reviewed, officers' reports presented, etc., all indicating a high degree of prosperity. Then followed the presentation of a gavel to President Duckham, who has been honored with a re-election. After this pleasant little episode the fun began and while the entertainment was going on refreshments were dispensed with a liberal hand. The company included a number of visitors from New York, Orange and other neighboring towns.

NEWPORT, R. I.—Henry Hass will take possession of Mr. McLellan's present stand, Nuss & Atwater moving into the room now occupied by Mr. Hass.

CHARLESTON, W. VA.—The eighth annual meeting of the State Horticultural Society will be held here January 29 and 30. An elaborate programme has been prepared by Secretary J. B. Garvin of this city.

Bred in Old Kentucky.

	Pots.	100	1000
Geraniums, Bruanti and mixed, 2½ in.		\$2.00	\$18.00
Acalypha		2.00	18.00
Rose Geranium		2.00	18.00
Heliotrope, 3 varieties		2.00	18.00
Coleus, 12 varieties		1.50	12.50
Salvia (St. Louis)		1.50	12.50
Lantana, 6 vars. in bloom		1.25	10.00
Double White Petunias		2.50	22.50

ROOTED CUTTINGS.

Alternanthera, red	100	\$.50
Alyssum, double		.75
Geraniums, mixed		1.25

C. L. BRUNSON & CO., Paducah, Ky.

No more of either of the Lorraine Begonias to offer until next June.

BOSTON FERNS,

3-inch pot plants, \$75.00 per 1000.

EDWIN LONSDALE,

WYNDMOOR, (near Phila.), PENNA.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clarendon Ave., CHICAGO, ILL.
(N. Halsted St.)

Rooted Cuttings.

CARNATIONS and ROSES, Select stock. Lowest wholesale prices. Write to

W. H. CULLETT & SONS, Lincoln, Ill.

MRS. FISHER CARNATIONS

For summer flowering, well-rooted cuttings, \$8.00 per 1000.

ANDREW CHRISTENSEN, Stoneham, Mass.

Rose Cuttings!

ROOTED ROSE CUTTINGS.

Brides	100	1000
Bridesmaids	\$1.50	\$12.50
Meteora	1.50	12.50
Perles	1.50	12.50
Golden Gate	1.50	12.50

Carnation Cuttings!

CARNATION ROOTED CUTTINGS.

Mrs. Thos. W. Lawson	100	1000
The Marquis	\$7.00	\$60.00
Estelle	7.00	50.00
Genevieve Lord	5.00	40.00
Ethel Crocker	5.00	40.00
Olympia	5.00	40.00
G. H. Crane	3.00	25.00
Mrs. George M. Bradt	3.00	25.00
Gen. Gomez	3.00	25.00
America	3.00	25.00
Mabel	3.00	25.00
Elsie Ferguson	3.00	25.00
Gold Nugget	3.00	25.00
Pingree	3.00	25.00
Mrs. James Dean	2.00	15.00
Mrs. Frances Joost	2.00	15.00
Genesee	2.00	15.00
Mary Wood	2.00	15.00
John Young	2.00	15.00
John Hinkle	2.00	15.00
Dorothy Sweet	2.00	15.00
Jubilee	2.00	15.00
Gen. Maceo	2.00	15.00
White Cloud	2.00	15.00

Lady Dorothea	100	1000
Kaiserin	\$1.50	\$12.50
Maman Cochet	1.50	12.50
American Beauty	3.00	25.00

Leslie Paul	100	1000
Gov. Griggs	\$2.00	\$15.00
Albertina	2.00	15.00
Dawu	2.00	15.00
Argyle	2.00	15.00
Eldorado	2.00	17.00
Melba	2.00	17.00
Victor	1.50	12.50
Triumph	1.50	12.50
Daybreak	1.50	12.50
Ivory	1.50	12.50
Evelina	1.50	12.50
Flora Hill	1.50	12.50
Cerise Queen	1.50	12.50
Meteor	1.50	12.50
Armazindy	1.50	12.50
Iris Miller	1.50	12.50
Glazier	1.50	12.50
Sandusky	1.25	10.00
William Scott	1.25	10.00
Evanston	1.00	8.00
Tidal Wave	1.00	8.00
Portia	1.00	8.00
Lizzie McGowan	1.00	8.00
Psyche	1.00	7.50

We offer only choice Rooted Cuttings, first-class in every respect, true to name. 25 at 100 rates; 250 at 1000 rates. Write for catalogue and complete list of Carnations and Roses, rooted cuttings and in pots.

Do you receive our weekly price list? If not, write us; we will place your name on our mailing list.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

New Carnations, Rooted Cuttings.

PROSPERITY (668). Each, 50c; 12 for \$5.00; 25 for \$8.25; 50 for \$10.00; 100 for \$16.00; 250 for \$37.50; 500 for \$70.00; 750 for \$101.25; 1000 for \$130.00.

Queen Louise	doz.,	\$1.50	100,	\$10.00	1000,	\$75.00
Dorothy	"	1.50	"	10.00	"	75.00
Irene	"	1.50	"	10.00	"	75.00
Roosevelt	"	2.50	"	12.00	"	100.00

New Chrysanthemums.

Ready April 1st. Each, 50c; doz., \$5.00; 100, \$30.00. Mrs. Elmer D. Smith, the best new yellow; Omega, Chestnut Hill, Timothy Eaton, Yanariva.

Carnations.

Strong plants transplanted into soil and flats. Every one sure to grow. Sorts marked * ready now in soil.

*Marquis	100	1000	100	1000	
Mrs. Thos. W. Lawson	\$5.00	\$40.00	\$1.75	\$15.00	
*Estelle	7.00	60.00	*Wm. Scott	1.50	12.00
*Ethel Crocker	7.00	60.00	Mrs. Geo. M. Bradt	4.00	30.00
*Genevieve Lord	5.00	40.00	Gold Nugget	4.00	30.00
*Morning Glory	5.00	40.00	Chicago	4.00	30.00
*G. H. Crane	4.00	35.00	Gen. Maceo	3.00	25.00
*America	3.00	25.00	Gen. Gomez	3.00	25.00
*White Cloud	3.00	25.00	Daybreak	2.00	15.00

THE GRAND NEW PINK GERANIUM Jean Viaud.

Doz., \$1.25; per 100, \$10.00. 2-inch pots.

Cannas.

All the Novelty and Standard kinds in large quantities, dormant roots. Write for prices.

14 BARCLAY STREET, NEW YORK. VAUGHANS' SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO. GREENHOUSES, WESTERN SPRINGS, ILL.

Crimson Rambler Roses.

These Roses have fibrous roots and are particularly well adapted for potting and forcing.

2 to 2½ ft, \$10 per 100; 3 to 3½ ft., \$12 per 100; 3½ to 5 ft., \$15 per 100.

CANNAS

Write for Price List of nine new varieties.

The CONARD & JONES CO., West Grove, Pa.

NEW CARNATIONS

For 1901.

	Per 100	Per 1000
Lorna, white.....	\$10.00	\$75.00
Mermaid, salmon pink, a good summer blooming Caronation.....	6.00	50.00
Roosevelt (Ward) crimson.....	12.00	100.00
Novelty (Ward) lemon yellow, edged pink.....	12.00	
Golden Beauty (Ward) lemon yellow	12.00	
Prosperity (Dailedouze) white overlaid pink.....	16.00	130.00
Irene, Dorothy, Norway and Egypt,	10.00	75.00

We are booking orders now for delivery as soon as ready.

THE 1900 NOVELTIES—Morning Glory and Ethel Crocker, \$4 per 100, \$30 per 1000; Lawson, \$7 per 100, \$60 per 1000; G. Lord, \$6 per 100, \$50 per 1000; Marquis, Olympia and Peru, \$5 per 100, \$40 per 1000.

Also G. H. Crane, White Cloud, Bradt and the other good standard sorts. We make a specialty of Rooted Cuttings.

F. DORNER & SONS CO.,

LAFAYETTE, IND.

Rooted Cuttings Carnations

	Per 100	Per 1000
Mrs. Lawson.....	\$6.00	\$40.00
The Marquis.....	4.00	30.00
Ethel Crocker.....	2.50	20.00
Mrs. Bradt.....	1.50	12.50
Joost.....	1.50	12.50
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.50
Triumph.....	1.50	12.50
Jubilee.....	1.50	12.50
Daybreak.....	1.50	12.50
Armazindy.....	1.50	12.50
Mrs. Jas. Dean.....	1.50	12.50
Wm. Scott.....	1.00	7.50
Thos. Cartledge.....	1.00	7.50
Red Jacket.....	1.00	7.50
Victor.....	1.00	7.50
McGowan.....	1.00	7.50

From stock absolutely free from stem rot or other disease.

STOCK CHRYSANTHEMUMS.

Chadwick, Xenon, Nagoya, Lucie Faure, 10c each, \$1.00 per dozen.
Queen, Yellow Queen, Bloodgood, Modesto, 75c per dozen.

F. E. SHAW, 326-28 Sunsel Av. UTICA, N. Y.

100,000 R. C. Carnations Ready to Ship.

	Per 100	Per 1000
Mrs. Thos. Lawson, pink.....	\$6.00	\$58.00
Genevieve Lord, light pink.....	4.00	38.00
Ethel Crocker.....	4.50	30.00
Morning Glory, shell.....	3.00	25.00
Mrs. F. Joost, pink.....	1.50	12.50
Argyle, dark pink.....	1.50	12.50
Daybreak, shell.....	1.50	12.00
William Scott.....	1.00	8.00
G. H. Crane, scarlet.....	2.50	20.00
Chicago.....	3.00	25.00
America, scarlet.....	2.50	20.00
Peru, white.....	3.00	25.00
Melba, light pink.....	1.50	12.50
Gen. Maceo, crimson.....	2.00	15.00
Gen. Gomez.....	1.75	13.00
Olympia, variegated.....	5.00	40.00
Mrs. G. M. Bradt.....	3.00	25.00
Armazindy.....	1.00	8.00
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.00
Mary Wood, white.....	2.00	18.00
Gold Nugget, yellow.....	3.00	25.00

CASH WITH ORDER.

H. E. MITTING, Mgr. Fort Dodge Greenhouse Co. FORT DODGE, IA.

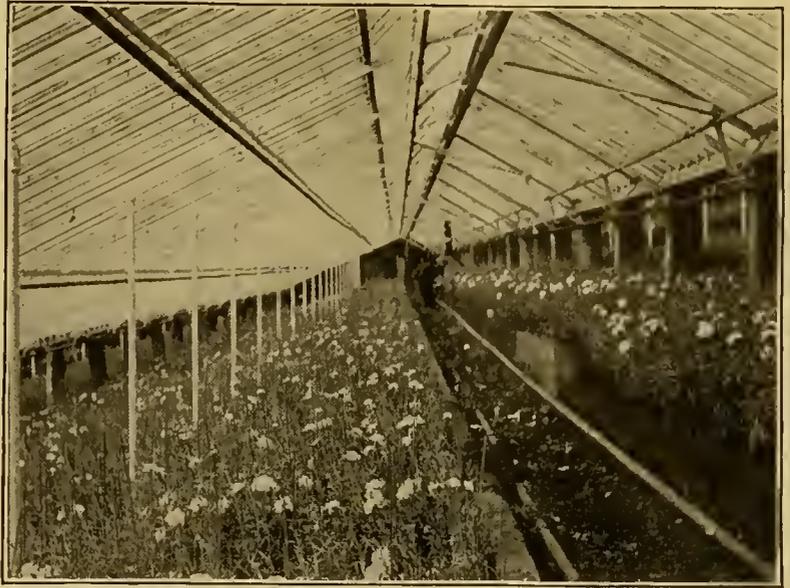
ROOTED CUTTINGS CARNATIONS.

Ethel Crocker.....	100, \$4.00;	1000, \$30.00
White Cloud.....	" 2.00;	" 15.00
Alaska (white).....	" 1.00;	" 7.50

ROSES.

Golden Gate.....	100, \$2.50;	1000, \$20.00
Bride.....	" 1.50;	" 12.50
Bridesmaid.....	" 1.50;	" 12.50

GEO. HARRER, Morton Grove, Ill.



FROM PHOTOGRAPH OF QUEEN LOUISE TAKEN OCT. 28th, 1900.

QUEEN LOUISE CARNATION

This new Carnation produces the finest flowers, is perfectly healthy and is the best white variety ever introduced.

IT BLOOMS EARLY — IT BLOOMS LATE — IT BLOOMS ALL THE TIME.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November. No other Carnation can stand such a test.

Prices on Application.

Rooted Cuttings ready February 15th. Come and see it or send for circular.

J. L. DILLON, Bloomsburg, Pa.

Norway

LARGE COMMERCIAL WHITE CARNATION. We are pleased to announce to the trade that we have in Norway a commercial white that combines size with productiveness, and therefore must of necessity be a money making carnation. It is exceptionally healthy and vigorous in growth, is not subject to spot and is entirely free from rust. Stem is always strong at any season of the year. Flowers open rapidly, and is a keeper of the first water. In short it is the white carnation the trade has been looking for for a long time. We recommend it as the best money making white carnation ever offered.

Egypt

A RICH, SCARLET CRIMSON. A radical departure from all other crimson now on the market. Color is unsurpassed in this class; size of bloom 3 inches and over. It has moderate commercial stems 2 1/4 to 3 feet, and extra strong. It has also a strong spicy odor. In these two points it excels all other crimson. In growth it is healthy and vigorous; is in good flower by November 1 to 15, always commands a high price. It is so distinct that every grower will need it. It is the best keeper of all the dark varieties, a strictly high grade flower that sells at sight.

Price for the above two varieties, \$1.50 per doz., \$10 per 100, \$75 per 1000. Ready February 15th.

Genevieve Lord

THE GREATEST MONEY MAKING PINK CARNATION EVER INTRODUCED. Since making her entree last February, Genevieve Lord has acquired a host of staunch friends. We have been congratulated by large and small growers alike on its good behavior and money earning capacity. It has thus far proved our every claim for it, and bids fair to outdo in every particular the old favorite, Wm. Scott. Our stock is in extra fine shape; free from all disease. Ready now. All orders booked and shipped in strict rotation. A good thing is soon exhausted; don't wait, but place your order at once. Price \$6 per 100, \$50 per 1000.

Also Mrs. T. W. Lawson, Marquis, Estelle, Crocker, Olympia, Morning Glory, J. Whitcomb Riley and the best standard sorts. Correspondence invited.

We have a large stock of TIMOTHY EATON CHRYSANTHEMUM, also all other new and standard varieties. Write us for anything you may want. Our plants have an enviable reputation.

H. WEBER & SONS, Oakland, Md.

Rooted Cuttings of Roses

Brides, Maids, Perles, Meteors, Pres. Carnot, American Beauties, Woottons, G. Gate, etc. A bargain in Perles in 2 in. pots ready for a shift.

COLEUS,
Best bedding varieties, rooted cuttings.
BOSTON FERNS. Write
GEO. A. KUHL, PEKIN, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Strong Rooted Carnation Cuttings,

strictly free from disease. White Cloud, Sunrise, Armazindy, Goliath, Bradt, America, Lizzie McGowan, Firey, Flora Hill, Gen. Maceo, Daybreak, Elsie Ferguson, Genevieve Lord, Ethel Crocker, Miller, Wm. Scott, James Dean, Uncle Sam.

Prices on application. Write us your wants and we will quote you common sense prices.

Gaskill's Greenhouses, 212 N. Tod Ave, Warren, O.

We are booking orders for Rooted Cuttings of

CARNATIONS,

All the best varieties. Write us.
GEO. HANCOCK & SON, Grand Haven, Mich.

Albany, N. Y.

W. C. King, who has lately assumed charge of the establishment at 30 North Pearl street, formerly conducted by Samuel Goldring, is busily engaged in making improvements. Carpenters are at work fitting up a store and packing room about thirty feet square in the rear of his main floor. Other improvements including an ice chest with French plate glass mirrors will be introduced shortly. Mr. King reports that business has been excellent during the past month.

H. G. Eyres has opened a neat flower stand, in connection with his Pearl street store, in the new Union Station which has just been erected in Albany. The booth is the only one of the kind in the handsome new structure and is another evidence that Brother Eyres is wide awake and up-to-date.

F. M. Orcutt, of Boston, representing John C. Meyer & Co., was in town a few days ago and "Mr. Barclay of Barclay street," who represents Vaughan's New York store was welcomed by several of the local florists during the past week.

R. D.

Troy, N. Y.

Mrs Herman Leiderly, who for a short time conducted the floral establishment of her husband after his death, has sold the property to persons who will erect dwelling houses upon the site. Two of the greenhouses have already been demolished and the work of removing the others is under way.

Walter Mott, with Henry A. Dreer, Philadelphia, visited the members of the trade during the past week.

Trade is very quiet, being confined largely to funeral work and minor orders.

R. D.

150,000 STOCK PLANTS and ROOTED CUTTINGS

Now ready for immediate delivery

At Popular Prices.

ROSES—Brides, Bridesmaids, Meteor, Perle, Kaiserin and Golden Gate. Big strong rooted cuttings \$1.50 per 100; \$12.50 per 1000. Any quantity from now on.

CARNATIONS—Strong healthy cuttings, well rooted, in any quantity, embracing the 25 choicest varieties in cultivation. See our list and prices.

GERANIUMS—Bruanti, Heteranthe, Graot, S. A. Nutt, Beaute Poltevine, Mrs. E. G. Hill, Athlete, LaFavorite, White Swan, Mrs. J. M. Garr, Mme. Jaulin, Frances Perkins and other varieties, strong 2½-inch plants \$2.50 per 100; \$22.50 per 1000.

COLEUS—Our champion collection, embracing the newest sorts and only those of decided merit. All bright colors, clean and healthy. Strong plants, from 2¼-inch pots \$1.50 per 100. Strong rooted top cuttings, fine ones, ready for 2¼-inch pots, 75 cents per 100; \$6.00 per 1000.

VERBENAS—New Mammoth and 20th Century Collection, 25 grand sorts, 2-inch and 2¼-inch, strong, healthy plants green as grass, full of cuttings, \$2.00 per 100; \$18.50 per 1000. Rooted cuttings, big ones, as clean as a whistle, 60 cents per 100; \$5.00 per 1000.

PETUNIAS—Double Fringed, Henderson's and Dreer's latest sorts, including also White Fawn, Mrs. Sander and Pink Perfection. Large rooted cuttings ready for 2¼-inch pots, \$1.25 per 100 by mail; \$10.00 per 1000 by express. Pure white only, \$1.50 per 100.

NEW AGERATUMS—Stella Gurney, the grand novelty of 1900, and Snow Drift, the peerless white, strong 3-inch stock plants full of cuttings, 50c per dozen; \$3.00 per 100. Strong rooted cuttings \$1.00 per 100. Louise Bonnat, latest novelty in white, and Princess Pauline, latest blue, strong 2¼-inch, \$1.50 per 100; strong R. C., 60c per 100, (special).

NEW SALVIAS—St. Louis and Splendens, strong 2¼-inch, \$1.50 per 100; strong R. C., 75c per 100, (special).

MARGUERITES—New California Giant White and New Golden, strong R. C., \$1.00 per 100.

CASH WITH ORDER.

South Side Floral Co., Springfield, Ill.

REPORT OF THE JUDGES

Appointed by THE PHILA. FLORISTS' CLUB to judge our grand new ROSE

Queen of Edgely, PINK..... AMERICAN BEAUTY.

"We are convinced that this variety is a valuable addition to the list of forcing roses, being in every respect, except color, the exact counterpart of the American Beauty. The color is a beautiful, bright pink, which is good, even in the full flowers. The fragrance is also as fine as that of Beauty, and the exhibited blooms showed remarkable vigor. (Signed),

ROBERT KIFT, WM. MUNRO, JOS. HEACOCK."

The last two named were winners of first prizes for American Beauties at the Rose Show, Eden Musee, March 27, 1900.

FOR TERMS AND BOOKLET: ADDRESS

R. CRAIG & SON, East Agts., 49th and Market Sts., Phila.
E. G. HILL & CO., West Agts., Richmond, Ind.

THE FLORAL EXCHANGE, Inc. 335 N. Sixth St., PHILADELPHIA, PA.

H. P. ROSES.

2-year-old stock now ready, in 15 best kinds.

Budded..... Per 100, \$11.00. Own Roots..... Per 100, \$13.00.

MRS. SHARMAN CRAWFORD..... } Strong, budded stock,
KAISERIN AUGUSTA VICTORIA..... } \$15 00 per 100.
MADAM CAROLINE TESTOUT..... }
AMERICAN BEAUTY..... }

CRIMSON RAMBLERS.

Own roots, well branched..... Per 100, \$15.00
2 year, budded, 3-4 feet, well branched..... " 15.00
3 year, budded, 4-5 feet, well branched..... " 18.00
3 year, O. R. 3-4 feet, well branched..... " 18.00
White, Pink and Yellow Ramblers, 2 year, strong..... " 15.00
HERMOSA ROSES, 3 year, Holland grown..... " 13.00
" 2 year, French grown..... " 8.00

Hardy Azalea Amœna, fine for Easter Forcing, 12-inch heads..... Per dozen, \$5.00
Azalea Mollis, 15-20 buds..... " 4.00
Deutzia Hybrida Lemoinei, dormant, pot-grown, for forcing..... Per 100, \$20.00, " 3.00
Deutzia Gracilis, for forcing..... " 10.00
Hydrangea P. G., 3-4 feet, well branched..... " 10.00

PARSON'S RHODODENDRONS. Best named sorts for forcing.
bushy plants with 8 to 12 buds, in any color..... Each, 75 cts. " 8.00
Clematis Jackmanni and others, 2 year..... " 3.00

LILACS, pot-grown, for forcing, strong plants, 7-inch pots, 18-24 inches high, well branched and full of buds, in two sorts, Charles X, and Marie LeGray..... Each, 75 cts. " 7.50

BOX TREES.

Beautiful, Shapely Plants in fine condition. Each. Dozen.

Plants, bush form, 12-15 inches high, 6-7 inches in diameter..... \$.25 \$ 2.50
" 26-28 " 12-14 " " .50 6.00
" 4 feet high " 24-30 " " very fine " 2.00 24.00
Pyramid shape, 4 " 18 20 inches at base..... 3.00 24.00

Vaughan's Seed Store,

Greenhouses, Western Springs, Ill. 84-86 Randolph St., CHICAGO.

XXX SEEDS

VERBENA GRANDIFLORA—Finest Giant vars. grown, in best mixture, 1,000 sds., 50c.
CHINESE PRIMROSE—Finest known, large flowering fringed, fifteen vars., single and double, mixed; 500 seeds \$1.00; half pkt., 50c.
PANSY, FINEST GIANTS—Extra fine; the best of the mammoth flowering varieties, mixed; 3500 seeds, \$1.00; half pkt., 50c.

JOHN F. RUPP, Shiremanstown, Pa. The Home of Primroses.

Orchids!

We have always on hand a very large and fine stock of established and unestablished Orchids. A number of varieties now in sheath and spike. Correspondence solicited.

LAGER & HURRELL, SUMMIT, N. J. Orchid Growers and Importers.

Hardy Herbaceous AND Alpine Plants. Field-Grown

A Complete Assortment of Old and New Vars. The Blue Hill Nursery, So. Braintree, Mass. CORRESPONDENCE SOLICITED.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.



VERBENA KING.

Express prepaid on all Rooted Cuttings.

Verbenas, 40 best mammoth vars. 60c per 100; \$5.00 per 1000.

Alternanthera, red and yellow, 60c per 100; \$5 per 1000.

Ageratum, 4 best vars., 60c-75c per 100; \$5.00-\$6.00 per 1000.

Heliotropes, 10 best vars. \$1 per 100; \$8 per 1000.

Daisies, 2 best vars., \$1 00 per 100; \$8.00 per 1000.

Geraniums, strong 2 1/4-in., best named varieties, ready for 3-in., \$2 50 per 100, \$20 per 1000.

Verbena plants, strong, full of cuttings, fine as silk, \$2 per 100, \$18 per 1000.

Heliotrope, 2 1/4-in., strong, fine plants, \$2 per 100, \$18 per 1000.

Send for our new list of other rooted cuttings and plants; it will save you money. Write for prices on larger lots. Special low express rates to all parts. THAT CASH PLEASE.

C. HUMFELD, Clay Center, Kas.

LETTUCE....

Big Boston, Boston Market and other varieties, 15c per 100; \$1.00 per 1000; \$8.50 per 10,000. If by mail add 10c per 1000.

CABBAGE

Wakefield and Succession, 25c per 100; \$1.25 per 1000. If by mail add 20c per 100.

CAULIFLOWER

Snowball, 35c per 100; \$2 50 per 1000.

TOMATO

Mayflower, Lorillard and Dwarf Champion, 50c per 100 postpaid. Nice size for potting. CASH WITH ORDER. Other vegetable plants, also flowering plants. Send for list.

R. VINCENT, Jr., & SON, White Marsh, Md.

3 - Great Glories - 3

BEGONIA GLOIRE DE LORRAINE, 2 1/4-inch pots, \$15.00 per 100.

BEGONIA GLOIRE DE LORRAINE Nana Compacta, 2 1/4-inch pots, \$15.00 per 100.

BEGONIA CALEDONIA, "The White Lorraine," 3 1/4-inch pots, \$5.00 each.

This stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Maas.

AGERATUM

"Stella Gurney."

As necessary to your bedding stock as celcius or geraniums. Dwarf in growth, true blue and always in bloom. Strong pot plants at

75 cts. per Doz.; \$5.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

.. New.. CHRYSANTHEMUM GOLD SMITH

Cream yellow tinted with bronze, sport from Pres. W. R. Smith, fine large flowers, strong stem. Your collection of Chrysanthemums can not be complete without this new candidate. There is without doubt a commercial future before this sort. Exhibited at Cincinnati November 17 it scored 83 points. Price \$2 per doz. Orders taken now and filled in March.

H. L. RACAN, P. O. Box 166, Springfield, O.

LATANIA & BORBONICA.

We have a surplus of this variety in 4-inch pots, extra strong plants, well rooted and ready for a shift. Sample sent by mail for 30c in stamps; \$2.50 per doz.; \$18.50 per 100. This is a bargain, hurry up with your orders.

—CASH PLEASE.—

W. W. COLES, Kokomo, Ind.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants, Market and 49th Sts., Philadelphia, Pa.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flower saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We can supply any quantity fine, stocky plants—2 1/4 in., \$2.50 per 100. Cash with order.

Shellroad Greenhouse Co., Grange P. O., Balto., Md.

ROSES

STRONG 2 YEAR FIELD GROWN.

CRIMSON RAMBLER, extra strong.....\$12.00 per 100.
HYBRID PERPETUAL, in fine assortment.....\$10.00 per 100, \$90.00 per 1000.
HYBRID PERPETUAL, in fine assortment, 2d size..... 6.00 " 50.00 "
These are well rooted, good stock, but not quite heavy enough to go into first grade.

AZALEAS

Stock in excellent shape, well set with buds.
10 to 12-inch crowns.....\$35.00 per 100 12 to 14-inch crowns.....\$45.00 per 100

SPIRAEAS

JAPONICA.....\$3.50 per 100 ASTILBOIDES FLORIBUNDA.....\$4.00 per 100
NANA COMPACTA.....\$5.00 per 100

PALMS

KENTIA BELMOREANA, 2 1/4-inch pots.....\$8.00 per 100, \$75.00 per 1000
KENTIA BELMOREANA, 3-inch pots, 4 and 5 leaves.....\$15.00 per 100
KENTIA BELMOREANA, 4 inch pots, 14 to 16 inches high..... 30.00 "
KENTIA BELMOREANA, 5-inch pots, 18 inches high..... 60.00 "
KENTIA BELMOREANA, 5 and 6-inch pots, 18 to 22 inches high..... 75.00 "
KENTIA FORSTERIANA, 2 1/4-inch pots..... 10.00 "
KENTIA FORSTERIANA, 3-inch pots, 12 inches high..... 15.00 "
KENTIA FORSTERIANA, 4-inch pots, 15 to 18 inches high..... 35.00 "
KENTIA FORSTERIANA, 5-inch pots, 18 to 22 inches high..... 50.00 "
KENTIA FORSTERIANA, 5 and 6 inch pots, 24 to 28 inches high..... 75.00 "
ARECA LUTESCENS, 2 1/2-inch pots.....\$6.00 per 100, \$50.00 per 1000

ASPARAGUS

PLUMOSUS NANUS, 2 1/4-in. pots...\$ 5 00 per 100 SPRENGERII, 2 1/4-in. pots.....\$3.00 per 100
PLUMOSUS NANUS, 3-in. pots..... 6.00 " SPRENGERII, 3-in. pots..... 5.00 "
PLUMOSUS NANUS, 4-in. pots..... 12.00 " SPRENGERII, 4-in. pots..... 8.00 "

BOSTON FERNS

Strong 2-inch pots.....\$3.00 per 100, \$25.00 per 1000

THE STORRS & HARRISON CO., Painesville, O.

Heacock's Premium Palms

Certificate of Merit for Culture Pennsylvania Horticultural Society, March, 1900.
Certificate of Merit for Culture Pennsylvania Horticultural Society, November, 1900.

Only the Best, Grown in the Best Manner. Immense Stock, free from Insects and Disease and in the Best Possible Condition. Send in your Order at Once.

Areca Lutescens. 3 plants, 6-in. pot, 24 to 28 inches.....\$12 per doz.; \$100 per 100.
3 " 8 " 36 " FINE.....\$3 each.

Cocos Weddeliana. 1 plant, 3-in. pot, 12-in. high.....\$ 25 per 100.
3 plants, 5 " 18 ".....\$1 each; \$100 "

Kentia Belmoreana. 4-in. pot, 5 to 6 leaves, 15-in. high.... \$4.50 per doz., \$35 per 100.
6 " 6 leaves, 24 "..... 15 00 " \$125 "
8 " 6 " 30 to 32-in. high.....\$3 each.

Kentia Forsteriana. 4-in. pot, 4 to 5 leaves, 15-in. high....\$4.50 per doz., \$35 per 100.
6 " 5 " 24 to 28-in. high....\$1 each, \$12 per doz.
6 " 5 to 6 " 30-in. high.....\$1.25 " \$15 "
8 " 6 " 36 to 40-in. high.....\$3 " \$36 "

JOSEPH HEACOCK, - Wyncote, Pa.

FLOWERING PLANTS Always on Hand ...in Quantity.

Ericas, small plants in bloom or in bud ready to bloom, \$1.50 per doz., \$10 per 100.
Large, fine shaped Ericas in bloom, 75c and \$1 each, \$9 to \$12 per dozen, \$75 per 100; Epacris in bloom, \$9 per dozen.

Erica persoluta alba }
Erica persoluta rosea } 100 plan's in these four varieties, for growing on, \$10, or
Erica persoluta rubra } 100 plants in bud, \$15 per 100.
Erica fragrans }

Azaleas, always in bloom, 50c, 75c, \$1, \$1.25, \$1.50, \$2, \$2.50, \$3, \$4, \$5 and \$6 each.
Rubbers, 18 to 24 inches high, to sell out cheap, \$6 per dozen, \$45 per 100. Orders up to \$10 add 50c for packing, up to \$20 add \$1, to \$30, \$1.50, to \$50, \$2.00.
Kentias, Latanias, all sizes.

Cash with Order, Please..... **A. SCHULTHEIS, P. O. Box 78, College Point, L. I.**

500,000 Verbenas THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants \$2.50 per 100; \$20 per 1000 Rooted Cuttings 60c per 100; \$5 per 1000; \$45 per 10,000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

TELL THEM WHERE YOU SAW THE AD.

Washington.

BUSINESS GOOD AND STOCK ABUNDANT.—
THE INAUGURAL BALL CONTRACT.

Trade is fair and stock is equal to demand. Wm. Crawford had the decoration for Mrs. Senator Foster's tea at "The Cairo" last week, the ball room and several adjoining rooms being used for the occasion, Bridesmaid roses and wild smilax predominating in the floral work.

J. H. Small & Sons have been awarded the contract for the inaugural ball decorations at their bid of \$4,500. Z. D. Blackstone was the only other local bidder.

P. G.

Columbus, O.

Gloomy weather has had bad effect on stock in general and there have been no good Meteor roses since before the holidays. Society was rather quiet about Columbus during the past week but there was a brisk demand for funeral work.

Affleck Bros., who suffered quite a loss by fire a year ago, are cutting some pretty good stock this season and we think with another year's experience these clever boys will be up with any of them.

Sherman Stevens has struck a soil near his place that makes his roses hum; a better lot of roses has never been seen about this city. Of course Sherman and his staff have a great deal to do with the excellent condition of this stock but there is a great deal in the soil he has used, which he is ready to admit.

Charles Ball, of the Cincinnati Cut Flower Co., was a caller this week.

CARL.

Get it Now! It's Ready!

GERANIUM AMERICA

\$8 per 100; 25 at 100 rate.

HENRY EICHHOLZ, Waynesboro, Pa.

ROOTED CUTTINGS.

Verbenas, 35 vars., 60s per 100, \$5 per 1000. Coleus, 30 vars., 60s per 100, \$5 per 1000. Heliotropes, 14 vars., \$1 per 100, \$8 per 1000. Petunias, dbl., named, \$1.25 per 100, \$10 per 1000. Ageralums, 3 vars., 60c per 100, \$5 per 1000. Lantanas, 4 vars., \$1.25 per 100. Alyssum, giants, \$1 per 100. Salvias, 3 vars., \$1 per 100. Geraniums, 24-in., all named, \$2.50 per 100, \$20.00 per 1000. Express prepaid on all Rooted Cuttings. Cash with orders. Write S. D. BRANT, CLAY CENTER, KAS.

Field-Grown VINCA VAR. VINES

3 inch pot Vinca Vines, \$4.00 per 100.

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 44 Boyd St., WATERTOWN, N. Y.
Please mention the American Florist when writing.

Nice Plants.

Per 100
Alternanthers, yellow, \$1.75; red \$2.00
Geraniums, my selection 3.00
Coleus mixed nod Ageratum, 2-inch pots 2.00
Asparagus Sprengerii, 2-inch pots 2.00
Vinca Vines, 2-inch pots 3.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Geraniums

Mixed, good collection. Double Fringed Petunias. Fine Asparagus Sprengerii. All the above from 2-inch pots at \$2.00 per 100.

E. I. RAWLINGS, Quakertown, Pa.
Please mention the American Florist when writing.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Rent paid for \$2.50. Without spraying valve, \$3.00.
The Hose Connection Co., Kingston, R. I.

Cut Flowers, Wirework, Cut Flower Boxes, Baskets, Wheat Sheaves, Doves, and Everything of Use to a Florist.

HOLTON & HUNKEL CO., 457 Milwaukee Street, MILWAUKEE, WIS.

ESTABLISHED 1866

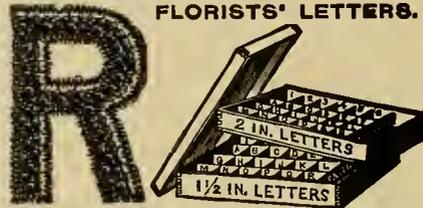
EMIL STEFFENS

SUCC. TO N. STEFFENS AND STEFFENS BROS.



Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. MCCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

Please mention the American Florist when writing.

Use "UP-TO-DATE" FLORISTS' SUPPLIES.

M. Rice & Co., Importers and Manufacturers.
918 Filbert St., PHILADELPHIA, PA.
CATALOGUE FOR THE ASKING.....

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.
108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cycae Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs, AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

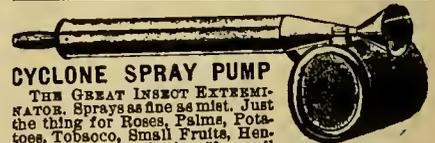
Silver Birch Bark Ware



PRICES PER DOZ.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4-in. \$1.80; 5-in. \$2.40; 6-in. \$3.00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 14-in. per doz. \$11; 11-in. \$9; 9-in. \$7. References: Geo. Wittbold Co., E. Wienhoeber, C. A. Samuelson, Chicago.

J. A. LYNN,

1442 Wrightwood Ave., CHICAGO.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roads, etc. All tin, 50c.; all polished copper, \$1.00. Cash with Order. Weighs, boxed, about 5 pounds. Buyer pays express. STEVENS & CO., 107 Chambers St., N. Y. City.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you SILKALINES.

up on..... 84 Kingston St., BOSTON, MASS.

MEYER SILKALINE is for sale by all the leading seedsmen and jobbers throughout the country.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE All grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.
DUNNE & CO., 54 West New York, 30th St.
HORTICULTURAL SUPPLIES.

BEST AND Cheapest ALL-ROUND INSECTICIDE as the Market.



For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

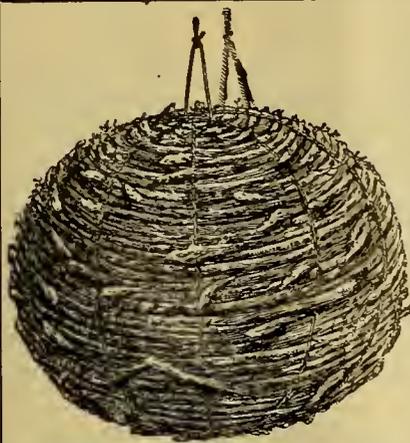
HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A., SADDLE RIVER, N. J.

Tell them where you saw the ad.

STUDER'S PRICE LIST.



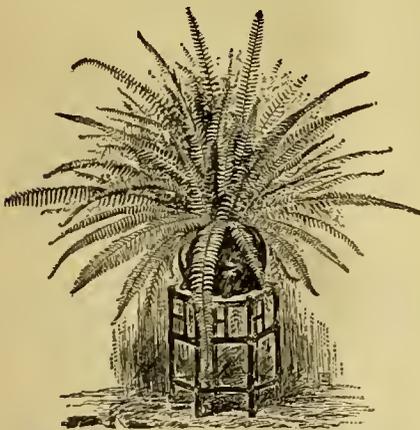
FOR PRESENT DELIVERY! JAPANESE FERN BALLS.

True long-leaved variety.
You will find a ready sale for them.

Per doz. \$4; per 100 \$30.

Write for Prices on Quantities!

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.



BOSTON FERN A Specialty.

20,000 very fine plants at \$25 and \$30 per 100. Small plants, \$5 per 100; \$40 per 1000.

ASPARAGUS P. NANUS and SPRENGERII, for 4-in., at \$8.00 per 100. SMALL PALMS and FICUSES.

L. H. FOSTER, 45 King St., Dorchester, Mass.
Please mention the American Florist when writing.

DON'T GET LEFT

ON GERANIUMS. They are going very fast at \$3 per 100, \$25 per 1000 out of 3 or 4-in. pots, ready for shifting into 3 or 4-in. pots, ready for the following varieties: S. A. Nutt, Frances Perkins, LaFavorite, E. G. Hill, Beate Poitevine, Wm. Pfitzer, Ruy Blas, Double Grant and in fact all the leading vars.

Ageratum, 2½-in. pots, Princess Pauline, Cope's Pet, White Cap, \$1 per 100. R. C. 50c per 100.

Fuchsias in variety, R. C., \$1 per 100.
Coleus, 2½-in. pot, \$1.50 per 100. R. C. 50c per 100. Cash Must Accompany Order.

J. E. FELTHOUSEN, Schenectady, N. Y.
Please mention the American Florist when writing.

PALMS.		Pots.	Leaves.	High.	Each.
Kentia Belmoreana	.....	8	7	50-in.	\$3.50
"	"	7	6	24	2.50
Latania B rbonica	.....	3½	5	18	.20
Seaforthia Elegans	2-in pot	7	8	55	1.00
"	"	6	4	40	.50
Corypha Australis	.....	6	7	30	.50
Phoenix Tenuissimus	.....	6	7	33	.50

FERNS.		Pots.	Leaves.	High.	Each.
Bostoniensis	.....	6	24	30	.50
"	"	5	15	24	.35
"	"	4			.10
Davallioides Furcans	.....	8	35	30	.75
"	"	6	24	25	.50
Exaltata, Philippinensis	.....	6	20	24	.35
Washingtoniensis	.....	8	18	50	1.00

DRACAENAS.		Pots.	Leaves.	High.	Each.
Lindeni & Massangeana	.....	5	8	15	.50
Fragrans	.....	5	10	18	.25
Terminalis	.....	5	10	20	.35
Indivisa	.....	6	15	24	.30

MISCELLANEOUS.		Pots.	Leaves.	High.	Each.
Dieffenbachia	.....	5	6	18	.35
Crotons in mixture	.....	5	15	20	.25
Anthurium Grande	.....	5	5	6	.15
Pandanus Utilis	.....	10	40	31	2.00
"	"	4½	12	18	.25

SMALL PALMS, FERNS, ETC.
Kentias, 2-inch, 5c; Letania, Phoe iv, Caryota Urens and Chamarops Excelsa, 5c. Ferns, Washingtoniensis and Dav. Furcans, 10c; Bostoniensis, Exaltata, also ferns for pans, and Selaginellas, 4c; Dracaenas, Lindeni and Massangeana from 2½-inch, 15c; Terminalis and Fragrans, 5c; Indivisa, 3c.

Cut Flowers at all Seasons 10 Per Cent Discount if cash be \$10 order or over.

N. STUDER, Anacostia, D. C.
Please mention the American Florist when writing.

50,000 Geraniums

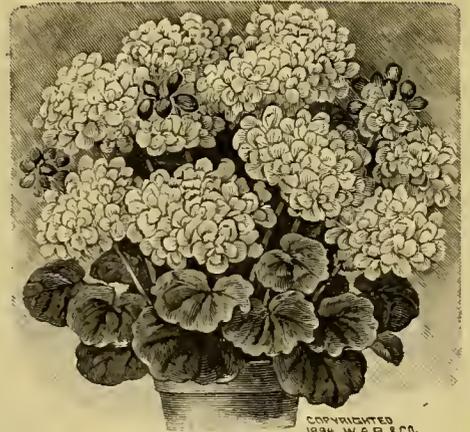
AT \$2.50 PER 100.

All the following are strong, well established plants in 2½-in. pots, ready for shifting to 3½ and 4-in. pots. All are in perfect health and strictly true to name.

Double Grant, brilliant scarlet.	
Single Grant	
S. A. Nutt, double, deep scarlet.	
John P. Cleary, single, brilliant scarlet.	
Mrs. E. G. Hill, single, rosy salmon.	
Mme. Molin, single, salmon pink.	
La Favorite, double, pure white.	
Mrs. S. A. Gaar, single, pure white.	
Rose Scented, large and small leaved.	
Mme Salleri	\$2.00 per bn dred.
Mountain of Snow,	\$3.00 per 100.
Mrs. Parker,	\$3.50 per 100.
Ageratum, Stella Gurney, the grand new bedding variety, strong plants,	2.50 per 100.
Heliotrope, dark blue, light blue, pure white, best bedders, separate,	2.50 per 100.

Prompt Shipments.

J. T. LOVETT, LITTLE SILVER, N. J.



Browallia, Giant Blue	.....	per 100,	\$2.50
Achyranthes, 4 varieties	.....	"	2.50
Coleus, 10 most popular	.....	"	2.50
Sweet Alyssum, Giant Double	.....	"	2.00
Santolina Incana	.....	"	2.00
Begonia, Vernon, fine	.....	"	2.50

Cash with Order.

Roses, Bride and Bridesmaid,	\$2 per 100, \$18 per 1000
Pelunias, double, finest large flowering,	2½-inch pots, \$2 per 100.
Salvia Splendens and Bonfire	..... \$1.51
Heliotrope	..... from 2½-in. pots, 1.50 cuttings,
Lobelia C. P. Compacta	..... 1.50 75c
Cuphea platycentra	..... 1.50 per 100
Primula Obconica, 2½-in. pots	..... per 100, \$2.00
" Sinensis, 4-in. pots, fine	..... 6.00
Carnations, F. Hill, R. C.	\$1.25 per 100, \$10 per 1000
" McGowan	..... \$1 per 100, \$8 per 1000
Pansies, transplanted stock	..... \$3 per 1000

CASH WITH ORDER.

E. FRYER, Batavia, Ill.

The Famous Kudzu Vine—Hardy as a rock. Lasts 50 years. Can be cut back every year. Grows 50 feet in one season. \$7.00 per 100.

Asparagus Sprengeri—Strong 3½-in., \$6.00 per 100.
New Rose Snowflake—The Daisy Rose, \$10 per 100.
New Lace Fern—Fronds last a month, \$6.00 per 100.
New Russelia Multiflora—2½-inch, \$4.00 per 100.
50 New Plants not to be Had Elsewhere.
Callas—White, \$3 per 100; Spotted, \$3; Yellow, \$20.
Cannas, Dahlias, and all summer blooming bulbs.
Electros and Cuts for Florists and Seedsmen.
A. BLANC, PHILADELPHIA, PA.

COLEUS...

In 25 best varieties, 2-in., \$1.50 per 100, \$12.00 per 1000. Rotted Cuttings 60c per 100, \$5.00 per 1000. Sample of either by mail for 10c.

TRAILING LANTANA, 2-inch	.....	\$3.00
Cigar plant, 2-inch	.....	2.00
Jasmine Grandiflora, 2-inch	.....	5.00
Ageratum, P. Pauline, White Cap and Napis	.....	4.00
Blue, 3-inch, fine	.....	4.00
Cuttings of same	.....	.75
Cyperus Alternifolius, 2-inch	.....	2.00
Boston Ferns, 2½-inch pots	.....	5.00
" from bench	.....	3.00
Asparagus P. Nanus, 3-inch	.....	8.00
" Sprengeri, 3-inch	.....	5.50

Satisfaction guaranteed. Cash with order.

GEO. L. MILLER, Newark, Ohio.

VIOLET RUNNERS. 25,000 STRONG ROOTED RUNNERS.

LADY CAMPBELL VIOLETS.
From sand, \$5 per M; fr. soil \$7.50 per M. Samples free
WM. SWAYNE, Kennett Square, Pa.

Baltimore.

GARDENERS' CLUB AFFILIATES WITH STATE HORTICULTURAL SOCIETY.—DISCUSSION OF PLANT DISEASES.—TREATMENT FOR CALLA DISEASE.—OFFICERS OF FLORISTS' EXCHANGE.

There was a very fair attendance at the last meeting of the Gardeners' Club, which, by the way, has become affiliated with the State Horticultural Society. The chief attraction was a lecture with stereopticon illustrations on the causes of some plant diseases, by Prof. C. A. Townshend. The calla rot and stem rot in carnations were taken up in the course of the lecture and Prof. Townshend showed on the screen the microscopic germs causing the trouble. The calla rot he attributed to a species of bacteria, and the stem rot to a minute fungus, the filaments of which choke the water channels in the stem and cause decay. He strongly advocates removing every particle of the diseased plant and burning it, though he acknowledges the difficulty, if not impossibility of purifying the soil when these exceedingly small growths once obtain a foothold in it. Thos. C. Stevenson, reported having put what calla roots he had left, whether diseased or not, in a barrel the first of last June, with enough air-slaked lime between them to keep them separated, and leaving them in that condition for two months. When repotted they seemed healthy and up to this time have shown no trace of rot.

At the stockholders' meeting of the Florists' Exchange the following officers were elected for the ensuing year: President, I. H. Moss; vice-president, Jno. M. Rider; secretary, Wm. Fraser; treasurer, Ed. Kress. The board of directors consists of the above named gentlemen and Fred. Bauer, Ed. Akehurst and Chas. Feast. The affairs of the exchange are reported to be in flourishing condition.

There has been a great deal of funeral work of late and some of the best ever turned out was seen at the recent observances of a society leader. MACK.

WAYNE, PENN.—Thomas Etchingam, of this city, and Miss Annie Noon, of Philadelphia, were married in that city on Wednesday, January 9.

ADRIAN, MICH.—The fiftieth anniversary of the Lenawee County Horticultural Society will be celebrated February 13. An elaborate programme is in preparation for the occasion.

Awarded the only first-class Certificate of Merit by the Society of American Florists at Boston, Aug. 21 1890, for Standard Flower Pots.



WHILLDIN POTTERY CO.
JERSEY CITY PHILADELPHIA
LONG ISLAND CITY

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

THOS. W. WEATHERED'S SONS,
46 Marion St., NEW YORK.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500	2-in. pots in crate, \$4.88	120	7-in. pots in crate, \$4.20
1600	2 1/4 " " " 5.25	80	" " " 3.00
1500	2 1/2 " " " 6.00	48	" " " 3.80
1000	3 " " " 5.00	48	" " " 4.80
800	3 1/2 " " " 5.80	24	" " " 3.80
600	4 " " " 4.50	24	" " " 4.80
320	6 " " " 4.51	12	" " " 4.80
144	6 " " " 3.16	6	" " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST HOLKER & SONS, New York Agents,
63 DEY STREET, NEW YORK CITY

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.
SWANN'S POTTERY MF'G CO.,
P. O. Box 78, Minneapolis, Minn.

Standard Flower Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.



Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your seedman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
150-152 VEDDER ST., CHICAGO,
TELEPHONE NORTH 553.

The Jennings Improved Pans

Made for any sized steam pipe. Write for price, also circular.

JENNINGS BROS., Olney, Philadelphia, Pa.

FOR VAPORIZING TOBACCO WATER And TOBACCO EXTRACTS.



WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST.,
CHICAGO, ILL.,
FOR PRICES OF

Standard Pots

which for strength and porosity combined are the best on the market.

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts. Please mention the American Florist when writing.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.

Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNEGKE CO., MILWAUKEE, WIS.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.



**LIQUID
PLANT
FOOD**

Grows hardier stock; grows improved stock.
Stock ships better; also ready earlier.
Brings better customers and more profits.

EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

IF YOU WANT
HEALTHY PLANTS
FUMIGATE WITH
NICOTICIDE
THE BEST OF ALL
INSECTICIDES

Write for full particulars to
The Tobacco Warehousing & Trading Co.,
1000 Magnolia Ave., LOUISVILLE, KY.



IF THERE IS ANYTHING you want
in the way of
PREPARED PALMS
Whether the raw materials or the
finished goods, you will get best
satisfaction and service from the
right people on the right spot.

Florida Natural Products Co.,
Jacksonville, Fla.

Branch Store, Indianapolis, Ind.
Inquiries Cheerfully Answered.

**KIFT'S
PATENT Adjustable Vase Holders**

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod.
Price complete (with green or white tumblers) \$2.25.
Price complete (with green or white cornucopia vases)
\$2.50. No. 2.—Heavy 4 ft. rod brass and nickel.
with three clasps for 5 to 8-in. pots, each, \$1.75.
Kift's patent rubber capped Flower Tubes, 1/4-in.
diameter, per 100, \$3.50.

ROBERT KIFT, Florist,
1725 Chestnut St. Philadelphia, Penn.

The FINLEY ROTARY LAWN RAKE

Picks up leaves and litter and holds them until
the burn heap is reached. It does the work much
better than a hand rake and three times as fast.
Easy to operate. Given certificate of merit at
N. Y. Convention of the S. A. F.

PRICE \$12.00. Send for Circular.

FINLEY LAWN RAKE CO., - Joliet, Ill.

Circulation
which
Circulates

The actual paid circulation of the
American Florist is, we believe, the
largest in its class. The contents
are of real present value and are
preserved for reference. Advertisers
who use regularly our columns estab-
lish permanent business with the best
trade in the United States.



HYGROMETER
or **MOISTURE GAUGE.**

THIS Moisture Gauge tells you the difference between
dryness and dampness in your greenhouses. We
have been testing two of these moisture gauges
several months and find they are more indispensable
than the thermometer. If you keep this moisture gauge
at 70 degrees you will have neither mildew nor red spider
in your rose houses. If you keep it at 80 degrees you will
not have rust nor red spider in your carnation houses. If
you keep it at 85 degrees you will never have fungus in
your rooted cutting houses. If you keep it at 75 degrees
degrees you will not have decayed leaves in your geranium houses; and if you have a moisture
gauge in every house 100 feet long and keep it at above figures you will make at least \$100 more
per year from each house. Who wants to buy mildewed roses or rusty carnations?

To operate this moisture gauge it is essential to wet the walks in order to get the proper
dampness. If your houses are too damp in the winter, fire up a little and in summer time open
your ventilators. This has been obtained only by years of experience. Now you can tell your
greenhouse hands to keep it at 70 or 80 degrees as you want it, just as you tell your fireman to
keep the temperature in such a house at 60 degrees. We never had any intention to sell moist-
ure gauges but they are doing us so much good we have obtained some we can sell at \$2.50
each, but we think you will want more. These moisture gauges are made in Germany and
France. The French machines come at \$10.00 each; they are quite an ornament and no cheap
truck. We will give one of the \$2.50 machines FREE for a \$20.00 order for plants, or rooted
cuttings, or unrooted cuttings, from our 1901 catalogue, or from our ads. in the trade papers;
or we will send you one for \$2.50, and after 10 days' trial if you do not like it you may return it
and get your money back.

THE MORRIS FLORAL CO., Morris, Ill.

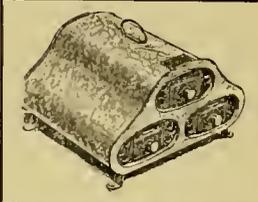
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of
weather at the cost of 1/2c per hour.

No danger of fire, no gases to injure plants, no
odor, no smoke, no dirt.

Over 135,000 in actual use every winter by
Florists, etc.

Send for Descriptive Circular and
Price List.



Lehman Bros., Manufacturers.
10 Bond St., NEW YORK.

JAMES W. ERRINGER,
Gen. W. & Sales Agent,
297 Wabash Ave., CHICAGO.

Nikoteen
Aphis Punk
It Burns

The most convenient way
of applying an insecticide
ever yet devised. No pans
required—No heating of
irons—No trouble—Cannot
injure the most sensitive
blooms—Very effective.
Price 60¢ per box of 12
rolls. All dealers sell it!

Skabcura Dip Co.
St. Louis — Chicago.

RUSTIC WORK FOR ALL PURPOSES
MADE TO ORDER...

In stock, the most extensive variety in the
country. of Baskets Window Boxes, Stands,
Brackets and original designs. Prices low.

RUSTIC MFG. & CONSTRUCTION CO.,
19 Fulton Street, NEW YORK CITY.

DO NOT FORGET

before building that addi-
tion to your greenhouses
to write us for expert plans
and figures. Perhaps we
can save you money.

THOS. W. WEATHERED'S SONS,
46 Marlon St., NEW YORK.

**HARTMAN STEEL ROD
PICKET-FENCE**



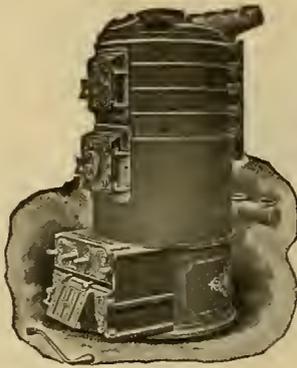
fills completely all fence requisites as to beauty, utility
and durability. Specially designed for lawns, parks,
cemeteries, school grounds, &c. Looks best and is best
when built with our steel posts. Illustrated catalog free.
HARTMAN M'FG CO., BOX 86 ELLWOOD CITY, PA.
Or Room 46, 809 Broadway, New York City.

INDEPENDENT OF ALL TRUSTS.
GLASS for Greenhouses, Conservatories, Hot-
beds, etc. Also Hotbed Sashes and
Mats, Paints, Oils, etc. **THE REED GLASS &
PAINT CO.,** 466 W. Broadway, NEW YORK.

Index to Advertisers.

Advertising rates... 830
 Allen J K... 835
 American Rose Co... 832 11
 Amling E C... 832
 Banner J L & Co... 832
 Barnard W W & Co... 834
 Bassett & Washburn 835 41
 Baur S Alfred... I
 Bayerdorfer H & Co... 848
 Bentley & Co... 833
 Bernluk H G... 834
 Bladokunst Die... 111
 Blanc A & Co... 849
 Blue Hill Nursery... 846
 Boblink & Atkins... 844
 Boston Letter Co... 848
 Brant S D... 848
 Brant & Noe... 833
 Branson O L & Co... 844
 Budlong J A... 833 841
 Bunyar H A... 832
 Burpee W Atlee & Co. II
 Caldwell the Wood-
 man Co... 837
 Carmichael D... 831
 Carney J D... 844
 Chadwick Chas... 839
 Chicago Carnation Co... 833 843
 Chicago House wreck-
 ing Co... 111
 Christensen Andrew... 844
 Cincinnati Cut Flo Co... 834
 Clark Wm A & Son... 848
 Coles W W... 847
 Collins Thos... 832
 Conard & Jones Co... 844
 Conley Foli Co... 816
 Cottage Gardens... I
 Crab & Hunter... I
 Craig Bohi & Son... 847
 Croom John & Bro... 11
 Cunnigham D O
 Glass Co... 111
 Cunningham Jos H... 843
 Dallidouze Bros... 841
 Deamid J B... 832
 Detroit Flo Pot Mfy... 850
 Dietsch A & Co... 111
 Dillon J L... 845 847
 Dornier Fred & Sons Co... 845
 Dreer H A... 839 111
 Dunlop John H... 833
 Dunne & Co... 848
 Eastern Chemical Co... 851
 Elchholz Henry... 848
 Ellis Frank M... 834
 Ernest W H... 850
 Felthousen E... 832
 Ferguson John B... 832
 Finley Lawo Rake Co... 851
 Fisher Peter... 843
 Floral Exchange... 846
 Florida Nat Prod Co... 851
 Ford Bros... 835
 Fort Dodge Cn Co... 845
 Foster Lewis H... 849
 Fryer E... 849
 Gardening Co The... II
 Gardeners Chronicle... II
 Garland Geo M... 852
 Gaskill's Greenhouses 845
 Geller Sigmund... 849
 Gornley Wm... 835
 Gibbons H W... 111
 Gibbs & Co... 111
 Gullett & Sons W H... 844
 Gunther Wm H... 835
 Gurney Heater Co... 852
 Guttman Alex J... 845
 Hasenburger Carl... 842
 Hall Ase'n... 848
 Hancock Geo & Son... 815
 Harrer Geo... 845
 Hart M A... 835
 Hartman Mfg Co... 831
 Hencock Joseph... 842
 Heiss J B... 842
 Heller & Co... 11
 Hennecke C Co... 850
 Herendeen Mfg Co... 11
 Herr Albert M... 841 847
 Herrmann A... 832
 Hews A H & Co... 851
 Hiltner Bros... 850
 Hill The W G Co... I
 Hill H H... 833
 Hippard E... 111
 Hitchings & Co... 11
 Holton & Hunkel Co... 11
 Hooker H M Co... 852
 Horan Edw C... 835
 Hort Adv... 111
 Hose Connection Co... 848
 Hubbard T S Co... 848
 Humfeld Co... 847
 Hunt E H... 843
 Invalid Appliances Co 850
 Irvine John & Sons... 811
 Jackson & Perkins Co... 837 11
 Jacobs S & Sons... 111
 Jennings E B... 837
 Jennings Bros... 830
 Johnson & Stokes... 836
 Kastok W F... 844
 Keller Bros... 850
 Keller Geo & Son... 830
 Kellogg Geo M... 832
 Kennicott Bros Co... 838
 Kentucky Tob ProCo 848
 Kervan Co The... 837

Kift Robert... 851
 Kohr A F... 850
 Koropp L... 833
 Kroeseonli Bros Co... 111
 Keith G & Co... 834
 Knhl Geo A... 845
 Laho Jos... 839
 Lager & Hnrrell... 846
 Lake w Rose Garden... 844
 Lang Julius... 835
 Langjahr A H... 834
 Lehman Bros... 851
 Limprecht S J... 835
 Lockland Lum Co... 850 11
 Long D B... 111
 Lonsdale Edwin... 844
 Lord & Burnham Co... 11
 Lovett & Co... 849
 Lucas J & Co... 111
 Lynn J A... 848
 May Jno N... 842
 McCarthy & Co N F... 834
 McKellar & Winterson 839
 Mader Paul... 841
 Meyer John & Co... 848
 Millang Chas... 845
 Millang Frank... 835
 Miller Geo L... 849
 Moller's Gartner Zel-
 tung... II
 Moninger J C Co... 852
 Moon Samuel... 849
 Moon Wm H Co... 838
 Moore, Hentz & Nash... 835
 Morris Floral Co... 843 851
 Moss Geo M... 834
 Myers & Co... 852
 Nielsen Leo... 834
 N Y Cut Flower Ex... 846
 N Y Cut Flower Co... 835
 Pennock Sam'l S... 834
 Pittsburgh Cut Flo Co... 832
 Poehlmann Adolph H... 833
 Polworth C C Co... 833
 Pritchard J N... 832
 Furnell W J... 837
 Quaker City Mch Wks... 111
 Ragan H L... 847
 Randall A L... 833
 Rasmussen A... 841
 Rawlings E I... 848
 Raynor J I... 845
 Reed Glas & Paint Co... 851
 Regan Printing House... 11
 Reinberg Geo... 833 840
 Reinberg Peter... 833 842
 Retzer Walter & Co... 844
 Rice M & Co... 846
 Rodgers Alex... 11
 Roemer Fred... 111
 Roland Thomas... 847
 Rolker A & Sons... 11
 Rupp John F... 846
 Rustle Mfg & Con Co... 851
 Salkford Geo... 835
 Sander & Co... 843
 Sohillo Adam... 11
 Sohmldt J C... 841
 Schu theis A... 847
 Schwabe C Otto... 843
 Scott John A... 11
 Scott Robt & Co... 843
 Shady Hill Nursery... 838
 Shaw F E... 845
 Shilroad Greenh's... 847
 Sheridan W F... 835
 Siebrecht & Son... 11
 Situations & Wants... 831
 Skabura Dip Co... 851
 Smith Nath & Son... 839
 Smith W & T Co... 11
 Smits Jac... 836
 Soltau C... 837
 South Side Floral Co... 846
 Stahl Chas B... 834
 Stearns Lumber Co... 111
 Steffens Eml... 848
 Stevens & Co... 848
 Storrs & Harrison Co... 848
 Stinder N... 849
 Sutherland Geo A... 834
 Swan Pottery Mfg Co... 850
 Swayne Wm... 849
 Thorburn J M & Co... 836
 Tobacco Warehouse and
 Trading Cn... 851
 Traendly & Schenck... 835
 Vaughan's Seed S'ns... 834 837 844 846 849 11
 Vick's Sons Jas... 11
 Vincent R Jr & Son... 847
 Viola... 11
 Vredenburg & Co... 11
 Waterbury & Co... 831
 Watson G Co... 11
 Weber H & Sons... 845
 Weeber & Don... 11
 Welland & Blech... 833 842
 Welch Bros... 844
 Whitin Pot Co... 850
 Wietor Bros... 830
 Wilks S Mfg Co... 111
 Wittbold The Geo Co... 842
 Wood Bros... 839
 Woodroffe & Bern-
 helmer... 834
 Wood Stubs & Co... 846
 Young Jno... 835
 Young & Nugent... 835



GURNEY "400 SERIES" HOT WATER HEATER.

Western Selling Agents, JAMES B. CLOW & SONS, 222-224 Lake St., Chicago, Ill. Please mention the American Florist when writing.



BOILERS

Something that the florist can rely upon and know that they will give satisfaction. The greatest results obtained from a minimum consumption of fuel.

We manufacture Boilers capable of heating any size Greenhouse

RELIABLE-DURABLE-ECONOMICAL.

SEND FOR GREENHOUSE CATALOGUE AND PRICE LIST.

GURNEY HEATER MFG. CO.

NEW YORK CITY BRANCH: 74 Franklin St. Cor. Arch. 111 Fifth Ave., cor 18th St. BOSTON, MASS.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

1514-1520 So. 9th St., - PHILADELPHIA, PA. (ESTABLISHED 1849.)

H.M. HODGKER COMPANY.
 COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.

WRITE FOR LATEST PRICES.

CYPRESS WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO.

111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

GARLAND'S IRON GUTTER

No Ice. No Breakage of Glass.



This Gutter will save money in cost of construction.

GEO. M. GARLAND, DES PLAINES, ILL.

PETOSKY, MICH.—Frank Goeke, of the Petosky Floral Company, has been appointed by the Grand Rapids and Indiana Railroad, to have charge of the floricultural work on the grounds of the company at the stations at Petosky, Bay View and Wequetonsing.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVI.

CHICAGO AND NEW YORK, JANUARY 26, 1901.

No. 660.

THE AMERICAN FLORIST

Copyright 1900, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.
Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—PATRICK O'MARA, New York, N. Y., president; WM. F. KASTING, Buffalo, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The seventeenth annual meeting will be held at Buffalo, August, 1901.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March 19, 20 and 21, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February 21-22, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Buffalo, August, 1901. Edwin Lonsdale, Chestnut Hill, Pa., secretary.

THIS ISSUE 36 PAGES WITH COVER.

CONTENTS.

Hardy herbaceous plants for florists.....	853
Alfred H. Langjahr (portrait).....	854
The dielytra.....	854
A wreath on an easel (illus.).....	855
The Chicago Florists' Club.....	855
A fine specimen cypripedium (illus.).....	856
Caroations—keeping quality.....	856
A Christmas bouquet (illus.).....	857
With the growers—At Omaha.....	857
Queen Victoria's letter (illus.).....	858
Roses—Backward Bride and Bridesmaid roses.....	858
—Trouble with bride and bridesmaid.....	858
Horticulture at the Pan-American (illus.).....	858
Connecting heater with pipe.....	859
New York.....	859
Boston.....	860
Philadelphia.....	860
Chicago.....	860
St. Louis.....	861
Pittsburg.....	862
To carnation growers.....	862
A card to the Adams Express Co.....	862
Greenhouse building.....	862
The price of glass.....	862
The American Caroation Society.....	862
Senate Bill 5614.....	862
Providence, R. I.....	864
The seed trade.....	868
Toronto.....	868
The nursery trade.....	870
—The hardness of bamboos.....	870
Our pastimes.....	872
Lowell, Mass.....	874
Minneapolis.....	876
Buffalo.....	878
Albany, N. Y.....	880
Washington.....	882

Hardy Herbaceous Plants For Florists.

[Read before the Florists' Club of Philadelphia by Ernest Hemming, January 3, 1901.]

It would appear from the title of this paper that hardy herbaceous perennials are a separate class of plants from those usually grown by florists, yet two if not three out of the plants most commonly grown certainly belong to the hardy herbaceous perennials. These are the carnation, violet and chrysanthemum; and if you will only stop to consider their origin and compare the beautiful race of carnations now grown with its progenitors, *Dianthus caryophyllus* and *fruticosus*, the chrysanthemum with the original species, *Chrysanthemum Indicum*, and note the improvement in the violet, you will readily see how ambiguous the title is.

The hardy herbaceous perennials stand in the same relative position to the florists' flowers as the common masses of people do to the leading men of the day. While all are necessary to our economy, only the few come to the front as shining lights. While some are born to high position, like the rose and carnation, yet they all had common ancestry.

It is very evident to any one conversant with the florists' business, that novelty is one of the trump cards of the successful florist, and when you consider the numerous varieties of roses, carnations, chrysanthemums, etc. on the market, it hardly seems possible to hope for very striking novelties in that direction. With the general public a new carnation or chrysanthemum has to be labeled, "this is new," before it will attract attention.

Where will the novelties be recruited from? I should say that most of them will undoubtedly come from among the hardy herbaceous perennials. There is certainly a vast field for work to improve and adapt the most promising for the flower market.

If there is one genus of plants that offers a more promising field for success than another it is the wild aster, miserable weeds as they are considered by many. They certainly contain all the elements required to produce a race of florists' flowers equal to the chrysanthemum—robust constitution, good habit, good range of color—and it responds readily to good cultivation, besides possessing a natural grace and beauty and a lengthy flowering season.

There are already a considerable number of hybrids and improved varieties of the different species. I counted seventeen varieties of *Aster Novi Belgii* catalogued by one nurseryman, four of *Novæ Angliæ*,

besides improved forms of other species, but I am sorry to say they are mostly of foreign origin.

When we consider the aster is indigenous to the New World, and therefore comparatively new when compared with the carnation and chrysanthemum, that have been under the care of the horticulturist for ages, their future usefulness seems almost assured.

With the general run of hardy herbaceous perennials, time of flowering is one of the most important considerations to the florist, and for convenience sake I will divide them into three sections, spring, summer and fall bloomers.

The early spring flowering perennials seem to be the most useful to the florist, owing to the fact that most of them can be forced into bloom before flowers are plentiful outside, such as *Spiræa astilboides*, *S. multiflora*, *Primula veris*, *P. vulgaris*, German iris, iberis, *dronicum*, heuchera, lily of the valley, pæonies, *dicentra* and many others. These, along with the spring flowering bulbs, force very readily and are well known to the florist trade. As regards this section, a very good rule to go by is: All plants that bloom in the open by May, either in herbaceous plants or shrubs, can be forced, with more or less success, and it is useless to attempt to force any of the summer or fall blooming plants.

Success rather depends on the condition of the plants in the fall than their treatment in early spring, because the flower buds are to a more or less extent formed at that time, and I should strongly advocate that they be established in pots the fall previous, and stored in frames, with sufficient protection from the frost to keep the pots uninjured, until it is desired to bring them in.

There are many beautiful subjects among the summer blooming plants and I have often heard florists remark: "If I could only have a house of so and so about Christmas there would be money in it." And doubtless there would, but it seems well nigh impossible to completely change their flowering season from midsummer to midwinter, and I do not think it has ever been done in a practical manner. Yet from observation, I think it is possible. Take, for instance, that section of plants more of a biennial nature, such as hollyhocks, *digitalis*, *Campanula Medium*, *Polemonium œrneum* and others. I have noticed they have a tendency to bloom the first year from seed when the season is a long one. It seems possible that if they were sown in early spring and kept growing all

summer so as to have them established in pots, before the cold weather comes taking them inside, that there can be nothing to prevent them from blooming without their winter rest, as they differ from the spring blooming plants by not having their flower buds developed during the winter's rest. Of course it is only a theory and given rather as a suggestion to those interested enough to work on those lines.

As regards the fall blooming plants, there does not appear to be much scope for controlling their flowering season, and their value to the florist rather depends on their improvement. Among this section come the asters already mentioned.

If I may be allowed to express an opinion on such matters, I think the tendency of popular taste is toward natural beauty; this is plainly seen by comparing the floral work of the present with that of the past. The waning of the popularity of the big show dahlias and chrysanthemums, with the increased popularity of the cosmos and sweet pea, and the eliminating of all formal design in landscape gardening seem to confirm my views. Such being the case, it behooves all progressive florists to keep an eye on the hardy herbaceous perennials.

Among the kinds that would be likely to prove useful for the general florist to plant and be allowed to bloom in their natural season, taking them in the order of flowering are *Pæonia tenuifolia*, *P. officinalis* and the Chinese section. *Pæonies* are an exception to the general rule. In the matter of replanting, the longer they are left undisturbed, with an occasional top-dressing, the better they flower, while most herbaceous perennials come to their best the second and third year after planting and then gradually become weedy and poor.

When speaking of the iris I always have a tendency to become enthusiastic in a way that would be liable to make the average florist tired. They are undoubtedly beautiful, and possibly the Germanica section is the most desirable for the florist. Their one great fault is that they do not last and are very poor subjects to handle when cut.

When I first saw the baby primrose in the florists' stores the thought came to me: "I wonder if this will not result in the advent of many more of the primulas, because there are between seventy and eighty species, many of them very beautiful and adapted to florists' use, and yet very few are known to the florists' trade.

While the Japanese irises are in bloom, other hardy perennials must take a back seat, but, like the German irises, their flowering season is brief, but the style of beauty is so distinct that if an oriental style of decoration is desired, no other flower could be used that is so characteristic. While they thrive in almost any locality, wet ground is necessary to produce them to perfection.

There is more than sufficient material about the campanulas to form an essay of itself. The numerous little alpine species are ideal subjects for pot culture, but whether they will ever become of real commercial value to the American florists will only be known by trial. The larger growing kinds, such as *Campanula grandiflora*, *C. Mariesii*, *C. persicifolia* and its varieties, *C. latifolia* and *C. glomerata* are undoubtedly good subjects for cutting during the summer.

The prevailing color of delphiniums should alone be sufficient to attract the florist. The commonest species, with their varieties, are perhaps the most use-

ful. *Delphinium formosum*, *D. exaltatum* and *D. Chinense*, sown early in spring, flower the first year from seed, so that there is a reasonable possibility of flowering them during the winter; in fact, I have succeeded in isolated cases, but if you have snails in your establishment don't attempt it.

Phlox decussata or *paniculata* is undoubtedly a florists' flower and, could it be flowered in winter, would vie with the chrysanthemum in its usefulness. As it is, its merits are winning an increased popularity, as the many and new varieties attest. A good many of us think of it only as the old-fashioned phlox of pinkish purple and white. Now, in good collections, can be seen a splendid range



A. H. LANGJAHR.

of form and color, from the palest pink to the brightest crimson, and from the delicate shades of violet and lavender to the darkest purple. Very pretty pot plants can be grown by striking the young shoots as soon as possible in spring and growing them in such a manner as you would a single stemmed chrysanthemum, and flowering them in four or five-inch pots. When the retailer sells them he will have the additional privilege of truthfully telling his customers that they are perfectly hardy.

If there is a reason why those beautiful fall flowering plants, Japanese anemones, should not be grown by the florist, I should like to hear it. With the possible exception that they bloom a little ahead of the activity of the flower market, they are very little earlier than the chrysanthemum. To be grown profitably the cut blooms will have to command a good price, as the production of the individual plant is limited. I have found the main points in the most successful method of growing them are to put in root cuttings about one inch long during February or March and pot on as required, shading them in hot weather during the summer, giving them abundance of water, with good drainage and being sure to look out for the blister beetle during July.

The above are perhaps the best known and most showy of the hardy perennials, but they by no means represent all of those useful to the florist. Such kinds as *Lobelia cardinalis*, *gaillardias*, *Pentstemon Digitalis*, *Pyrethrum roseum* and

P. uliginosum, *Rudbeckia Golden Glow* and the speciosa section, *Helianthus multiflorus*, *H. Maximilliani* and *H. orgyalis* are all worthy of attention, if there is any spare ground around the establishment.

So far I have only written of the usefulness of those suitable for cut flowers and pot culture, but there is a very large trade done by florists in the way of raising plants for bedding purposes in the spring, and this is where they will become most useful to the florist. The want in the future of the suburban home will be a flower garden on natural lines, and the florist will undoubtedly be called upon to fill that want, either directly or indirectly, of a substitute for the stereotyped summer bedding plants of the present day.

For this purpose the most convenient way to handle the majority of perennials is in pots, for obvious reasons: They require less space, can be packed and shipped to a greater advantage and replanted at almost any time. This applies more especially to the smaller growing kinds. In nearly all cases it is necessary to grow them one year from seed or cuttings to bring them to flowering size and fit them for the florists' market. But no rule can be given to cover them all, as they differ from each other in so many ways. With a wider knowledge of them will come a more extensive use and I trust the motto of the AMERICAN FLORIST will be especially applicable to the hardy herbaceous perennials: "There may be more comfort amidstships, but we are the first to touch unknown seas."

Alfred H. Langjahr.

Visitors to the New York convention, the ladies, especially, who participated in the memorable drive through the parks of Brooklyn, will recognize in the portrait herewith presented, the features of the indefatigable chairman of the Brooklyn entertainment committee who did so much for their pleasure and comfort. Mr. Langjahr comes from good gardening stock, his grandfather, G. Kretchmar, having been one of the pioneers in the Flatbush plant growing industry. Young Langjahr began his business experience in 1891, when he started out to sell the product of his uncles, Messrs. Kretchmar Bros, on commission, being the first commission dealer to locate in the City of Churches. His business has prospered and a good supply of flowers for Brooklyn passes through his hands daily. He has been appointed by President O'Mara as State Vice-President of the S. A. F. for eastern New York.

The Dielytra.

This is what I consider one of the best roots we have for forcing, or making a grand display in our herbaceous borders. Besides being easily grown, few plants are more useful. If you have roots plentiful in the borders get a spade and cut a little bit off each, and pot into 8-inch pots, or rather according to the size of your root. The potting mixture should be turf, leaf mold and sand, using one part of each. Light soil suits. Place in a temperature of 55° to 65° for a few weeks, and after they have grown one foot gradually reduce the heat of your house, as they flower well in a cool greenhouse once they are at that length. This is a plant that is not just finished after done flowering, as you can place the pots in any bare part of the stage for the sake of the nice fern-leaved foliage. The best

sorts are *spectabilis* and *s. alba*, which is quite new and superior to the older *spectabilis*. For the front staging of a conservatory, *D. eximia* comes in very useful, as it only grows about a foot high, and can do with even less heat than *spectabilis*. The graceful habit of the plant renders it invaluable for decoration. It should certainly be grown more extensively than at present.—T. S. Dick in *Gardening World*.

What Mr. Dick says about *D. spectabilis* is very true; but *D. spectabilis alba* is not by any means a new plant nor is it superior to *D. spectabilis*. I should say inferior, decidedly; hasn't got the constitution; neither is it a lovelier thing in any way; it will never be a popular plant with the million like *D. spectabilis*. That good old-fashioned flower is coming in again, and the trade will do well to get up a stock of it for the new generation. I would have liked Mr. Boyd to have included it among his "best twelve." I know he likes it. What could he have been thinking of? G. C. WATSON.

A Wreath On An Easel.

This arrangement again illustrates how important it is that a floral artist have a large variety of material that is not commonly provided by the wholesale grower. As can be easily seen the cut flowers are those now plentiful in market. Lily of the valley and cypripediums are used, softened and rounded out by a bed of adiantums, the balance of the wreath being Bridesmaid roses. Fastened to one leg of the easel is a plant of common cyperus turned out of its pot, wrapped in moss and wired securely. In this are stuck a few other grasses, some of which are in flower, and a few *Harrisii* lilies. The ball of moss and lower cross bar are covered with a few flat sheets of *Ficus repens*, as it is pulled off of a wall. The top of the easel is decorated with large fronds of *cibotium*, the beautiful tree fern, the most serviceable and graceful fronds that can be grown for cut flower work. Each one of these is put in a rubber topped glass tube as soon as cut, and are so wired on the easel as to take their natural growing position. There was no sign of a frond wilting at any time during the day. This arrangement stood in a large room, with a great variety of other pieces, some quite expensive on account of size and the number of high grade flowers used, but this one made a lasting impression upon all who chanced to see it. Florists generally are using too many flowers in their arrangements and make too little use of green. C. B. W.

The Chicago Florists' Club.

The carnation meeting and exhibition of the Florists' Club, held January 18, was one of the most successful in its history. The attendance was very large and two new members were elected, viz., John P. Risch, of Evanston, and Thos. Archer, of St. Joseph, Mich. The Galveston relief fund committee made a final report and was discharged. The carnation exhibition committee on awards, W. N. Rudd, Chas. Knopf and E. R. Gesler, presented a report in which the new varieties exhibited scored points as follows: Mme. Chapman (Henry Smith) 72; White Daybreak (W. P. Harvey) 79; Queen Louise (the committee regrets the variety showed signs of suffering from shipment) 81; Irene, 82; Lorna, 90; Egypt, 82; Norway, 92; Elinora, 82; Guardian Angel (G. A. Orphan Asylum) 85; Mrs. Higinbotham, 80; No. 78 (of



A WREATH ON AN EASEL.

Chicago Carnation Co.) variegated, 82; Mrs. Potter Palmer, 77; No. 101 (of Chicago Carnation Co.) white, 90; Pink Armazindy (M. Weiland) 75; Daybreak sport shown by H. Luedtke, Maywood, Ill., no improvement over well grown Daybreak, no award. General display—Well grown blooms of standard sorts as follows: Peter Reinberg, G. H. Crane, The Marquis, Genevieve Lord, Peru, White Cloud, Melba, America, Mrs. T. W. Lawson and Mrs. Frances Joost, also Golden Gate and Liberty roses; W. P. Harvey, Evanston; Bassett & Washburn, Red Bradt (extra fine), The Marquis, Gen. Maceo, Mrs. T. W. Lawson; Nathan Smith & Son, White Cloud, Melba; F. Dorner & Sons Co., Morning Glory; H. Weber & Sons, Genevieve Lord (extra fine); R. Witterstaetter, Enquirer (extra fine); Wm. Kurtz, Wm. Scott, Armazindy; Guardian Angel Orphan Asylum, Mrs. T. W. Lawson, Armazindy, White Cloud; Wieter Bros., White Cloud, The Marquis, Triumph, Flora Hill, America, G. H. Crane (extra fine) and Pink Armazindy; Anton Then, Mrs. T. W. Lawson (the best Lawson in the house), Flora Hill, Mrs.

Dean, Mrs. Bradt, Argyle, Triumph, G. H. Crane, Chicago, Mrs. Joost and Daybreak; M. Weiland, Chicago, Pink Armazindy, Gov. Griggs, Gen. Gomez, Genevieve Lord, Argyle, America, White Cloud, G. H. Crane, Evanston, The Marquis (extra fine), Mrs. Bradt, Estelle, Melba, Daybreak, also vase of cyclamens; John Hoeft, Flora Hill, Triumph, Jubilee; Eij Cross, fine collection of violets. In considering the awards it should be borne in mind that some flowers were staged several hours before others, which was hardly fair to those first in position. The committee is informed that exhibits of Prosperity and Gov. Roosevelt are on the way but have been delayed; the flowers have not arrived in time to be judged.

During the meeting three questions were put to James Hartshorne on carnations, viz: Is the bottomless pot a success? What new varieties of the season give the most promise? Is early lifting in summer preferable? Mr. Hartshorne replied as follows: "I can only state my own experience, and should it not coincide with your views there will be all the more chance for discussion of the subjects

herein mentioned. To begin with I can say very little for or against bottomless pot culture of carnations, as I have not tried the method myself, but I have seen it in use where the variety Mrs. F. Joost was used. At planting time the thricest plants were selected for the pots, the next best were planted out on the same bench in the ordinary way. The same treatment has been given both lots, and at the present time both batches look alike, so that would lead most of us to believe that there was no special advantage in the bottomless pot for carnation culture. But the way it appeals to me, it should be a good thing, as it keeps the plants and foliage from resting on the beds, affording a better circulation of air through and underneath the plants, causing less stem rot and keeping them in a healthier and stronger condition, thus enabling them to take up more stimulants. I do not for a moment believe there is enough in its favor to ever warrant a large grower to adopt its use entirely, but if I had a small place I think it would be worth a fair trial, for if I could grow only a trifle better grade with it it would be quite a feature in enabling me to hold my own with the growers who have a large amount of glass. I was informed a day or two ago that Dorner is using it very successfully and is well pleased with his experiment so far.

"What new varieties of the season give the most promise? The question, as I understand it, refers to the introductions of 1900. I am not in as good a position to answer this as one would be who had speculated in all the novelties in equal proportion. I settled the question in my own mind last spring, as every grower should aim to do. I place Lawson at the head of the list, Marquis next, and a

make the money when grown by the average florist. The Lawson, I always thought, and am now thoroughly convinced, is the best carnation ever offered to the trade, and when other growers have mastered its peculiarities as we have there is not the least doubt in my mind but that they will agree with me. I predict for it a great future and a longer standing than any other now in commerce. Marquis, too, is a most beautiful color, large, well formed flowers, and is a money maker, I believe, as we grow it. It is, perhaps, too early for any one to pick the positive winner of the others, though I must say Genevieve Lord is the best warm weather carnation I ever grew.

"Is early lifting in summer preferable? There is no doubt of it. Most every one is planting earlier than formerly. Even growers who never planted before September are now planting in July or first part of August. Why? Because they saw their competitors too far ahead of them. Since they have adopted the new method they are right in it for high prices. There are certain hard wooded varieties, Lawson for instance, and any variety that is slow to establish roots in the greenhouse must be planted early to insure success. It has been generally understood, and I think conceded by indoor growers, that a large amount of blooms can be produced from late planted stock, but I'm inclined to think that even that point will not be conceded when we become more accustomed to indoor growing or early planting. We have a large quantity of stock that was planted late last fall that will not give anywhere near the number of blooms as will stock of the same varieties planted in July; even should it do so the first crop was short stemmed and sold for just a verse of a

first, but as soon after as possible, and if they are all housed by that date so much the better. If we have unfavorable carnation weather outdoors to better advantage will the indoor stock show up; if favorable, then the difference will not be so marked."

The next meeting takes place Friday night, February 1, when there will be a discussion on greenhouse building, a very timely topic. It seems that despite the increased price of glass, the decreased returns and the increase of production, most of the growers still have the building bee in their bonnets, and pretty nearly every man in the trade is talking of increasing his range or rebuilding his houses after the most approved modern methods. In this connection, George M. Garland has been asked to talk on iron gutter construction, which is being tested by some of the biggest growers in this market. W. N. Rudd is also on the programme for remarks anent iron versus wood construction. It is to be hoped there will be a good attendance at the meeting.

A Fine Specimen Cypripedium.

The photograph reproduced herewith shows a superb plant of Cypripedium. × Mrs. Charles Canham (C. superbiens and C. villosum), carrying twenty-seven flowers, exhibited before the Massachusetts Horticultural Society on December 29 last, and awarded a bronze medal for superior culture. Mrs. F. L. Ames' extensive collection comprises many other large specimen cypripediums, as well as many of the choicest cattleyas, laelias, laelio-cattleyas, dendrobiums, odontoglossums, masdevallias and other orchids.

CARNATIONS.

KEEPING QUALITY.

There has recently been considerable discussion about the poor keeping qualities of fancy carnations and much speculation as to possible remedies for the defect, some going so far as to aver that the popularity of the cut flower is threatened. No flower other than the carnation is influenced to the same extent by its environment, and in many instances it may be found by experiment that lack of keeping quality is the result of local causes, but the trouble is wide spread and in a general way the demand for large flowers may be cited as the root of the evil. Large flowers are produced by an almost continuous system of forcing, which is not conducive to hardiness, and the flowers, when put up for sale, must be at their fullest stage of perfection, almost ready for dissolution.

At just what point in the feeding process one should stop in order to secure both size and keeping quality in the cut bloom is a detail that each grower will have to determine for himself. The discovery of an element which can be added to the soil to impart keeping quality to the flowers is also a matter for individual experiment, although the experiment stations have better facilities for such work than have most growers, and might give much valuable assistance in this direction.

But for some time to come we shall have to rely upon the more simple process of cutting our flowers at that stage of their development when they will absorb the greatest quantity of water, this being just prior to the full development of their petals. If cut in this stage, put into luke-warm water and placed in a moderately lighted room with



CYPRIPEDIUM × MRS. CHARLES CANHAM.

toss up between the others. We are growing those two by the thousands, while we have the others by the hundreds only, in quantity perhaps hardly large enough for us to say much in regard to them. I believe Morning Glory to be a very good commercial sort in its color, a very pale pink. As I have seen it, it is a very free bloomer and those are the ones that

ragtime song. The second was cut in time for the holidays, and if we get the third it will be so late in the season that we cannot expect fancy prices, whereas we can always demand a fair price for blooms of stock planted early, and can depend upon a more even supply throughout the year. I don't think it is absolutely necessary to plant in before August

a temperature as nearly 45° as it is possible to maintain they will in a short time absorb sufficient water to fill all of the little cells and give them that rigidity of petal and rustle when handled that makes them the delight of the wholesale and retail buyer.

There is one very serious objection to this process of cutting the flowers while they will retain this freshness for several days, and that is the fact that the buyer for the retail store will not pay as high a price for them as for flowers that are more fully developed, but which have lost their keeping properties. Hundreds of such instances can be cited but one of recent occurrence will be sufficient to illustrate this point. A grower who has a fine lot of Peru had been sending them to his commission house in such a stage of development that they would keep and improve for a few days, but the price received was such a trifle that he wrote for information and received a letter in reply stating that the flowers were too small and the retail men would not pay any price for them. His next move was to leave the blooms on the plants until every little petal had attained its full development and the flowers were almost ready to go to sleep. These flowers bring him over twice as much as those formerly sent in and yet the consumer is lucky if they are not asleep ten hours after buying them. And one cannot blame the grower.

On the other hand, the retail man has, I presume, the same trouble with his customers, and can get twice as much for a flower that will not keep as he can get for one that will keep a week, because the latter is not so large and fine looking when first bought. This throws the blame for the existing conditions onto the real consumer of the flowers, a party very hard to reach from the growers' end of the business. These people can be reached by a combined effort on the part of the retail men to educate consumers into buying such flowers as will give good satisfaction in preference to those which will last but a few hours, but this will be a tedious process.

A practical demonstrator at every flower show all over the country could do much good in this line by demonstrating with flowers as his models the sort of flowers that buyers should select to get the most satisfaction for their money. This would reach a large number of buyers and if well advertised would be quite an adjunct to the show.

A closer affiliation between the retail men and the growers would result in a great improvement all around, but a systematic education of the buying public would bring results that can be obtained in no other way. If we all work together we can, in the course of a short time, get remunerative prices for flowers that will keep and the consumers will realize that they are getting more for their money than when they paid the top price for flowers in their last stage of development.

ALBERT M. HERR.

A Christmas Bouquet.

That good results may be attained with simple materials is shown by the accompanying illustration of a pretty Christmas decoration that was evolved from meager supplies. Trails of *Asparagus plumosus* remaining from the decorations of a September wedding were preserved in a cool place and combined, as shown by the illustration, with bitter-sweet berries gathered in October. The bouquet was then set away in a cool



A CHRISTMAS BOUQUET.

room and brought out for the Christmas festivities in rather more attractive guise than when first made, since the asparagus had retained its color and the berries were improved by having opened their orange scarlet pods to disclose rosy scarlet interiors. The ornamental effect of this combination is retained indefinitely and the bouquet was finally banished from society not from impaired beauty but because the slightest breath of air scattered the dried foliage of the asparagus in an almost impalpable but annoying green powder. No water was used in the vase after the addition of the berries so that there was nothing offensive or unsanitary in keeping the ornament for so long a time, and the airy effect of dried asparagus proved unexpectedly pleasing. If such good results can be obtained with what may be termed second hand material of this class, fresh asparagus vines would seem to deserve more general recognition as Christmas greens. S.

WITH THE GROWERS.

AT OMAHA, NEBRASKA.

Recently I paid a visit to Hess & Swoboda's place and was very much pleased with all that I saw. The establishment is a good example of what men with push can do. Some dozen years ago Hess & Swoboda had only a few tumble-down houses, but to-day it is about the best establishment in the city, consisting of sixteen or seventeen large houses very well stocked. Their Meteor roses are very strong plants and the flowers are something that we do not see every day, as they have long stiff stems and good color. Their Brides and Kaiserins have every merit, while their Beauties have long, stiff and well foliaged stems, large buds and are free from black spot. They have a few hundred plants of the ever popular Perle, for which there is always a demand.

The violets are not as good as are usually seen here, but then inferior violets

seem not uncommon with good growers everywhere this year. However, the Californias are very good. Their cinerarias are remarkably fine, being nice, stocky plants with good spikes of flowers. They had a few in for Christmas and these sold at good prices, as did the azaleas, primroses and cyclamens, of which they have very fine collections. Some of the carnations which Hess & Swoboda grow are Flora Hill, which seems to split its calyx considerably in this neighborhood; G. H. Crane, Chicago, Mrs. Bradt, Argyle, Gen. Gomez, which is loaded down with buds; the old favorite, Lizzie McGowan; Armazindy, Jubilee, Evanston and, best of all, Mrs. Frances Joost.

They have built one new house across the street from the old houses and intend in time to build more. The last new house is very high and the Beauties that will come out of it will be a sight to behold. They have all the glass on but the piping is not as yet entirely finished. The boiler-capacity that they have provided for this house is an indication that we can look forward to seeing them put up more glass in the near future. They have about 2000 lilies, Harrisii and longiflorum, and there is very little disease among them. They did well on poinsettias during the holidays and at all times carry a good stock of palms and ferns.

A. Donaghue's place is looking very good, especially the house where they grow the Golden Gate rose. They had a very good crop of these in just before the holidays and their Meteors also came in just in time. Their Brides and Bridesmaids were of a good color but seemed somewhat off crop. They have some of the last two varieties in solid beds but they are not as good as they should be; the gardener in charge said that they had been somewhat neglected in the summer.

Mr. Donaghue's carnations are looking very well, with the exception of one house of mixed varieties. Gold Nugget has a nice stem and large flowers with very little red in them. Jubilee is looking very good, as they all have fine, stiff stems and large flowers. Triumph, Lizzie McGowan and Flora Hill are some of the other varieties that were seen, and Frances Joost, which was the best on the place. They have planted their five new houses and a propagating house thirty feet long with carnations. They have several varieties of violets but none seem as good as usual. California, La France, Princess of Wales, Lady Campbell and Marie Louise are all grown here.

George Zimmer's place is in the best of

condition and the carnations that he grows are very fine. He has Daybreak, Jubilee, Lizzie McGowan and Scott which are as good as are seen anywhere. He picked about 1500 California violets for Christmas and received 2 cents a bloom wholesale. He also had a nice lot of Marie Louise. R. J. M.

Queen Victoria's Letter.

The letter from Queen Victoria, thanking the Floral Exchange Corporation for its gift of Queen of Edgely roses, is here seen in facsimile. The flowers seem to have been sent at a very opportune time, as they gave pleasure to the Queen and helped to grace and enliven what has proved to be her last Christmas festival. The letter being one of the last few letters that her majesty directed to be written, is doubly valuable and is prized highly by the Floral Exchange Co. The fact that the roses arrived in such good order is interesting as showing how long flowers can be kept if the proper precautions are taken. Another box is shortly to be shipped to Berlin, Germany, as well as to an English rose society meeting.

ROSES.

BACKWARD BRIDE AND BRIDESMAID ROSES.

ED. AM. FLORIST:—Can you prescribe for Bride and Bridesmaid roses that are now in backward condition? The plants were of medium size when heched in heavy soil which contained no fertilizer. Liquid manure has since been applied, also bone flour, but the leaves are turning yellow. Temperature 55° to 60°.

L. P. S.

From the above I can hardly understand what is meant, at least the conditions are not stated with clearness to insure an intelligent answer. But, if I comprehend it rightly, it means that the plants have not made much growth and now the leaves are turning yellow. The reason for the poor growth is easy enough to solve. They did not have the proper food. If "L. P. S." wants his roses to make good, vigorous growth and produce flowers in quantity he must give them something besides ordinary soil to feed on. In other words the compost for growing roses successfully must be made rich with some kind of fertilizing material before planting the roses. Good manure is by far the best. Lacking this, mixed with the soil, no amount of liquid manure afterward will supply the desired element to make up for lost time in get-

ting healthy, vigorous growth. To plant roses as above, in ordinary soil, without any addition of fertilizer, and expect them to go on working hard continuously for the season is about as reasonable as it would be to feed a man on bread and water for a year or more and then expect him to work hard day and night for another year on the same diet. The cause for the leaves turning yellow on the plants in question may be any one of the following. The bone flour may have had some deleterious matter in it; acids are often used in dissolving the bone; or the liquid manure may have soured the soil; or the soil itself may contain eel worms, which are now affecting the roots. Which of these is the cause can only be determined by careful investigation of the soil on the benches. JOHN N. MAY.

TROUBLE WITH BRIDES AND BRIDESMAIDS.

ED. AM. FLORIST:—What is the cause of unhealthy condition of my Bride and Bridesmaid roses, shown in samples forwarded by express? The growth of the plants was splendid until about three weeks ago, when the trouble started with one plant and spread to the others. Golden Gate and Wootton in the same house are fine. P. L. B.

The sample plants from "P. L. B." had, on arrival here, all the appearance of being starved to death by lack of water. Every particle of the soil at their roots was so absolutely dry that it looked as if dried by furnace heat. It does not follow that the plants were kept too dry in their beds when growing, but appearances favored that condition. I failed to find any trace of disease about the roots. The actual cause of the trouble may be found in the soil itself or something such as the manure or bone used in the compost. The roots of Bride and Bridesmaid are more easily affected than those of the other two varieties named. To locate the actual cause of the trouble it will be necessary for "P. L. B." to investigate these things thoroughly himself, as he has the only means of doing so, being familiar with all the materials used, their source of supply, etc. JOHN N. MAY.

Horticulture at the Pan-American.

Horticultural exhibits at Buffalo will have a beautiful setting in and about an exceedingly handsome building 220 feet square. The height of the building is 236 feet to the top of the lantern, and the

The Private Secretary is commended by the Queen to thank the President of the Floral Exchange, for the beautiful roses, which the Corporation have been good enough to send to Her Majesty, and with which

The Queen is greatly pleased. The roses arrived in good condition, and are greatly admired by Her Majesty, who has assured this expression of her thanks and pleasure to be conveyed to the Floral Exchange Corporation.

An their gift.
26th Dec 1900
The President
The Floral Exchange
335 N Sixth Street
Philadelphia.

QUEEN VICTORIA'S ACKNOWLEDGMENT OF THE RECEIPT OF QUEEN OF EDGELY ROSES.

general proportions are of commanding grandeur. Situated in a position of great prominence on the western side of the grounds, the approach from the east is through the esplanade, past the basins of aquatic plants, the fountains and the great urns containing beautiful tropical foliage effects; up the curved incline which is bordered by many odd varieties of fruiting trees and shrubs, to the magnificent doorway which is the subject of the accompanying illustration. Probably no horticultural exhibit has ever had such elegant and appropriate surroundings and no former display has been so well worthy of it.

The horticulture building is connected by semicircular conservatories with the graphic arts building to the north and the mining building to the south. These conservatories are themselves very beautiful architectural features of the exposition and the fine floral displays in them will enhance their attractions to visitors. They connect the three buildings in this group but are distinct and separate buildings, having their own individual style and their exhibits of entirely different character. The court upon which the three buildings of the group face contains one of the superb esplanade fountains.

Fruits of all kinds will be placed on exhibition during the summer. Much of the fruit will be preserved in cold storage, though the exhibit will change as the season advances and the different varieties ripen. A number of states have made arrangements to provide collective exhibits that will properly represent the horticultural products of their particular section. California is arranging for a special exhibit of the wonderfully diversified fruit productions of that state. Other states are taking the matter up with the prospect of making the horticultural exhibit the most complete ever attempted. The same care that characterizes other sections of the exposition will be given to the horticultural division with the view of making it representative as to character rather than exhaustive in detail.

Large as the horticulture building is it will not contain all the horticultural exhibits. A plot of ground has been provided extending across the west front of the building on the opposite side of the grand canal, and extending south as far as the Elmwood gate. This plot has been under course of preparation for many months and will present a restful attraction in pastoral contrast to the hum of busy, energetic action which will be so characteristic of other portions of the exposition.—*Pan-American Memorandum Sheet.*

Connecting Pipe With Heater.

ED. AM. FLORIST:—Kindly inform me how I can connect 3-inch wrought iron pipe with a No. 16 Hitchings heater, which has opening for 4-inch cast iron pipe. E. E. V.

A caulking ring to screw on the end of the pipe can be made by splitting an ordinary coupling. If the bell on the heater is a deep one, it is sometimes possible to use a short coupling, but a split coupling will generally be more satisfactory. After screwing the couplings on the ends of the pipes they can be inserted into the bells on the heaters and caulked the same as cast iron pipe. If the crack between the coupling and the inside of the bell is a wide one it is a good plan to use for caulking it a rope of as large size as possible, rather than oakum. L. R. TAFT.



ENTRANCE TO HORTICULTURAL BUILDING, PAN-AMERICAN EXPOSITION.

New York.

SCARCITY OF ROSES BRINGS BIG ADVANCE IN PRICE.—CARNATIONS PLENTIFUL AND IN DEMAND.—VIOLETS ARE OVERDONE — BRIGHT PROSPECTS FOR THE IMMEDIATE FUTURE.—VARIOUS NOTES.

The past week has been one of scarcity in the rose market such as New York has not experienced in many years. All varieties have been in the same predicament but Beauties have felt the pinch most effectively and values have been nearly double what they were earlier in the month. On all roses of desirable quality the prices have soared well toward Christmas rates. Of carnations there is a good supply coming in but, notwithstanding this, returns have been better on these than they were last week, a result attributable probably in part to the difficulty of obtaining roses. The same influence has affected favorably the sales of bulbous material, there being a considerable amount of funeral work done, for which white bulbous stock must be made use of, and the scarcity of roses leaving a good opening for everything having color. Tulips and daffodils are getting into better shape every day. Cattleyas are more plentiful and many of them are being used for choice work. Violets alone seem to be overdone; they come along faster and faster, with a consequent downward tendency in prices and must be very choice to obtain recognition anywhere, the low grade lots being practically unsalable under these conditions. Excepting as to violets cut flower prospects are all that could be

desired for the next two or three weeks. Should the weather be warm and sunny, however, there is scarcely any limit to the amount of violets that the street dealers can dispose of at prevailing low rates. There are still many chrysanthemums of good quality, in several varieties, in this market. They look decidedly out of place among the daffodils and blooming spring shrubbery.

A story went the rounds of the daily papers last week to the effect that millionaire Rockefeller had cornered the American Beauty market for the benefit of his daughter's wedding. As the largest growers could scarcely show up a handful of blooms at any time last week the feat was nothing extraordinary and would not have disheartened even the most retiring Twenty-eighth street wholesaler. By the same token, wholesalers were very scarce in their customary haunts for several days at that time. Their absence was attributed to "grippe," but it is surmised that some of them were on the skirmish line, giving friendly grips to Madison rose men "and sech."

The New York Gardeners' Society held its quarterly meeting, which was also its annual meeting, on Wednesday evening, January 16, but the attendance was so slim that it was decided to postpone the election of officers and other business to a special meeting assigned to Saturday evening, February 2, at which time an exhibition of new carnations will be made.

George L. McGarrett, who has been bookkeeper at Alex. McConnell's for thir-

teen years, was married to Miss Jessie A. Worrell, on January 7, at St. Patrick's cathedral.

The veteran florist, E. E. Bogan, has been quite seriously ill for some time. Everybody hopes to see him around again soon, in accustomed health and spirits.

The affairs of the Bridgeman Company have finally been settled by Assignee Sheridan and the creditors will receive twenty-two and one-half per cent of their claims.

H. C. Rath's seedling, Bertha Rath, is said to be the finest white carnation being brought into the Thirty-fourth street flower market this season.

Julius Roehrs is assisting in the camellia revival by sending in some beautiful little specimens in bloom, which are finding favor with critical buyers.

Visitors in town: E. M. Wood, Boston; Carl Jurgens, Jr., Newport.

Boston.

DIMINUTION OF THE ROSE SUPPLY OPENS AVENUES OF USEFULNESS FOR MANY OTHER FLOWERS—VIOLETS SADLY DISCREDITED.—STRIPE D CARNATIONS IN LARGE SUPPLY.—A VISIT TO WABAN.—PROSPECTS FOR A BIG CROP SOON.—NOTES.

In common with other important flower markets, Boston is enjoying at present a famine in roses and a surfeit in gripe. The rose growers in this vicinity are all "off crop" and, the height of the buying season being now on, the pinch is felt rather severely. Its effect on growers of other varieties of cut flowers is very gratifying, however, as when roses cannot be readily obtained buyers turn willingly to something else and thus lily of the valley, carnations, daffodils, etc., all benefit in some degree. Violets, alone, seem so abundant that nothing affects their present destiny, which seems to be to be disposed of for anything the buyers are willing to pay for them. Carnations have experienced a decided improvement since last week. The number of variegated flowers coming in, such as Mrs. Bradt, seems to be close to the danger mark, the demand for this sort being sharply limited, regardless of how well they may have been grown, and a dealer is, as a rule, safer with a thousand Scott than with a hundred Bradt. Lily of the valley, as now coming in, is shorn of much of its attractiveness, being all of the new crop of pips and almost devoid of any foliage.

A visit, this week, to the Waban Rose Conservatories found that noted place in the same condition of minimum product which is the case elsewhere, but a tremendous crop of enormous flowers is in sight and it will be but a few days before the clippers will be clipping merrily again. The chrysanthemum houses, which are filled with hybrid roses for spring flowering, are taking on an interesting appearance. Brunners are the mainstay in this department but there is one lovely rose that Mr. Montgomery seems to be especially attached to and that is Mrs. Sherman Crawford. Its big, strong canes and vigorous breaks give promise of big results in due time. In the Libertyhouse prosperity in the near future seems assured, all traces of black spot having disappeared and the plants growing and budding vigorously.

Paul Berkowitz, of Philadelphia, was a guest of the Horticultural Club on Thursday evening. H. F. A. Lange presided. Lawrence Cotter is rejoicing over the

advent of another fine daughter, who arrived on Sunday, January 20.

W. C. Bowditch, the Grove Hall florist, was married on January 18, to Miss Mary F. Annable, of Newton.

Visitors in town: Mr. and Mrs. Frank Millang, New York; Jas. McHutchison, New York.

Philadelphia.

TRADE FAIRLY ACTIVE AND SUPPLIES SHORT IN MANY LINES.—ALL ABOUT THE PRICES THE RETAILER HAS TO PAY.—AMONG THE NEW ROSES.—LADIES' NIGHT AND OTHER NOTES

Business is moving along at a good pace, the demand keeping slightly ahead of the supply. The bare shelves of the cool rooms of the wholesalers, are painfully apparent, a single glance being sufficient to get a line on the stock. The occasional buyer fares badly these days, the regulars having the call. The only flowers at all plentiful are carnations, of which there seems to be quite a stock about; prices range from \$1.50 to \$4, with \$5 to \$6 asked for a few of the fancies, notably Crocker, Lawson and G. Lord. Weber & Sons are sending some of the last two named, to S. S. Pannock, that are certainly hard to beat and which a year or two ago would have aroused enthusiasm even among the experts at the February meeting. Beauties are still scarce; they have fallen off greatly in quality. The growers say, however, that in a week or so the crops will be on again, with first-class flowers. Teas, particularly Bridesmaids, sell on sight; 15 cents is still the price for the extras, while the next grades readily bring 10 cents to 12 cents. Brides are about the same figure, but not quite such good sellers. Liberty ranges from 12½ cents to 35 cents, with all grades selling well. Daffodils are slow coming in, the Italian single seems to lack substance and it is hoped the Trumpet Major and similar varieties will soon be on the market, as there is a great demand for yellow flowers. Freesias are coming in and seem to sell well at from \$2 to \$4 per hundred. Violets are now all that can be asked as to quality. Both single and double varieties are plentiful and fine; the prices are 75 cents to \$1.50 for the doubles and 50 cents to 75 cents for the singles. Lilac sells for \$1 to \$1.50 per dozen sprays and is in good demand. Tulips are also to be seen, prices ranging from \$3 to \$4 per hundred, the same rates being asked for lily of the valley.

Sharon Hill, the home of the Robert Scott rose, has become quite an important railroad station of late, as so many rosarians from different parts of the country, being anxious not to let a good thing slip away, are calling to see it for themselves. With two such novelties of the same class to enter the race with the Beauty next season, the contest will be an exciting one. We hear of a house 50x300 shortly to be under way and ready to be filled with one of the new ones by June 1. It would seem as if one could cut a handful from this territory almost any time, whether the weather suited or not.

Ladies' night at the club last Wednesday night was a memorable occasion. There was a large attendance of the fair sex and every one present seemed to enjoy himself hugely. After refreshments had been served the contest on the shuffleboards and bowling alleys for the ladies only were played and some very creditable scores made. K.

Chicago.

MARKET ACTIVE BUT ROSES ARE SHORT AND ORDERS HARD TO FILL.—CARNATIONS PLENTIFUL AND VIOLETS TOO NUMEROUS.—RETAILER FREEZES OUT AND FAILS.—PLANS FOR NEW RANGES.—GREENHOUSE BUILDING PROMISES TO BE HEAVY.—VARIOUS ITEMS OF LOCAL INFORMATION.—VISITORS.

The current week started off with very active business, the local trade being good and shipping very heavy, but the supply of roses was decidedly inadequate to meet all calls. There were, of course, considerable supplies of indifferent grades of stock which were almost good for nothing, but first-class roses have been a scarce article all this week and indications are that they will not be plentiful for some days to come. The weather is very unfavorable for getting in the new crop. Beauties have shown some slight improvement but they are not yet anything to brag about, although the buyers seem very willing to take them as they are. Carnations there are all kinds and all qualities. While prices obtained for carnations have not averaged as well as last season, the demand for good grades of carnations is now excellent. It is not always easy to get an adequate price on the strictly fancy grades of some growers and the cheap qualities are indeed cheap, but good medium stock is selling satisfactorily, and that is the main point. It seems that carnations have not possessed good keeping qualities since the beginning of the cold, dark weather. Just why this is the growers seem unable to agree, a half dozen causes being alleged, but nevertheless there is quite a little complaint that sometimes even those of the very first quality go to sleep before they can reach their destination on shipping orders. There was a small avalanche of violets early this week and prices went down to a very low level. The best bunches of most of the shipments sold out fairly well but some clean-up sales were made at unheard of prices for January. Prices, furthermore, which would have caused many of the growers of Lady Campbell deep anguish had they been present and seen the urging and exhortation necessary to induce the Greeks to pay more than 5 cents a bunch for the stock which was left after the retail man had picked out one bunch from every ten. Lily of the valley seems to be hardly up to the usual grade at present, but of other bulbous stock there is all that trade demands.

John Blanck, at 160 Forty-third street, froze up on the night of January 17 and on Tuesday filed a petition in bankruptcy, scheduling liabilities of \$2,900 and estimating his assets at \$3,200. Henry T. Wilson, room 618 First National Bank building, is now in charge of the place, in which there has been no heat since the boilers broke down more than a week ago. Mr. Blanck had a neat retail store and five greenhouses fairly well stocked with palms and ferns, Boston fern and material for filling baskets being the principal items, although there were something like 200 azaleas on hand. These were recently imported and are said to have arrived in a badly damaged condition. There were three boilers on the place, two of them operated by natural gas, and these it was which failed when the other was in such condition that it was impossible to get up steam with coal. Mr. Blanck was supposed to have been doing a good business and his liabilities are mostly owing outside the

trade. The stand is a good one and the neighborhood will not be allowed to go wanting for flowers, for J. G. Steinfield, who formerly conducted a place at Cottage Grove and Thirty-first street, has opened a nice appearing store on the corner of Drexel boulevard and Forty-third and the Drexel Floral Company, consisting of Mr. Blanck's sister, his former foreman and others, have opened at 163 Forty-third street.

Peter Weiland, son of M. Weiland, is in New Castle, Ind., in search of a site upon which to build a range of carnation houses. Mr. Weiland is a very competent carnation grower, although only 23 years of age, and it is reported that his uncle, Peter Reinberg, will put up a fair sized range of houses adjoining the young man's contemplated investment, leaving them under the latter's management.

McKellar & Winterson are re-arranging their establishment, putting the cut flower department in a space well suited to it in the front of the basement and arranging the supply department to much better advantage in the enlarged room thus afforded.

W. F. Kyle, of Kennicott's is rejoicing over the advent of a ten-pound boy at his home last Sunday, and Grandpa Kyle is already over from Kalamazoo to join in the congratulations.

A. Lange's window has had Roosevelt and Prosperity carnations as its attraction this week. They received the attention of everyone who knew that they were new.

Weiland & Risch are preparing to put up some propagating houses and had intended quite an addition to their range had not glass leaped to unattainable altitudes.

Forehanded Peter Reinberg took occasion to lay in something over 200 boxes of glass last week while the price was still within reach without a stepladder.

Robert J. Purvis, an early settler and a pioneer in the greenhouse business, died at Edgewater, Monday afternoon, at the ripe old of 88 years.

George Reinberg proposes to not only rebuild his oldest houses this year but also to add six new 300-foot houses to his range.

O. P. Bassett and Mrs. Bassett started on Monday for Palm Beach, Fla., expecting to be absent in the south for several weeks.

The fronds of *Nephrolepis Wittboldii* have been used in some very nice cut flower work of late.

Bassett & Washburn have it in mind to build another of their long houses this season.

Albert Amling will build two big houses this spring.

Visitors: Meyer Heller, Wm. Dittman, New Castle, Ind.; Henry Smith, Grand Rapids; Otto Will, Jas. Souden, Minneapolis; Chas. Knopf, Richmond, Ind.; M. F. Kyle, Kalamazoo, Mich.

ADRIAN, MICH.—Watson Johnson, at one time with E. G. Hill & Co., at Richmond, has purchased an interest in the business of M. J. Pierce, who has been established for several years. Pierce & Johnson will give particular attention to field grown carnation and violet plants.

MONMOUTH, ILL.—A voting contest for a piano worth \$400 was recently decided here, various merchants for several weeks giving a blank ballot to each customer for each 10 cents worth purchased. Miss Anna Hewitt, who has charge of Thomas Hewitt's flower store, won, having 925,142 votes.

St. Louis.

TRADE IS VERY FAIR AND SUPPLIES ARE WELL CONSUMED.—BEAUTIES SCARCE.—MICHEL COMPANY PROPAGATING FICUSES.—VARIOUS NOTES.

Trade has been very good of late and the wholesale market is pretty well cleaned up each day, although there have been a few more Bridesmaids than were necessary. What few Beauties are seen find ready buyers at from 10 cents to 35 cents each. The teas bring from \$3 per hundred, for short stems, to \$8 for the best. Carnations run from \$1.25 to \$3 per hundred. Violets have been coming in very heavily for the last few days, bringing only 40 cents a hundred, and can even be had for less if bought in large lots. Some nice lily of the valley is coming in and finds willing buyers at \$4 and \$5 a hundred. Homan hyacinths and narcissi bring \$3 a hundred. Smilax, of which there is not too much good stock, is bringing from 12½ cents to 15 cents a string.

At the Michel Plant and Bulb Company's place they are hard at it again in making *Ficus elastica* cuttings and will have a large number to put on the market. They planted out quite a number of plants in one of their greenhouses this fall and now they have them all wrapped in moss after giving them the usual little "love cut." Their houses are in the best of condition and some of the stock is excellent, especially the cyclamens, of which they had quite a number of splendid plants in 4, 5 and 6-inch pots. They have quite a demand for them at retail and also wholesale quite a number. All their other flowering and decorative stock is in good shape and this year they have gone in quite heavily on nursery stock.

R. W. Englert, formerly of Chicago, is working for the Plant Seed Co.

R. J. M.

Pittsburg.

TRADE FAIR AND PRICES HIGH BECAUSE OF SHORTAGE IN SUPPLY.—IDLE TALK OF A GROWERS' COMBINE.

For the week past business has been steady, flowers scarce and wholesale prices high. The quality of flowers has been good considering the weather, which has been very dark. Beauties practically disappeared ten days ago. Bulbous stock still continues rather backward. Many of the growers made a failure of forcing single daffodils and the market is very short on them. There are plenty of Romans and Paper White narcissi, and tulips are coming in quite freely and are very good in quality.

There is some talk of a combination being formed among the growers. Several of the prominent florists, when approached in regard to the matter, denied having anything to do with the project and for many good reasons the growers in this vicinity could not successfully form a combination and all talk of it simply falls upon deaf ears among the largest and most successful of them.

WOODWARD.

MARLBORO, MASS.—F. A. Howe has sold his greenhouse business to W. L. Lewis, who has been associated with him in business for the past few months.

KINGSTON, N. Y.—The conservatories of Charles B. Stow, on Broadway, were damaged by fire and a valuable lot of palms and ferns destroyed at midnight, on Saturday, January 19. Loss is estimated at about \$2,000.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Mondays of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets four times a year on call of executive board. W. E. Fischer, Sec'y, Horticultural Hall.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. First and third Friday of each month, at 8 p. m. Charles Hunt, Sec'y, 84 Randolph street, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. S. Bartlett, Sec'y, 313 East Second street.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Mondays of each month, at 8 p. m. A. H. Graham, Sec'y, 2549 Euc id avenue, Cleveland.

DES MOINES, IA.—Des Moines Florists' Club, at various florists' establishments. Last Monday in each month, at 8 p. m. J. T. D. Fulmer, Sec'y, 702 Walnut street, Des Moines.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Horticultural rooms, State House, Indianapolis. First Tuesday of each month, at 8 p. m. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House, Thursday evenings, at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-ninth street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg day Flower Co., 504 Liberty street. Second Tuesday of each month, at 8 p. m. T. P. Langhans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardener's Club of Rhode Island, 96 Westminster street, Providence. Second Thursday in each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 8 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 438 Spadina avenue.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge Sec'y 616 Washington street, Hoboken.

MALDEN, MASS.—J. F. Harrington has gone into bankruptcy; liabilities are \$1864 40; assets, none.

ALEXANDRIA, IND.—Tony Lehman's lettuce house was damaged to the extent of \$50 by fire on the morning of January 17.

ELM GROVE, WIS.—Herman Staeps sailed for Europe January 10, combining business with pleasure. He expects to return before March 1.

HARTFORD, CONN.—Frank D. Ranney, a former member of the Regular army and for some time employed by G. G. McCluney, attempted suicide January 8, but only lacerated the tendons of his left wrist.

THE AMERICAN FLORIST

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive inser-
tions, as follows—8 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Cover space sold only on yearly contract at
\$1.00 per inch, net, in the case of the two
front pages, regular discounts ap-
plying only to the back pages.

The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen and Nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THE U. S. Senate has passed the new
revenue bill, removing, among other war
taxes, the stamp tax on express receipts,
beginning July 1.

EXHIBITION prize lists should be always
distributed early in the year so as to give
prospective competitors and exhibitors
an opportunity to select the right stock
to grow.

MUCH inconvenience and unpleasant-
ness will be avoided at the forthcoming
carnation and rose exhibitions by ship-
ping exhibits so that they will arrive in
good season.

NYMPHÆA FROEBELI is described (with
colored plate) in the *Garden* as a new
seedling of *N. alba rosea* raised by Otto
Froebel, of Zurich, Switzerland. The
blossoms are said to be large, dark fiery
carmine in color, deep scarlet in the
center, and the stamens bright vermilion
with yellow tips. The plant is recom-
mended for tanks, small fountain basins
or tubs.

To Carnation Growers.

The New York Florists' Club extends an
invitation to carnation growers to send
exhibits of their seedlings and novelties
to the next meeting of the club, which
takes place on Monday evening, Feb-
ruary 11. Packages addressed to the
secretary, John Young, 51 W. Twenty-
eighth street, will be properly cared for
and meritorious exhibits will receive due
recognition from the club. This oppor-
tunity for bringing their product before
a large number of liberal buyers, many
of whom will not be able to attend the
Baltimore meeting of the carnation
society, will be appreciated by growers.

A Card for the Adams Express Co.

In arranging for the shipment of Gov.
Roosevelt and Prosperity carnations to
the Chicago Florists' Club's carnation
exhibition, the Adams Express Company
stated that they had a train leaving New
York at 2:10 p.m., arriving at Chicago
at 2:50 the next day, and promised im-
mediate delivery on arrival. Telegrams
were sent instructing shipments on the
train mentioned, but deliveries were not
made until the day after the exhibition—
some twenty hours after the time agreed
and the Chicago florists were disap-
pointed by not seeing these two much
talked about new varieties.

This seems to be very much in line
with the comments made at the Buffalo
meeting of the American Carnation
Society on the express company's way of
doing business.

The Best Every Way.

AM. FLORIST CO.—We find the AMERI-
CAN FLORIST the best for the florist and
for promptness in delivery.

FULLE BROS.

Richmond, Ind., January 21, 1901.

Greenhouse Building.

Fayville, Mass.—George Cantello, one
house.

Burlington, Vt.—G. H. Allen, range of
houses.

Minneapolis, Minn.—Wm. Donaldson
& Co., range of 30,000 feet. O. Will,
carnation houses.

Chicago, Ill.—Geo. Reinberg, six 300-
foot houses.

Canterbury Green, Conn.—Geo. Smith,
one house.

Coatesville, Pa.—James Brown, one
house.

Kingston, N. Y.—Geo. Baer, range of
houses.

Lawrence, Mass.—Chas. H. Hall, one
house.

The Price of Glass.

Co-incident with the announcement
that the two window glass trusts have
combined on new discounts which affect
a large advance in prices comes informa-
tion that the National Window Glass
Jobbers' Association has contracted to
take 700,000 boxes at the new price, and
that until this supply is exhausted (it is
for delivery to the jobbers during Jan-
uary and February) a new scale of dis-
counts will apply, making a practical
advance of thirty per cent over the prices
the jobbers have asked from September
to January. The following is the jobbing
association's price list:

SINGLE.—PRICE PER 50 FEET.

Sizes.	AA.	A.	B.
6x 8 to 10x15.....	\$24 75	\$22 75	\$22 00
11x14 to 14x20.....	26 15	24 50	23 00
12x13 to 16x24.....	28 75	26 50	24 50
18x22 to 20x30.....	29 75	27 50	25 50
20x20 to 24x30.....	32 25	29 50	26 50
15x36 to 24x36.....	37 00	32 00	29 00
26x28 to 30x36.....	37 34		
28x32 to 30x40.....	39 75	36 00	32 00
30x30 to 30x50.....	47 50	43 00	38 00
34x36 to 30x54.....	49 00	41 75	41 00

DOUBLE.—PRICES PER 50 FEET.

Sizes.	AA.	A.	B.
6x 8 to 10x15.....	\$31 75	\$30 50	\$29 00
11x14 to 16x24.....	39 25	36 25	35 00
18x22 to 18x24.....	44 00	41 00	37 50
20x20 to 20x30.....	47 50	44 00	40 00
15x36 to 24x30.....	50 25	46 50	42 00
26x28 to 24x36.....	51 25	48 00	44 50
26x34 to 30x40.....	53 00	51 00	46 50
30x30 to 30x50.....	56 50	54 00	49 00
30x52 to 30x54.....	61 00	55 50	50 00
30x56 to 34x56.....	63 75	57 75	52 00
34x58 to 34x70.....	67 50	61 50	55 75
36x60 to 40x60.....	71 25	64 75	58 75

DISCOUNTS.

Less than car lots, 85 and 5 per cent.
For car lots, 88 and 5 per cent.
For 3,000 box lots, 89 per cent.

This new list makes 16x24, A grade,
cost \$4.67 per box in car lots, 450 to 500
boxes. Small buyers will have to pay
about twenty-five per cent more if the
combination is strong enough to enforce
its demands. But there are, as usual,
two horns to the dilemma. One may
either strive to be content with what
glass he already has, or he may assist in
securing the adoption of the plan pro-
posed at the Detroit convention, of

having the S. A. F. undertake the opera-
tion of a glass factory.

Calendars Received.

We are in receipt of calendars from the
following firms: Walter Retzer & Co.,
Chicago, Ill.; Frank S. Platt, New Haven,
Conn.; J. Blaauw & Co.; Boskoop, Hol-
land; J. F. Sullivan, Detroit, Mich.; M.
Rice & Co., Philadelphia, Pa.; J. Gam-
mage & Sons, London, Ont.

American Carnation Society.

The exhibition to be held in Baltimore,
February 21 and 22, will be the greatest
in the history of the society. About 200
of the society ladies at Baltimore will act
as patronesses of the affair. The hall,
which is a handsome one, will be appropri-
ately decorated, and the abundant
space at our disposal will enable us to
fully display all of the exhibits. The
liberal premiums offered should bring
out a good display of the standard sorts
and every grower who has a new vari-
ety of merit makes the mistake of his
life if he does not bring it to this show.
Carnation men will please make mental
note of this. Anyone desiring a premium
list can secure it by applying to the sec-
retary.

ALBERT M. HERR,
Lancaster, Pa.

The S. A. F. Incorporation Bill.

In the Senate of the United States, on
January 17, 1901, Mr. Proctor introduced
the following bill, which was read twice
and referred to the Committee on Agri-
culture and Forestry, entitled:

**A BILL INCORPORATING THE SOCIETY OF
AMERICAN FLORISTS AND ORNAMENTAL
HORTICULTURISTS.**

Be it enacted by the Senate and House
of Representatives of the United States of
America in Congress assembled, that
James Dean, of Freeport, Charles W.
Ward, of Queens, William Scott, of Buf-
falo, and Charles Henderson, of New
York City, all in the State of New York;
William J. Stewart, Michael H. Norton,
and Patrick Welch, of Boston, Edmund
M. Wood, of Natick, and Lawrence Cot-
ter, of Dorchester, all in the State of Mas-
sachusetts; Edward G. Hill, of Richmond,
in the State of Indiana; John N. May, of
Summit, John G. Esler, of Saddle River,
Patrick O'Mara, of Jersey City, and
William A. Manda, of South Orange, all
in the State of New Jersey; Benjamin
Durfee, William R. Smith, William F.
Gude, and Henry Small, junior, of Wash-
ington, in the District of Columbia;
Willis N. Rudd, of Chicago, Emil Buett-
ner, of Park Ridge, and John C. Vaughan,
of Chicago, all in the State of Illinois;
Joseph A. Dirwanger, of Portland, in the
State of Maine; Robert Craig, Edwin
Lonsdale, W. Atlee Burpee, and John
Burton, of Philadelphia, H. B. Beatty,
of Oil City, and William Falconer, of
Pittsburg, all in the State of Pennsyl-
vania; George M. Kellogg, of Pleasant
Hill, in the State of Missouri; John T. D.
Fulmer, of Des Moines, and J. C. Renni-
son, of Sioux City, in the State of Iowa;
L. A. Berckmans, of Augusta, in the State
of Georgia; H. Papworth, of New
Orleans, in the State of Louisiana; Elmer
D. Smith, of Adrian, and Harry Balsey,
of Detroit, in the State of Michigan; F.
A. Whelan, of Mount Vernon on the Potomac,
in the State of Virginia; Adam
Graham, of Cleveland, in the State of
Ohio; William Fraser, of Baltimore, in
the State of Maryland; John Spalding,

of New London, and John N. Champion, of New Haven, in the State of Connecticut; and Charles W. Hoitt, of Nashua, in the State of New Hampshire, their associates and successors, are hereby created a body corporate and politic, by the name of the Society of American Florists and Ornamental Horticulturists, for the development and advancement of floriculture and horticulture in all their branches, to increase and diffuse the knowledge thereof, and for kindred purposes in the interest of floriculture and horticulture. Said association is authorized to adopt a constitution and to make by-laws not inconsistent with law, to hold real and personal estate in the District of Columbia, so far only as may be necessary to its lawful ends, to an amount not exceeding fifty thousand dollars, and such other estate as may be donated or bequeathed in any State or Territory: Provided, that all property so held, and the proceeds thereof, shall be held and used solely for the purposes set forth in this act. The principal office of the association shall be at Washington, in the District of Columbia, but annual meetings may be held in such places as the incorporators or their successors shall determine. Said association shall from time to time report its proceedings to the Secretary of Agriculture, at least once in each year, and said secretary may communicate such report in whole or in part to Congress.

Sec. 2. That Congress reserves the right to alter, amend or repeal this act in whole or in part.

Catalogues and Cut Flower Price Lists Received.

Oscar H. Will & Co., Bismarck, N. D., trees and seeds; Peter Henderson & Co., New York, N. Y., seeds; L. L. May & Co., St. Paul, Minn., plants, seeds, bulbs, etc.; The Conard & Jones Co., West Grove, Pa., plants; H. Cannell & Sons, Swanley and Eynsford, Kent, Eng., seeds; Wm. Bull, West Brompton, London, S. W., Eng., plants and seeds; W. J. Godfrey, Exmouth, Devon, Eng., chrysanthemums; American Spiral Pipe Works, Chicago, Ill., pipe; Morris Floral Co., Morris, Ill., seeds and gauges; Iowa Seed Co., Des Moines, Ia., seeds; Henry F. Michell, Philadelphia, Pa., seeds, bulbs, plants and garden requisites; Henry A. Dreer, Philadelphia, Pa., seeds, plants, shrubs and garden requisites; Barteldes & Co., Denver, Colo., seeds and garden requisites; F. W. Dixon, Holton, Kan., small fruits; M. Crawford Company, Cuyahoga Falls, Ohio, strawberry plants; Hoermann & Cleary, Terre Haute, Ind., seeds; The E. G. Hill Co., Richmond, Ind., wholesale plants; Pinehurst Nurseries, Pinehurst, N. C., trees, shrubs, etc.; The Storrs & Harrison Co., Painesville, Ohio, seeds, plants, etc.; Schlegel & Fottler, Boston, seeds, bulbs, fertilizers, etc.; Vaughan's Seed Store, Chicago, Ill., and New York, N. Y., seeds and garden requisites; S. L. Allen & Co., Philadelphia, seeders, drills, etc.; McKellar & Winterston, Chicago, Ill., wholesale cut flowers, bulbs, plants and florists' supplies; E. H. Hunt, Chicago, Ill., wholesale cut flowers, seeds, bulbs and florists' supplies; C. C. Pollworth Co., Milwaukee, Wis., flower pots, baskets, wholesale cut flower price list; McGregor Bros. Co., Springfield, Ohio, plants; Weeber & Don, New York, N. Y., seeds, plants, tools and horticultural sundries; G. Herbert Hazard, Charlottetown, Prince Edward Island, Can., dahlias.

SITUATIONS, WANTS, FOR SALE.

SITUATION WANTED—Foreman; florist 25 years; experienced grower fine roses, carnations, 'mums, violets. References. H. FOREMAN, Canton, O.

SITUATION WANTED—In Chicago by young man, ten years' experience, capable of taking charge. Address FLORIST, 11337 Emerald Ave. West Pullman, Ill.

SITUATION WANTED—By a good all-around grower of roses, carnations, etc. Capable of taking full charge. Experience 24 years; single. Address R. American Florist.

SITUATION WANTED—As headgardener and florist in private place; 15 years' experience. Good recommendations and strictly sober. Address E C L. care American Florist.

SITUATION WANTED—As foreman; understands the business in all its branches, rose grafting, etc. Strictly temperate. Good recommendations. Address ELMWOOD, care American Florist.

SITUATION WANTED—By No. 1 planter and grower of roses, carnations, 'mums, violets, etc. Married, one child. English. age 35. Private or commercial. A. G. WILLIAMS, Media, Del. Co., Pa.

SITUATION WANTED—By young florist in commercial place, five years' experience in cut flowers and miscellaneous stock, speaks English and German. State wages, etc. Address B A G. care American Florist.

SITUATION WANTED—By all-around, up-to-date grower of roses, carnations, 'mums, etc.; 15 years' experience in growing high grade stock. Best of references. Address MIDDLE WEST, care American Florist, Chicago.

SITUATION WANTED—By all-around grower of cut flowers and potted plants, first-class rose and carnation grower, age 35, strictly sober. Private or commercial. CARL EBERS, Tompkins Ave., New Brighton, Staten Island, N. Y.

SITUATION WANTED—By a practical, sober gardener and florist, Hollander, well up to roses, carnations, 'mums and general greenhouse and bedding stuff, age 28, 10 years' experience, capable of taking charge. Address J H, care American Florist.

SITUATION WANTED—By a first-class grower of roses, carnations, violets, 'mums, decorative plants, etc. Capable of taking entire charge of a large place. Only those willing to pay good wages need apply. First-class references. MANAGER, 1421 Blake St., Denver, Col.

SITUATION WANTED—By a thoroughly practical gardener and florist, life experience in roses, carnations, violets, palms, etc., ready for employment, not afraid of work. References first-class; married; one child; age 41; American. Address GARDENER, 82 South Avenue, Poughkeepsie, N. Y.

SITUATION WANTED—By a thoroughly practical gardener and florist, 24 years' experience with palms, ferns, roses, carnations, 'mums, violets and bedding plants. Competent to take charge, private or commercial. German, married; age 38; best references. GARDENER, 92 Vine St., New Britain, Conn.

SITUATION WANTED—By an up-to-date florist, German, single, middle aged, seventeen years' experience in this country in roses, carnations, 'mums and violets. Could take full charge, or as section man Specialty, Am. Beauties. Have the best of references from last employer. Fair wages expected. F B C. Coraopolis, Pa.

SITUATION WANTED—As a first-class all-around florist; thoroughly understands his business, as palms, ferns, general stock and cut flowers; good hand for carpet gardening. Would like to make a change this spring. Only good places and wages expected. Can furnish best of references. Address B J, care American Florist.

WANTED—A man thoroughly familiar with seeds, capable of filling and shipping wholesale orders. Address Box 134, Rochester, N. Y.

WANTED—Reliable, competent man. Fine roses, 'mums, etc. Also assistant. Address J. T. WILLIAMSON, LaRose Gardens, Memphis, Tenn.

WANTED—Experienced Beauty grower, wages \$40 and board to start on, rates given if he prove satisfactory. No. 1 houses and accommodations. Address T, care American Florist.

WANTED—Competent and experienced maker-up and decorator. Address with reference, salary and full particulars. J. J. HANCKMELT'S SONS, Diamond and Twenty-second Sts., Philadelphia.

WANTED—An industrious, reliable man as assistant rose grower on a cut flower establishment near Philadelphia. One who understands propagating and shipping preferred. First-class reference required. J. HENRY BARTRAM, box 5, Lansdowne, Pa.

WANTED—Rose grower who can grow No. 1 roses, Beauties and Teas, to take charge of a range of ten rose houses. This is a first-class position and only experienced man wanted. Wages \$60 and board, or \$75 to married man. Address C, care American Florist.

WANTED—A single practical Scandinavian gardener, a Dane preferred, for general greenhouse work. A good job for the right man, and steady work; board, room and washing. Wages \$15 a month. Wanted at once or later. Address H. PEDERSEN, Sandy Point Road St. John, N. B.

WANTED—A good steady industrious and sober man well up in all greenhouse and garden work. Wages \$25 per month with board and lodging. Increase of wages and steady employment to right party. Address W. H. WRIGHT, Cor. 1st East and Monroe Sts., Vickburg, Miss.

WANTED—Two active young men who are familiar with general greenhouse work and who have had some experience in large establishments as order clerks. State particular branch of the business with which you are most familiar and name references. Address HENRY A. DREER, Riverton, N. J.

FOR SALE—A chance of a life time, for a young florist; one-half interest, a greenhouse with 22,000 feet of glass in northwestern Ohio, with a good established trade. Price \$2,500; one-half cash, balance in one, two or three years. For further information Address W H W, 434 Fourth St., Braddock, Pa.

FOR SALE—Greenhouse plant, new, in Massachusetts, 5,000 feet of glass, centrally located in a growing town handy to Boston and other markets, stocked with a fine lot of carnations, perhaps 40,000 buds at present; a nice lot of other profitable plants, any amount of land required up to ten acres, the best of land either for development or growing purposes. Will sell stock and greenhouse plants for the cost of build; G. Owner obliged to go to Europe on business. Address GREENHOUSE, care American Florist.

FOR SALE OR RENT. Excellent establishment of 4000 sq. feet of glass in Chicago, stocked with carnations and miscellaneous plants; 6 room dwelling; near railroad and electric car. Address M T, care American Florist.

WANTED. Rose and carnation grower to take charge of 20,000 sq. ft. of glass; must know how to graft roses and be up-to-date grower. In answering state wages wanted with board, washing and room, also how long you have worked at any one place, your age and telegraph address. If reply is satisfactory will telegraph for you. My telegraph address is Allison Park Station, on Pittsburg and Western R. R., and is ten miles out of Pittsburg, Pa. Post Office address JOHN L. WYLAND, De Haven, Pa.

FOR SALE.

Twenty miles from Boston, 85 acres of land, large dwelling house and barn, with four greenhouses; one 13x100 feet, one 20x80 feet, third 15x90 feet, fourth 20x60 feet. All of them are heated with hot water and in excellent order. This is a rare chance for any person wishing to go into the growing of flowers. For further particulars apply to P. WELCH, of Welch Bros., 15 Province St., Boston, Mass.

FOR SALE.

Controlling interest in a first-class Nursery Co. Doing a good, paying business, both local and shipping trade, well stocked and a good stock coming on. Location the best for living and growing stock. Long established. Address OWNER, care Am Florist.

For Sale.

An interest in one of the largest and most widely known floral establishments can be purchased by a live man with greenhouse experience. Located in a city of over 200,000 inhabitants in a middle state, catalogue, plant and cut flower trade established. For the right man no better opening could be desired. For particulars, address X N, care American Florist, Chicago.

FOR SALE. Greenhouse establishment of 40,000 ft. of glass, 16 miles from Chicago, 75 trains a day on four railroads. Houses built in 1894, heated by low pressure steam, plant in perfect order; water supply from river. Five houses of roses, 6 of carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of paeonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A F C, care American Florist.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,

233 Mercer St. NEW YORK.

Providence, R. I.

The fifty-sixth annual meeting of the Rhode Island Horticultural Society was held January 16, when President J. E. C. Farnham and the entire staff of officers were re-elected. The treasurer reported receipts of \$2,695.28 and disbursements of \$2,685.47. During the year four exhibitions were held, and ten meetings with lectures and discussions. This is the twelfth re-election for Secretary Charles W. Smith and he announced himself as determined to retire with this year.

Wholesale Flower Markets

CINCINNATI, Jan. 24.

Roses, Beauty	20.00@50.00
" Bride	6.00@ 8.00
" Bridesmaid	6.00@ 8.00
" Meteor	8.00@10.00
" Perle	4.00@ 6.00
Carnations	1.50@ 4.00
Violets	1.00@ 1.50
Lily of the valley	4.00
Hyacinths	2.00@ 3.00
Narcissus	3.00
Poinsettias	15.00@25.00
Daffodils	3.00@ 4.00
Harrisii lilies	12.50
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Galax leaves	.15
Common ferns	.20

St. Louis, Jan. 24.

Roses, Bride, Bridesmaid	5.00@ 8.00
" Beauty, 12 to 20 inch stems, per doz.	1.00@ 2.50
" Beauty, long, per doz.	3.00@ 5.00
" Perle	4.00@ 6.00
" Meteor	5.00@ 8.00
Carnations, common	1.25@ 1.50
" choice	2.00@ 4.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Galax	.15
Violets	.50@ .75
Narcissus	3.00
Romans	2.00@ 3.00
Sweet peas	1.00
Callas	10.00@15.00

MILWAUKEE, Jan. 24.

Roses, Beauty, long, per doz.	3.00@ 4.00
" " med. "	2.00@ 2.50
" " short "	1.00@ 1.50
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	6.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 4.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Violets	1.00

PITTSBURG, Jan. 24.

Roses, Beauty, fancy	50.00@60.00
" extra	30.00@40.00
" " No. 1	20.00@25.00
" " culls	8.00@10.00
" Bride, Bridesmaid	3.00@15.00
" Meteor	4.00@12.00
" Perle	4.00@ 6.00
" Cusin	4.00@ 8.00
" Liberty	4.00@15.00
Carnations, ordinary	1.00@ 2.00
" fancy	2.50@ 4.00
Violets	.50@ 1.50
Paper White, Romans	3.00@ 4.00
Lily of the valley	2.00@ 4.00
Mignonette	3.00@ 4.00
Lilac, white	8.00@12.00
Tulips	4.00
Freecias	5.00
Harrisii	20.00@25.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagusa	35.00@75.00
" Sprengerii	.20@ .75
Galax, green and bronze per 1000	\$1.25
Dagger ferns per 1000	2.00

DENVER, Jan. 23.

Roses, Beauty, select	25.00@40.00
" ordinary	6.00@16.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.50@ 3.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Violets single	.75@ 1.00
" double	.70@ 1.00
Galax Leaves	.20
Asparagus	60.00
Smilax	15.00
Ferns, per 1000	2.50

We are Receiving a Very Select Lot of

Roses, Carnations, Harrisii and CATTLEYAS,

AND OFFER THEM AS FOLLOWS:

American Beauties, short	Per doz. \$1.50 to \$2.00	Smilax	Per 100 12.50 to 15.00
" " medium	3.00 to 4.00	Adiantum	1.00 to 1.25
" " long	5.00 to 6.00	Ferns	\$.20 per 1000
Per 100		Leucothoe Sprays	.75
Brides, Maids	\$8.00 to \$10.00	Wild Smilax	
Meteors	8.00 to 10.00	Case No. 1, 15 lbs.	\$2.00
Perles	4.00 to 6.00	Case No. 2, 20 lbs.	3.25
Carnations, standard sorts	1.50 to 2.00	Case No. 3, 25 lbs.	3.75
" fancy	3.00 to 4.00	Case No. 4, 35 lbs.	4.50
Harrisii	20.00	Case No. 5, 40 lbs.	5.00
Callas	15.00 to 20.00	Case No. 6, 50 lbs.	6.00
Romans, Paper Whites	3.00	Nephtolepis Wittboldii	
Valley	3.00 to 4.00	Fronde 36 to 42 inches	per doz., \$3.00
Violets, double	.75 to 1.00	Fronde 30 to 36 inches	" 2.00
" single	.50 to .75	Fronde 24 to 30 inches	" 1.00
Mignonette	4.00	This is the finest thing yet produced and makes a much nicer show than Cycas Leaves. Try them.	
Asparagus	50.00		

PRICES SUBJECT TO CHANGE WITHOUT NOTICE. P. AND D. AT COST.

J. B. DEAMUD, 51 WABASH AVENUE, CHICAGO.

Please mention the American Florist when writing

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

PITTSBURG CUT FLOWER CO., Ltd.

504 ALL FLOWERS PITTSBURG, PA.

Liberty Street, IN SEASON.

Wild Smilax Galax Leaves

No. 1 contains 25 lbs.	\$3.50
No. 2 contains 35 lbs.	4.50
No. 3 contains 50 lbs.	6.00

Brilliant Bronze or Green \$1.25 per 1000
Small Green, for Violets. 1.00 per 1000

FANCY FERN, DAGGER FERN, ETC., at Market Prices.

Telephone 798 Madison Sq. **HARRY A. BUNYARD, 38 W. 28 h St., New York.**

ONE DOLLAR FIFTY PER 1000 FOR

BRONZE GALAX LEAVES

Delivered NOW FREE, anywhere in the United States reached by mail or express. Every leaf guaranteed perfect. Fifty leaves mailed for Ten Cents.

AMERICAN ROSE CO., Washington, D. C.

GALAX LEAVES

Red and green Galax, 55c per 1000.

Leucothoe Sprays, \$2.50 PER 1000.

Cash with first order. Seven years' experience. Special price to wholesalers.

J. N. PRITCHARD, Elk Park, N. C.

WANTED! One or more growers of Roses and Carnations to send me their second quality flowers. Best bank and business references given.

C. N. WILSON, 757 Central Ave., Hot Springs, Ark.

...GEO. M. KELLOGG...

Largest Grower of... Cut Flower in the West.

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE PHONE AT EITHER PLACE

Please mention the American Florist when writing.

JOHN B. FERGUSON, Wholesale Florist,

NO. 6 DIAMOND MARKET SQUARE, PITTSBURG, PA.

Consignments of Roses, Carnations and Violets Solicited.

GALAX LEAVES!

J. L. BANNER & CO., Montezuma, N. C.

Your Advertisement

will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in

The Best Drummer. **The American Florist.**

ALL ROADS LEAD TO AMLING'S.

We make it our rule to do our best on every order (our best is fully as good as can be done by any other house). We invite you to test our facilities at any time.

E. C. AMLING,

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-34-36 Randolph Street, CHICAGO, ILL.

Long Distance 'Phone 1977 Central.

CURRENT PRICE LIST.

BEAUTIES

Long stem.....	per doz.,	\$6.00@8.00
Stems 30 inches.....		5.00
" 24 ".....		4.00
" 20 ".....		3.00
" 15 ".....		2.00
" 12 ".....		1.50
Short stems.....		1.00
Brides, Maids.....	per 100,	6.00-10.00
Meteors.....		6.00-10.00
Perles.....		4.00-6.00
Roses, good seconds.....		4.00-5.00
Carnations, standard sorts.....		1.50-2.00
Fancy sorts.....		3.00-4.00
Callas.....	per dozen,	1.50-2.00
Romans, Paper White.....	per 100,	3.00-4.00
Valley.....		4.00-5.00
Violets.....		.75-1.00
Mignonette.....	per doz.,	.50-.75
Asparagus.....	per string,	.50-.75
Galax, 1000, \$1; 10,000 for \$7.50; per 100,		.15
Ferns, per 1000, \$2.00.....	per 100	.20
Leucothoe sprays.....		.75
Adiantum.....		1.00-1.25
Smilax.....	per dozen,	1.50
Wild Smilax, parlor brand.....	per case,	3.25
" " medium.....		4.25
" " large.....		5.50

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

CARNATION BLOOMS

Shipped direct from Greenhouses to all points. Standing orders solicited.

SEND TO HEADQUARTERS
AND GET THE BEST.

CHICAGO CARNATION CO.,
JOLIET, ILL.

Wholesale Flower Markets

CHICAGO, Jan. 25.

Roses, Beauty, extra long stems..	6.00@9.00
" " 30 " " "	5.00
" " 24 " " "	4.00
" " 20 " " "	3.00
" " 15 " " "	2.00
" " 12 " " "	1.50
" " short " " "	1.00
" Bride, Bridesmaid.....	6.00@10.00
" Meteor.....	6.00@10.00
" Perle.....	4.00@8.00
" Golden Gate.....	8.00@12.00
Carnations.....	1.50@2.00
" fancy.....	3.00@4.00
Violets.....	.75@1.25
Callas, Harrisii.....	12.50@20.00
Lily of the valley.....	4.00@5.00
Mignonette.....	4.00@8.00
Marguerites.....	.75@1.50
Paper White, Romans.....	3.00
Cattleyas.....	6.00 doz.
Adiantum.....	1.00@1.25
Common ferns.....	per 1,000 1.50
Leucothoe sprays.....	1.00
Galax leaves, per 1000.....	\$1.00 .15
Smilax.....	per dozen 1.25@2.00
Asparagus...per dozen	7.50@10.00

Bentley & Co.

F. F. BENTLEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. H. POEHLMANN,

Wholesale Grower of Cut Flowers

All telegraph and telephone orders given prompt attention.

55 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Choice Green and Bronze Galax,

New Crop. Price 60c. per 1000, postage prepaid.
Small Orders a Specialty. Address

H. H. HILL, Victoria, Macon Co., N. C.

Asparagus Decumbens,

THE NEWEST AND BEST GREEN,

Used by Wienhoeber, Samuelson and Chicago's other leading retailers.

Strings, 2 1/2 to 3 feet long, 25c.; \$2.50 a doz.

L. KOROPP, Wellington and W. Ravenswood Pk. Av., Chicago.

Wholesale Store, Minneapolis, Minn.,

Sell our own-grown Roses, Beauties and Meteors in quantity, also Maids and Brides. Within easy reach of towns in Minnesota, Nebraska, both Dakotas, Montana, etc. We are Rose Specialists. Try us.

124 Sixth Street, N. Minneapolis, Minn. **BRANT & NOE.**

JNO. H. DUNLOP, CHOICE Cut Flowers

All orders receive most careful attention.

TORONTO, ONT., CANADA.

Six prizes American Rose Society, New York City.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

Choice American Beauties.
We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Wash-
ington St., Chicago.

Write for special quotations on large orders.

.....If your.....

Business Methods

are right you can make a profit
on an advertisement here.

Samuel S. Pennock, Wholesale Florist,
 1612-14-16-18 Ludlow Street, PHILADELPHIA, PA.
AM. BEAUTIES AND VALLEY OUR SPECIALTIES.
 COMMENCING OCTOBER 1st, 1900, WE WILL BE OPEN FROM 7:00 A. M. TO 9:00 P. M.

BUY BOSTON FLOWERS. THEY'RE ALL RIGHT. They ship well and they sell well.
GEO. A. SUTHERLAND,
 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.
WELCH BROS., PROPRIETORS.
 Sole Agents for FREYSTEDT'S Immortelle Letters and Emblems. Also New England Agents for S. J. RUSSELL'S FAMOUS DOVES. Block Letters, \$2 per 100. Script Letters, \$4 per 100. Acknowledged by all florists the best in use. Special prices for doz. lots.
 THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

We Supply the New England Trade With Highest Grade

ROSES, GARNATIONS, LILY OF THE VALLEY, VIOLETS and all flowers the Boston market affords.

PRICES RIGHT AND PACKING PROPERLY DONE.

N. F. MCCARTHY & CO.,
 Tel. 734 and 64. 84 Hawley St., BOSTON.
 Please mention the American Florist when writing.

Frank M. Ellis, WHOLESALE FLORIST,
 1316 Pine Street, ST. LOUIS, MO.
 CONSIGNMENTS SOLICITED.

H. G. BERNING Wholesale Florist,
 SUCCESSOR TO ST. LOUIS CUT FLOWER CO....
 1322 Pine St., ST. LOUIS, MO.
 Please mention the American Florist when writing.

C. A. KUEHN, Wholesale Florist,
 1122 PINE STREET, ST. LOUIS, MO.
 A complete line of Wire Designs.

The Cincinnati Cut Flower Co.,
 416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
 Consignments Solicited. Special Attention Given to Shipping Orders.

Wholesale Flower Markets

Boston, Jan. 23.

Roses, Beauty, extra	50.00@75.00
" " medium	15.00@25.00
" " culls	6.00@10.00
" " Bride, Bridesmaid, Meteor, extra	4.00@8.00
" " extra	15.00@25.00
Carnations	1.00@2.00
" extra	3.00@4.00
Paper White narcissus, Roman hyacinths	1.50@2.00
Lily of the valley	2.00@3.00
Mignonette	2.00@4.00
Tulips, Yellow narcissus	2.00@3.00
Violets	.50@.75
Lilacs	5.00@8.00
Adiantum	.75@1.00
Smilax	10.00@15.00
Asparagus	50.00
" Sprengerii, 20@ .25 per bunch	

PHILADELPHIA, Jan. 23.

Roses, Tea, extra	4.00@10.00
" " extra	10.00@15.00
" " Beauty, extra	40.00@75.00
" " firsts	12.50@35.00
Carnations	1.00@2.00
" " fancy	3.00@5.00
Lily of the valley	3.00@4.00
Romans, Paper Whites	2.00@3.00
Violets, single	.25@.50
" double	.50@1.50
Asparagus	35.00@50.00
Smilax	15.00@20.00
Adiantum	.75@1.00

BUFFALO, Jan. 24.

Roses, Beauty, extra	30.00@60.00
" " Bride, Bridesmaid, Meteor	8.00@15.00
Carnations	3.00@5.00
Lily of the valley	4.00
Smilax	15.00@20.00
Adiantum	1.00@1.25
Asparagus	50.00@75.00
Violets	1.00@2.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Open day and night.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist.
 481 Washington St., Buffalo, N. Y.
 Also Dealer in Florists' Supplies & Wire Designs.

Woodroffe & Bernheimer, Wholesale Florists
 1604 LUDLOW STREET, PHILADELPHIA.
 'Phons 1-42-69-A. Consignments Solicited.
 Please mention the American Florist when writing.

LEO. NIESSEN, Wholesale Florist,
 N. W. COR. 13TH AND FILBERT STREETS, PHILADELPHIA, PA.
 LONG DISTANCE PHONE 3-45-94 D. Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,
 32 South 17th Street, PHILADELPHIA, PA.
 Long Distance Phone 1-41-26 D. Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL Wholesale Florist,
 27 S. 11th St., Telephone 63-64, PHILADELPHIA.
 Orders by mail, telegraph or telephone will receive prompt attention.
 Consignments of good stock solicited.

Try the New Flower Commission House

WATERBURY & CO.,

48 W. 30th St., NEW YORK CITY.

Correspondence with Growers Solicited.

A. H. LANGJAHR, 19 Boerum Place, BROOKLYN, N. Y.
 Controls the best Brooklyn Cut Flower Trade.
CONSIGNORS GET THE BENEFIT

TOP GRADE Carnations

Lily of the Valley.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

BEAUTIES,
BRIDES,
BRIDESMAIDS,
METEORS,
LIBERTIES.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

YOUNG & NUGENT,

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK.

SUPERB ORCHIDS, VIOLETS and VALLEY.

Choice ROSES and CARNATIONS, all leading varieties, also rare novelties. SHIPPING A SPECIALTY. Price list on application.

TELEPHONE 2065 MADISON SQUARE.

WILLIAM GHORMLEY,

Wholesale Commission Florist,

Telephone 2200 Madison Square. 57 W. 28th. St., NEW YORK CITY.

....LIBERTY, BEAUTY AND OTHER CHOICE STOCK....

BEST IN THE COUNTRY.

JOHN YOUNG

Has the best BEAUTIES, CARNATIONS, VIOLETS AND VALLEY in New York.

TRY A SHIPMENT OR TWO. All Choice Flowers daily.

51 West 28th St., NEW YORK. Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets & Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER, 30 West 29th Street.

New Telephone No. 551 Madison Square.

FRANK MILLANG, CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,

Cut Flower Exchange, NEW YORK. Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry. Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

MOORE, HENTZ & NASH,

Wholesale Commission Florists,

At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.

TELEPHONE 733-18th.

Choicest Stock Shipped on a Commission.

Rose, Violet and Carnation Growers, Consign to

M. A. HART,

44 W. 29th St., NEW YORK CITY.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange. New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Jan. 23.

Roses, Beauty, select.....	50.00@75.00
" " medium.....	20.00@35.00
" " culls.....	3.00@ 5.00
" Bridesmaid, Bride, Meteor 2.00@ 4.00	
" " " med'm 6 00@12.00	
" " " select.....	15 00@20.00
Carnations.....	1.00@ 3.00
" fancy.....	4.00@ 6.00
Lily of the valley.....	1.50@ 3.00
Smilax.....	12.00@16.00
Asparagus.....	25.00@50.00
" Sprengerii, per doz. bun. .75@1.00	
Adiantum.....	1.00@ 1.25
Violets.....	.35@ 50
" special.....	.75@ 1.00
Gardenias.....	25 00@75.00
Cypripediums.....	10.00@12.00
Mignonette.....	3.00@ 8.00
Paper White narcissus.....	1.50@ 2.00
Roman hyacinths.....	.50@ 1.50
Yellow narcissi.....	2.00@ 4 00
Cattleyas.....	35.00@50.00
Dendrobium formosum.....	20 00@25.00

Headquarters of the Hustler CHAS. MILLANG, WHOLESALE

Commission Florist

50 West 28th St., NEW YORK. Telephone No. 1304 Madison Square.

A BUSINESS PROPOSITION. GROWERS and FLOWER BUYERS. Write for Terms and Quotations.

ALEX. J. GUTTMAN,

Wholesale Commission Florist, 52 W. 29th Street, NEW YORK CITY. Telephone 1738 Madison Square.

The New York Cut Flower Co.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

Telephone 733-18th. NEW YORK.

CONSIGNMENTS SOLICITED. Special Attention Given to Shipping Orders.

GEORGE SALTFORD,

Violets

.... Wholesale Commission Dealer in

50 W. 29th St., NEW YORK.

Fair Dealing and Prompt Returns Guaranteed. Correspondence Solicited.

FORD BROS.

.... Wholesale Florists

111 West 30th Street, NEW YORK.

BIG FRAGRANT VIOLETS. 'Phone, 157 Madison Sq.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

S. J. LIMPRECHT,

Wholesale Commission Florist and FLORISTS' SUPPLIES.

Also all kinds of Greens for Decorations. 119 West 30th Street. Telephone 1438 Madison Square. NEW YORK. Consignments Solicited.

Cut Flowers, all varieties and all grades, at New York market rates.

M. A. HART,

44 W. 29th St., NEW YORK CITY.

You Can Make Money By Dealing With

J. K. ALLEN,

The Busiest Wholesaler in New York.

Roses, Violets, Carnations, in all grades, to suit all kinds of buyers.

Telephone 167 Mad. Sq.

106 West 28th Street.

Season Open

EDW. C. HORAN,

Special in Roses:

Violets
'Mums
Gardenias

Tel. 421 Madison Square,

47 WEST 28TH ST.,

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

Liberty, Pres. Carnot, Kaiserin, Meteor, Bon Silene.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
ALBERT McCULLOUGH, Pres.; F. W. BOLOJANO,
Vice-Pres.; S. F. WILLARD, Wethersfield, Conn.
Sec'y and Treas.

F. H. HUNTER, of the Cox Seed Co., is enroute to California.

ALBERT McCULLOUGH, president of the American Seed Trade Association is now in the east.

The rapid extension of rural free delivery is of large assistance to mail order seed houses.

E. M. PARMELEE, of the John H. Allan Seed Co., Picton, Ont., will be in New York City next week.

GOOD authorities believe there is little hope of overthrowing the government scheme of free seed distribution.

HENRY A. SALZER, of La Crosse, Wis., is confined to his home on account of illness but expects to be out again shortly.

THERE will be a meeting of the directors of the Wholesale Seedsmen's League at the Astor House, New York, January 31.

W. H. GRENNELL, of Pierpont Manor, N. Y., has delayed his western trip for a week on account of a slight attack of the grip.

HAVING given up the store on Ninth avenue, New York, the Cox Seed Co. will no longer carry any stock in that city. An office, however, will be maintained at 11 Barclay street.

MANY of the spring catalogues contain, besides order blank and return envelope, an application for postoffice money order properly filled in, save spaces for the amount and name of sender.

A MEETING of the executive committee of the American Seed Trade Association will be held at the Hotel Walton, Philadelphia, Monday, January 28, to prepare plans, assign topics, etc., for the nineteenth annual convention, to be held June 11-13, probably at Buffalo, N. Y.

Toronto.

CITY JOINS IN UNIVERSAL GRIEF AT DEMISE OF QUEEN.—SOCIAL FUNCTIONS CALLED OFF.—NOTES.

This city joins in the universal grief at the death of our beloved Queen, and all the social functions arranged for the present week have been called off and the many orders for decorations and flowers canceled, which will mean considerable loss. Business until Tuesday was very good, several large funerals using all available stock of all colors, as there was not enough white to go around. Until after the Queen's obsequies there will be very little business, and prices will drop considerably, for the growers will want to dispose of the stock which will accumulate.

The Canadian Horticultural Society had a well attended meeting at Brampton on January 15. Carnations were exhibited by Gammage & Sons, F. Dicks, the H. Dale estate and J. H. Dunlop. The extension of the use of carnations was discussed, and as each exhibitor had his favorite variety with him the meeting proved very interesting.

George Hollis has some very good plants of white cyclamen.

Arthur Frost has some grand smilax, the best in this vicinity.

Cotteril Bros. are sending in some good Asparagus plumosus. H. G. D.

Johnson & Stokes' Seeds are grown exclusively for the most critical market garden and florist trade and are known in every large market of the United States as producers of vegetables and flowers which are the accepted standards of excellence.

Write now for our New Quarterly Wholesale Catalogue.

JOHNSON & STOKES, PHILADELPHIA, PA.....



THORBURN'S SEEDS

They have been developed by careful, thoughtful propagation throughout the Nineteenth century. Thorburn's 116-page Century Catalogue of these

Seeds of a Century

is the 100th successive annual issue. If you would have a more beautiful lawn, or a more productive garden, send for it. It's free.

J. M. THORBURN & CO.
(late of 15 John Street)
86 Cortlandt Street, New York.



TUBEROSE BULBS.

(Excelsior Pearl.)

Genuine Hallock dwarf strain, cured by fire heat, sound, dry, hand picked.

FIRST SIZE—F. O. B. Chicago, 4 to 6-in., per 1000, \$7.00; 2000 \$20.50.

From N. Y. City, 50c per 1000 less.

Mammoth Bulbs—6 to 8-in., per 1000, \$10.00.

Medium Bulbs—3 to 4-in., per 1000, \$3.50; 10,000 lots, F. O. B. Chicago, \$30; F. O. B. New York, \$27.50.

WE MEET competition, quality considered.

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Lilacs for Forcing

Potgrown, with very long stems. The best cultivated on the continent.

MARIE LEGRAYE, CHARLES X.,
and **MME. CASIMIR PERIER.**

Case of 18 pieces, \$6, f. o. b. Rotterdam.

JAC. SMITS, Naarden, (Netherlands.)

TERMS—Cash or good references on the continent.

WANTED—Agents for the sale of Lilacs, Lily of the Valley Pips, Spiraens, Standard Shrub Roses, etc.

CARNATIONS Routed Cuttings.

For immediate shipment. All well rooted.

	Per 100	Per 1000
The Marquis..... pot grown	\$5.00	
Mrs. Lawson	7.00	
Mrs. Geo. Bradt	4.00	
G. H. Crane	from flats	3.00
Flora Hill.....	1.50	\$12.50
White Cloud.....	1.50	12.50
Rose Queen.....	1.50	12.50
Jubilee	2.01	15.00
Daybreak	2.00	15.00
Uncle Walter	2.00	15.00
Meteor	2.00	15.00
Wm. Scott.....	1.00	8.00
McGowan	1.00	8.00
Eldorado	1.00	8.00

Stock Plants Chrysanthemums\$4.00 per 100
W. T. & F. P. BUTZ, New Castle, Pa.

ADMIRAL CERVERA

The easiest Yellow Variegated Carnation to grow, free and healthy. ❀ ❀

GOETHE

A beautiful Light Pink Carnation, very large, in perfect condition. ❀ ❀

Routed Cuttings \$10 per 100, \$90 per 1000 DELIVERED NOW.

C. BESOLD, Mineola, L. I., N. Y.

GRASS SEEDS.

Kentucky Blue, Orchard, Timothy, Red Top, Meadow Fescue, Perennial and Italian Rye Grass, Tall Meadow Oat, Johnson, Bermuda, Creeping Bent, Wood Meadow and other Domestic and Imported varieties. **CLOVERS**—Red, Sahling, Alfalfa, Crimson, White, Alsike, Japan, etc. **WOOD, STUBBS & CO.'S "EVERGREEN" and "SHADY GREEN"** Lawn Grasses are giving the best satisfaction everywhere. Put up in packages and bulk. Special low prices to the trade.

ONION SETS Silver Skin, Yellow and Potato Wholesale prices for present or future deliveries.

WOOD, STUBBS & CO.,
The Largest and Best Collection of Seeds in Ky.,
LOUISVILLE, KY.

Please mention The American Florist when writing

Stop Walking the Floor. You won't be disappointed if you place your orders for

SOUTHERN WILD SMILAX

With CALDWELL THE WOODSMAN CO., Evergreen, Ala. or their agents, L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Rice & Co., Philadelphia. Vall Seed Co., Indianapolis. Our advice: Wire your address and get "Sleep in peace."
N. B. We also sell some Holly.

Dreer's Reliable Flower Seeds.

THE FOLLOWING IS A SHORT LIST OF FLOWER SEEDS WHICH SHOULD BE SOWN EARLY:

	Trade	Oz.		Trade	Oz.
	pkt.			pkt.	
Ageratum Blue Perfection.....	.25	\$1.00	Petunia, Dreer's Superb Fringed,	.50	\$
" Cope's Pet.....	.15	.35	single.....	.15	.50
Aster Queen of the Market, white..	.20	.75	Phlox, Drum. grandiflora, mixed..	.30	1.50
" " " pink.....	.20	.75	" nana compacta, " ..	.10	.30
" " " purple.....	.20	.75	Pyrothrum aureum.....	.10	.30
" " " mixed.....	.15	.50	" " selaginoides.....	.20	.75
Canna, large flowering dwarf mxd.,			Salvia splendens.....	.30	1.50
per lb. \$1.25.....	.10	.10	" compacta "Bonfire".....	.50	2.50
Caration Marguerite, mixed.....	.20	.75	Smilax, per pound, \$3.50.....	.15	.35
Centaurea caudicissima, M. sds. 25c		1.50	Stocks, Large flowering 10 week,		
gymnocarpa, M. sds. 15c		.40	separate colors.....	.40	2.25
Cobaea scandens, purple.....	.10	.30	" Large flowering 10 week,		
Cyclamen Persicium, mixed.....	.30	1.25	finest mixed.....	.40	2.00
" giganteum, mixed,			Thunbergia, finest mixed.....	.10	.30
per 100 seeds, 60c;			Torenia Fournieri.....	.30	
per 1000 seeds, \$5.00.			Verbeea, Dreer's Mammoth White.	.30	1.50
Dracena indivisa.....	.10	.30	" " " Scarlet.....	.30	1.50
Grevillea robusta.....	.15	.40	" " " Pink.....	.30	1.50
Heliotrope, mixed.....	.20	.75	" " " Purple.....	.30	1.50
Lantana hybrida, mixed.....	.10	.20	" " " Striped.....	.30	1.50
Lobelia, Crystal Palace compacta	.30	1.50	" " " finest m'xd	.25	1.00
Speciosa, dark blue trailing	.20	.60	Vinca rosea, rose, dark eye.....	.20	.60
grecilis, light.....	.15	.40	" " alba, white, rose eye.....	.20	.60
Mignonette, Allen's Defiance.....	.15	.50	" " pura, pure white.....	.20	.60
Machet, select stock.....	.15	.50	" " mixed.....	.15	.50
Musa ensete, fine seed \$1.00 per 100			Zinnia, Mammoth double mixed...	.15	.40
seeds; \$9.00 per 1000.			" Dwarf, " " ..	.10	.25
Petunia, Dreer's Superb Fringed,			" Tall, " " ..	.10	.20
d'ble, 75c per 500 seeds;					
\$1.50 per 1000 seeds.					



MAMMOTH VERBENA.

Our Wholesale Price List for 1901 has been sent to all Florists. If you have not received it please notify us.

HENRY A. DREER, 714 Chestnut Street, **Philadelphia, Pa.**

Carnation Cuttings...

Ready for immediate shipment. All fine and well rooted.

	Per 100	Per 1000
Mrs. Thos. W. Lawson.....	\$ 7.00	\$60.00
Sunbeam.....	10 00	75 00
Prolifica.....	10 00	75 00
Bon Homme Richard.....	10 00	75 00
Nydia.....	10 00	75 00
Marquis.....	5 00	40 00
Genevieve Lord.....	4 00	35 00
Ethel Crocker.....	4 00	35 00
Mrs. Geo. Bradt.....	3 00	25 00
G. H. Crane.....	3 00	25 00
Gold Nugget.....	3 00	25 00
Gen. Maceo.....	2 00	15 00
Chicago.....	3 00	20 00
White Cloud.....	2 00	15 00
Mrs. F. Joost.....	1 50	12 00
Mrs. J. Dean.....	2 00	15 00
Jubilee.....	1 50	12 00
Flora Hill.....	1 50	12 00
Daybreak.....	1 50	12 00
Evelina.....	1 00	8 00
Triumph.....	1 50	12 00

Chrysanthemum Stock Plants, Philadelphia, Mrs. Robinson, Bonaaffon, October Sunshine, Mme. Bergmann, 60c per doz., \$4.00 per 100.

Poinsettia Plants, 50c and \$1.00 per dozen.
JOS. LABO, Joliet, Ill.

Please mention the American Florist when writing.

CLIMBING ROSES.

TWO GRANDEST:

- CLIMBING KAISERIN, white,** \$10.00 to \$15.00 per hundred.
- CLIMBING WOOTTON, red,** \$10.00.....per hundred.

Field-grown, own roots. 2 to 3 feet. Plenty of other sorts, bush and climbers, hardy and tender.

THE HOWLAND NURSERY CO., Los Angeles, Cal.
Please mention the American Florist when writing

SPECIALTIES

IN BEST
....VARIETIES

- ROSES, from 3-inch pots.
- CARNATIONS, for all delivery.
- CHRYSANTHEMUMS.
- SMILAX.
- VIOLETS.

Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.
Please mention the American Florist when writing.

WEILAND - AND - RISCH

59 WABASH AVE., CHICAGO.
ROOTED CARNATION CUTTINGS.

	100	1000		100	1000
Mrs. T. W. Lawson.....	\$6.00	\$50.00	Evanston.....	\$1.50	\$12.50
Marquis.....	4.00	35.00	White Cloud.....	1.50	12.50
Genevieve Lord.....	5.00	40.00	Flora Hill.....	1.50	12.50
Dorothy, Irene.....	10.00	75.00	Gov. Griggs.....	1.50	12.50
Prosperity.....	16.00	130.00	Triumph.....	1.50	12.50
Roosevelt.....	12.00	100.00	Melba, Daybreak.....	1.50	12.50
Ethel Crocker.....	4.00	35.00	Mary Wood.....	2.00	15.00
G. H. Crane.....	3.00	25.00	Gold Nugget.....	3.00	25.00
Mrs. Geo. M. Bradt.....	2.50	20.00	America.....	2.50	20.00
Queen Louise.....	10.00	75.00	McGowan.....	1.00	8.00
Mrs. Frances Joost.....	1.50	12.50	Evelina.....	1.00	8.00

ROOTED ROSE CUTTINGS.

	100	1000		100	1000
Meteor.....	\$1.50	\$12.50	Golden Gate.....	\$2.50	\$20.00
Bride.....	1.50	12.50	Kaiserin.....	1.50	12.50
Bridesmaid.....	1.50	12.50	Perle.....	1.50	12.50
			La France.....	1.50	12.50

American Beauty and Liberty, ready later. Write for prices.

Florists ordering of us can rest assured of obtaining first-class stock, as we vouch for every cutting sent out.

WHOLESALE FLORISTS

CARNATIONS ROOTED CUTTINGS

We are booking orders now for cuttings at the following prices:

G. H. CRANE.....	\$25.00 per 1000	WHITE CLOUD.....	\$12.50 per 1000
MRS. BRADT.....	25.00 "	FLORA HILL.....	10.00 "
MADAM CHAPMAN.....	25.00 "	McGOWAN.....	10.00 "
DAYBREAK.....	12.50 "	ELDORADO.....	10.00 "

We have the largest and finest stock of these varieties to be seen anywhere and will have large quantities of Cuttings during the season. If you are in need of a large lot write me and get special price. Can save you money. We also have the blooms of the above varieties at market quotations. Violet blooms at all times.

Address **CHAS. CHADWICK, Grand Rapids, Mich.** Lock Box 11



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, Ohio.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSEYRMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE first annual inspection cost the 245 nurseries in Illinois an average of \$5.77 each.

THE University of Chicago is planning the horticultural embellishment of its grounds on a scale in keeping with so rich an institution.

PROF. A. S. HITCHCOCK, of the Kansas State Agricultural College, has received a call to the position of assistant chief of the Division of Agrostology, Department of Agriculture, Washington, D. C.

IT is said that 1,500,000 trees have been fumigated in California this year, more than double the number fumigated the previous season. The cost of fumigation is said to be about 40 cents per tree.

DURING the autumnal period for the exportation of nursery stock to Canada forty-two consignments from the United States, valued at \$1199.93, were passed through the port of Niagara Falls, Ont. There will be another limited period during which exportations may be made in the spring.

JOHN LOEHRER, of Boone, Ia., writes that he has practiced the simple method of large tree moving described by F. J. Ulbricht and says that in Germany, where he learned landscape gardening, the plan was to cut out the ball and dig the new hole before frost, effecting the removal as soon as hard freezing weather came.

The Hardest Bamboos.

The hardy bamboos have become quite established in English gardens. Over fifty kinds are in cultivation, but many are so much alike that it is necessary to think only of comparatively few species and varieties. No hardy evergreen is so graceful and beautiful as the bamboo, and it is of freshest green in mid-winter when all else is for the most part brown and comfortless. Deep rich soil, shelter from north and east winds, plenty of water and manure are essential to success. The time to plant is May, and always give each kind sufficient space to develop. The following twelve species comprise the finest of the family, and also the hardest, a point of much importance: *Arundinaria nitida*, A. Simoni, A. Japonica (better known as *Bambusa Metake*), A. Fortunei, A. auricoma (the last two are dwarf in growth and have variegated leafage), *Phyllostachys Boryana*, P. Henonis, P. viridiglaucescens (one of the most popular of all), P. nigra, P. Kumasasa, and P. mitis, also the broad deep green-leaved *Bambusa palmata*.—*The Garden*.

BALDWINVILLE, MASS.—The cucumber house of C. C. Stevens was damaged by fire on the night of January 19, causing a loss on house and crop amounting to about \$2,000.

Princess of Wales Violets

YOUNG PLANTS FOR SALE,
\$2.00 per 100 - - \$15 per 1000

WILLIAM SIM, Cliftondale, Mass.

Rooted Cuttings and Rose Plants.

CARNATION ROOTED CUTTINGS.

	100	1000		100	1000
Irene.....	\$10.00	\$75.00	Argyle.....	\$1.50	\$12.50
Mrs. Lawson.....	6.00	50.00	Cerise Queen.....	1.50	12.50
Marquis.....	4.00	35.00	Edna Craig.....	1.50	12.50
Guardian Angel.....	6.00	50.00	Evanston.....	1.50	12.50
Genevieve Lord.....	4.00	35.00	Gov. Griggs.....	1.50	12.50
Peru.....	4.00	35.00	Melba.....	1.50	12.50
Crocker.....	4.00	35.00	Daybreak.....	1.50	12.50
Crane.....	3.00	25.00	Armazindy.....	1.25	10.00
Chicago (Red Bradt).....	3.00	25.00	Hill.....	1.25	10.00
America.....	2.50	20.00	White Cloud.....	1.25	10.00
Mrs. Bradt.....	2.00	17.50	McGowan.....	1.00	7.50
Triumph.....	1.50	12.50	Evelina.....	1.00	7.50
Frances Joost.....	1.50	12.50			

ROOTED ROSE CUTTINGS.

	100	1000		100	1000
Bridesmaid.....	\$1.50	\$12.50	Meteor.....	\$1.50	\$12.50
Bride.....	1.50	12.50	Perle.....	1.50	12.50
Golden Gate.....	2.00	17.50			

2 1-2-INCH ROSE PLANTS.

	100	1000		100	1000
Liberty.....	\$10.00	\$80.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Golden Gate.....	3.50	30.00
Bride.....	3.00	25.00	Kaiserin.....	3.00	25.00
			Perle, \$3.00 per 100; \$25.00 per 1000.		

All stock sold under the condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG, 51 Wabash Ave., Chicago, Ill.

**Rooted..
Cuttings**

Roses, American Beauty.....	\$3.00 per 100
" Bride.....	1.00 per 100
" Maid.....	1.00 per 100
" Perle.....	1.00 per 100
Coleus, Verschaffeltii and Golden Bedder,	50c per 100, \$4.00 per 1000
" mixed vars.,	50c per 100, 4.00 per 1000
Salvia Splendens.....	60c per 100, 5.00 per 1000
Heliotrope.....	50c per 100, 4.00 per 1000
Marguerites.....	60c per 100, 5.00 per 1000

POT PLANTS.

Dracaena Indivisa, 4-inch.....	\$15.00 per 100
Poinsettia, from bench, 1 year ...	3.50 per 100
" " " 2 " "	5.00 per 100
Ferns, assorted, 2-inch.....	3.00 per 100
Vinca Variegata, 2 sorts, 4-inch,	5.00 per 100
" " " 3 " "	3.00 per 100
Asparagus Plumosus, 4-inch	6.00 per 100

JOHN IRVINE & SONS,

817 Washington Av.,
BAY CITY, MICH.

Rooted Cuttings Carnations and Roses.

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
CRANE.....	\$3.00	\$25.00	ARMAZINDY.....	1.25	10.00
BRADT.....	2.50	20.00	TIDAL WAVE.....	1.50	12.50
EVANSTON.....	2.00	17.50	WM. SCOTT.....	1.25	10.00
JOOST.....	1.25	10.00	ETHEL CROCKER.....	4.00	35.00
WHITE CLOUD.....	1.25	10.00	MARQUIS.....	4.00	35.00
FLORA HILL.....	1.25	10.00	GENEVIEVE LORD.....	4.00	35.00
DAYBREAK.....	1.50	12.50	MRS. LAWSON.....	5.00	45.00
TRIUMPH.....	1.50	12.50	IRENE.....	Per doz., \$1.50; 10.00	75.00

ROSES.

KAISERIN.....	\$1.50	\$12.50	BRIDE.....	1.50	12.50
LA FRANCE.....	1.50	12.50	BRIDESMAID.....	1.50	12.50
METEOR.....	1.50	12.50	GOLDEN GATE.....	1.50	12.50
PERLE.....	1.50	12.50			

These cuttings are all well-rooted, guaranteed free from any disease, carefully packed.

GEORGE REINBERG, 51 WABASH AVE., CHICAGO.

Send to **THE MOON** Company
For { Trees, Shrubs, Vines,
Your { and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.



Maples NORWAY SUGAR.
From 1 to 3-inch caliper, also one-year seedlings. Write for price list.
SAMUEL C. MOON,
Morrisville, Bucks Co., Pa.

SHARPE'S STANDARD PEA.

Award of Merit, R. H. S., 1900.

Raised in our own Trial Grounds, we consider this New Pea the acme of perfection in the Alderman type, and immensely superior to that well-known variety. Height four and a half feet; haulm strong; pods chiefly in pairs, long, straight, and of handsome appearance; peas large and of fine color and superb flavor. We unhesitatingly aver "Standard" to be a great advance upon any Pea of this class at present in commerce, and to be unequalled and matchless for either exhibition or table. An horticultural expert who has tested it this year in competition with many other varieties, pronounces it the best Pea of the season.

SHARPE'S MONARCH PEA.

Award of Merit, R. H. S., 1900.

This is a grand new Pea of the Duke of Albany type. It has a strong haulm and short joints, much more prolific than the Duke of Albany, and less liable to sport; is a heavy cropper, and the filled pods are very heavy—four of them gathered without much selection weighing four ounces. It will be a great acquisition for market Gardeners, and promises to become as deservedly popular as the well-known Sharpe's Queen.

SHARPE'S "DENBIGH CASTLE" POTATO.

First-Class Certificate, R. H. S., 1900.

An extra early white fleshed Kidney, similar to the walnut leaved Kidney of olden days. Claimed by the raiser to be the earliest Kidney variety in cultivation. It is a good cropper, of robust constitution, and a first-class cooker. We are confident that growers both for private consumption and public markets will welcome a variety that has met with such striking success as is indicated by its receiving the above award in the competition for *early varieties*. Can be strongly recommended for pot culture.

SHARPE'S EARLY PETER POTATO.

Award of Merit, R. H. S., July 25, 1899, Confirmed 1900.

The R. H. S. say of this new Potato—"Flattish Kidney, white, with russety skin, eyes full, medium size, very heavy crop, free from disease, moderate haulm; early or mid season." Stock limited.

WHOLESALE FROM

Ghas. Sharpe & Co., Ltd., Sleaford, England

McKellar & Winterson

Wholesale Dealers in Everything for Florists.

Should You Not Receive OUR 1901 CATALOGUE, Write Us for Same.

45-47-49 Wabash Ave., CHICAGO.

Please mention American Florist when writing.



Guardian Angel

(Pink Sport of Armazindy.)

Scored 90 points at Carnation Show, Chicago Florists' Club, February, 1900. First prize at Exhibition of Chicago Horticultural Society, November, 1900. Very prolific, produces four or five blooms to one on Mrs. Lawson. Introductory price, \$6 per 100, \$50 per 1000.

GUARDIAN ANGEL ORPHAN ASYLUM,

401 Devon Ave.,Chicago.

Rooted Carnation Cuttings

No better Carnation Blooms were ever offered in the Chicago market than those we are shipping out this season. Our plants are in perfect health and every cutting offered is well rooted and in first-class condition. We have all the fancy sorts.

	Per 100	Per 1000		Per 100	Per 1000
The Sport, Pink Armazindy	\$6.00	\$50.00	Argyle	\$1.50	\$12.50
Mrs. Lawson	6.00	50.00	Triumph	1.50	12.50
The Marquis	4.00	35.00	Frances Joost	1.50	12.50
Genevieve Lord	4.00	35.00	Gov. Griggs	1.50	12.50
Ethel Crocker	4.00	35.00	Melba	1.50	12.50
Peru	4.00	35.00	Edna Craig	1.50	12.50
G. H. Crane	3.00	25.00	Flora Hill	1.50	12.50
America	2.50	20.00	White Cloud	1.50	12.50
Mrs. Geo. M. Bradt	2.00	17.50	Daybreak	1.50	12.50
Chicago (Red Bradt)	2.00	17.50	Evelina	1.00	7.50
Cerise Queen	1.50	12.50	McGowan	1.00	7.50
Evanston	1.50	12.50			

WIETOR BROS., Wholesale Growers of Cut Flowers,
51 Wabash Ave., CHICAGO, ILL.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Utica.

It being a very rainy night very few of the boys came out at the last meeting. Following is the score:

Player.	1st	2d	3d	4th	5th	AV
Baker.....	123	157	144	179	174	155
Rowlands.....	179	156	144	159	140	151
Peiffer.....	165	122	156	132	158	147
H. Mathews.....	125	139	105	148	122	128
Spencer.....	119	87	98	156	138	120
Hildebrand.....	143	111	90	121	113	115

QUIS.

At Chicago.

Phil. Hauswirth covered himself with glory on Thursday night, January 24, by rolling 255 in a match game. In the same contest Asmus made 229 and Balluff 202. Here are all the figures:

Player	1st	2d	3d	T'l
Asmus.....	139	229	169	537
F. Stollery.....	167	137	156	460
Hauswirth.....	159	163	255	568
Wintersou.....	128	163	166	457
Balluff.....	148	151	202	501
Total.....	732	843	948	2523
All Stars.....	916	877	874	2667

At New York.

Last Monday night was memorable for the fact that A. S. Burns made the best average in the crowd of twelve.

Player	1st	2d	3d
O'Mara.....	152	139	170
Traendly.....	178	169	170
Moody.....	186	110	124
Loescher.....	148	135	124
Shaw.....	138	146	130
Farr.....	134	171	125
J. Lang.....	88	134	75
T. J. Lang.....	163	167	148
Hatner.....	181	153	179
Taylor.....	139	106	111
Burns.....	176	171	179
Elliott.....	133	141	126

At West Hoboken.

The great Izaak Walton wrote: "Angling may be said to be so like the mathematics that it can never be fully learnt." Again he wrote, "You will find angling to be like the virtue of humility." Had that famous sportsman been living in Hoboken about the present time he could, with equal truthfulness, have made his wise remarks apply to bowling. In the following scores M. Hansen's mathematical descent from 179 to 111, and George Brown's similar experience, would indicate that these worthies still have something to learn, and should "Charlie" Dietz get too "chesty" over his 191 all he has to do to acquire humility is to cast his eye back to that 109 and bear in mind that it may happen again any minute. With these few introductory remarks, which are intended to be educational in their application, we present herewith the bowling score made by the North Hudson Bowling Club on the evening of January 16:

Player	1st	2d	3d	4th
Brown.....	166	163	123	121
M. Hansen.....	179	135	112	111
L. Hansen.....	126	104	136	98
Baummann.....	105	108	115	114
Wache.....	105	131	127	95
Meune.....	104	156	113	131
Tschupp.....	77	88	112	122
Dietz.....	169	117	125	191
Birne.....	131	104	118	118
Grundman.....	112	187	172	112
Ruff.....	112	140	142	112

Norway

LARGE COMMERCIAL WHITE CARNATION. We are pleased to announce to the trade that we have in Norway a commercial white that combines size with productiveness, and therefore must of necessity be a money making carnation. It is exceptionally healthy and vigorous in growth, is not subject to spot and is entirely free from rust. Stem is always strong at any season of the year. Flowers open rapidly, and is a keeper of the first water. In short it is the white carnation the trade has been looking for for a long time. We recommend it as the best money making white carnation ever offered.

Egypt

A RICH, SCARLET CRIMSON. A radical departure from all other crimsons now on the market. Color is unsurpassed in this class; size of bloom 3 inches and over. It has modern commercial stems 2 1/2 to 3 feet, and extra strong. It has also a strong spicy odor. In these two points it excels all other crimsons. In growth it is healthy and vigorous; is in good flower by November 1 to 15, always commands a high price. It is so distinct that every grower will need it. It is the best keeper of all the dark varieties, a strictly high grade flower that sells at sight.

Price for the above two varieties, \$1.50 per doz., \$10 per 100, \$75 per 1000. Ready February 15th.

Genevieve Lord

THE GREATEST MONEY MAKING PINK CARNATION EVER INTRODUCED. Since making her entree last February, Genevieve Lord has acquired a host of staunch friends. We have been congratulated by large and small growers alike on its good behavior and money earning capacity. It has thus far proved our every claim for it, and bids fair to outdo in every particular the old favorite, Wm. Scott. Our stock is in extra fine shape; free from all disease. Ready now. All orders booked and shipped in strict rotation. A good thing is soon exhausted; don't wait, but place your order at once. Price \$5 per 100, \$40 per 1000.

Also Mrs. T. W. Lawson, Marquis, Estelle, Cracker, Olympia, Morning Glory, J. Whitcomb Riley and the best standard sorts. Correspondence invited.

We have a large stock of TIMOTHY EATON CHRYSANTHEMUM, also all other new and standard varieties. Write us for anything you may want. Our plants have an enviable reputation.

H. WEBER & SONS, Oakland, Md.

KENNICOTT BROS. CO.

Wholesale Commission Florists

42 AND 44 E. RANDOLPH ST. ,.....CHICAGO.

WHOLESALE PRICE LIST.

Best Brides and Maids.....	\$8.00 to \$10.00	per 100	Carnations, fancy.....	\$3.00 to \$4.00	per 100
Good " " " ".....	6.00 to 8.00	"	" fine.....	1.50 to 2.00	"
Perles.....	5.00 to 6.00	"	" our selection.....	1.25	"
Meteors.....	6.00 to 10.00	"	Smilax.....	1.50 to 2.00	per doz
Roses, our selection.....	4.00 to 5.00	"	Ferus, Adiantum.....	1.00 to 1.25	per 100
American Beauties—			" commou.....	1.50	per 1000
Long.....	7.00 to 9.00	"	Galax Leaves.....	1.50	"
Medium.....	5.00 to 6.00	"	Lily of the Valley.....	4.00 to 5.00	per 100
Short.....	1.25 to 2.00	"	Roman Hyacinths.....	3.00 to 3.50	"
Callas and Harrisii.....	12.50 to 15.00	"	Violets.....	.75 to 1.25	"
			Pa er White.....	2.00 to 3.00	"
			Asparagus.....	60c	per string
			Leucothoe.....	75c	per 100

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Chrysanthemums.

My new set for 1901 embraces some sterling varieties.

BRUTUS, a grand, early red.

CHESTNUT HILL, late yellow.

MRS. W. B. CHAMBERLAIN, the very best large clear pink yet introduced.

YANARIVA, blush, Morel form.

ZAMPA, chrome red.

I have also secured a large block of the celebrated

TIMOTHY EATON

and all the other new and standard varieties in AI stock.

Correspondence solicited. Descriptive Trade List will be mailed if those not receiving it on receipt of Postal Card.....

John N. May, Summit, N. J.

SEED Pansies PLANTS

The Jennings strain. Fine stock, choice varieties. Medium size plants, 60c per 100 by mail, \$1 per 1000 by express. Extra fine stocky plants in bud and bloom, \$1 per 100; \$10 per 1000. The above growing in cool greenhouses. Seed, \$1 per pkt., \$5 per oz. Cash with order. E. B. JENNINGS, Grower of the Finest Pansies, Lock Box 254, Southport, Conn.

PANSIES WORTH RAISING

Again I can furnish, for immediate delivery, about 10,000 good pansy plants. Price \$4.00 per 1000 f. o. b. express here.

CASH WITH ORDER.....

CHRISTIAN SOLTAU,

199 Grant Avenue, JERSEY CITY, N. J.

FORCING PLANTS FOR WINTER AND EASTER FLOWERING.

HARDY AZALEA MOLLIS

These varieties have for many years been very popular for forcing in Europe, and have in recent years met with considerable favor here in the United States, and when better known are certain to gain in popularity, especially for early forcing.

We are handling the stock of one of the most successful specialists, and can supply fine, bushy plants, 12 to 15 inches high, finely set with buds. \$4.50 per dozen; \$35 per 100.

AZALEA INDICA, for Easter.

We can still supply all the leading varieties in fine, bushy, well-budded stock.

10 to 12-in. crowns,	\$5.00 per doz.;	\$40.00 per 100
12 to 14 "	7.00 "	50.00 "
14 to 16 "	9.00 "	70.00 "
16 to 18 "	15.00 "	100.00 "

Specimen plants of Mme. Van der Cruyssen at \$1.50, \$2.00, \$2.50, \$3.00, \$5.00 and \$7.50 each.

POT GROWN LILACS.

We offer a fine lot of pot grown plants, finely set with buds, in excellent condition for forcing.

Charles X, Red; Marie Legraye, Single White; Mme Lemolne, Double White; \$6.00 per dozen; \$45.00 per 100.

DEUTZIA GRACILIS.

A fine lot of three-year-old plants, suitable for 7 and 8-inch pots, very bushy, \$1.00 per doz., \$8.00 per 100

DEUTZIA GRACILIS ROSEA. (New)

Identical with the above in general habit, but with flowers fully double the size of that graceful variety, to which is added the additional charm of being suffused with a delicate rosy tint, just sufficient to relieve the dead white which is objectionable in the type, and which will undoubtedly place it in the front rank of shrubs for winter forcing. A limited lot of one-year-old plants, \$2.00 per doz., \$15.00 per 100.

DEUTZIA LEMOINEI.

This is now one of the standard varieties for forcing. It surpasses *D. Gracilis* in its very large flowers being nearly three times the size of the latter variety. These are produced in large cone-shaped heads of 20 to 30 flowers each, and of the purest white. Strong one-year-old plants, suitable for 6-in. pots, 75c per doz.; \$6.00 per 100.

RHODODENDRONS. (for Forcing)

Fine bushy plants, well set with buds.

12 to 15-in. high,	\$ 7.50 per doz.;	\$ 60.00 per 100
15 to 18 "	9.00 "	70.00 "
18 to 20 "	12.00 "	101.00 "
20 to 24 "	15.00 "	125.00 "
24 to 30 "	24.00 "	



HARDY AZALEA MOLLIS.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Rooted Carnation CUTTINGS.

THIS stock is strictly first-class in every respect, free from disease and will be thoroughly rooted when sent out. We guarantee them to be as represented. Money refunded if not satisfactory.

	Per 100	Per 1000
Sport, Pink Armazindy.....	\$5.00	\$40.00
Triumph.....	1.50	12.50
Flora Hill.....	1.50	12.50
White Cloud.....	1.50	12.50
Evanston.....	1.50	12.50
Armazindy.....	1.00	7.50
Portia.....	1.00	7.50
Wm. Scott.....	1.00	7.50
McGowan.....	1.00	7.50
Evelina.....	1.00	7.50
Kobinoor.....	1.00	7.50

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

Ethel Crocker

WHEN store men telegraph that they must have some Crocker for their customers, and commission men beg for consignments, in spite of the fact that there are plenty of other pinks on the market, it is a pretty sure sign that Crocker has some points of merit distinctive from the others and that there is an unfiled demand for the flowers.

With the largest stock of this variety grown by any one grower in the country I can fill your orders with carefully selected cuttings, at

\$4 per 100 or \$30 per 1000.

SEND FOR LIST OF OTHER VARIETIES.

ALBERT M. HERR LANCASTER, PA.

Please mention the American Florist when writing.

DAISIES,

hardy, large plants, Snowball, Longfellow, 40c per 100; \$2.50 per 1000.

FORGET-ME-NOT, fine clumps, 75c per 100; \$5.00 per 1000.

MIGNONETTE (Allen's Defiance), large plants out of 2 1/2-inch \$2.50 per 100.

J. C. Schmidt, Bristol, Pa.

The Largest Fancy Carnation. Ready March 1st. -PROSPERITY-

ALL ORDERS FILLED IN STRICT ROTATION.

Prices for Rooted Cuttings.

1 Plant.....	\$.50	250 Plants.....	\$ 37.50
12 Plants.....	5 00	500 Plants.....	70 00
25 Plants.....	8.25	750 Plants.....	101.25
50 Plants.....	10.00	1000 Plants.....	130.00
100 Plants.....	16.00		

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., = Flatbush, N. Y.

ROOTED CARNATION CUTTINGS

Holton & Hunkel Co., Milwaukee, Wis.

NEW VARIETIES. (1901 INTRODUCTIONS.)

Sunbeam, (flesh pink).....	\$10.00 per 100;	\$75.00 per 1000
Bon Homme Richard, (white).....	10.00 "	75.00 "
Nydia, (variegated white and light salmon).....	10.00 "	75.00 "
Prolifica, (cerise pink).....	10.00 "	75.00 "
Guardian Angel, a very fine pink; strong stems and good bloomer. It is a money maker.....	4.00 "	35.00 "

STANDARD VARIETIES.

PINK.		WHITE.		SCARLET.				
100	1000	100	1000	100	1000			
Mrs. T. W. Lawson.....	\$7.00	\$60.00		G. H. Crane.....	\$3.00	\$25.00		
Marquis.....	5.00	40.00		Chicago.....	3.00	25.00		
Genevieve Lord.....	5.00	40.00	White Cloud.....	\$2.00	\$15.00	America.....	2.50	20.00
Ethel Crocker.....	4.00	35.00	Flora Hill.....	1.25	10.00	Evanston.....	1.50	12.50
Triumph.....	1.50	12.50	Evelina.....	1.00	7.50	VARIEGATED.		
Argyle.....	1.50	12.50	McGowan.....	1.00	7.50	Olympia.....	5.00	40.00
Daybreak.....	1.50	12.00				Mrs. G. M. Bradt.....	2.00	17.50
Scott.....	1.00	7.50				Armazindy.....	1.25	10.00

All Cuttings sold under the condition that if not satisfactory they are to be returned at once, when money will be refunded.

HOLTON & HUNKEL CO., Milwaukee, Wis.

XXX STOCK.

Cyclamen Persicum Splendens Giganteum, fine plants in bud and bloom, from 4-in. pots, \$1.50 per doz., \$12.00 per 100; from 3-in. pots in bud, \$7.00 per 100.

Begonia Rex, in 15 leading vars., plants from 2 1/2-in. pots, labeled, \$5.00 per 100; my selection, \$4.00 per 100; well-rooted cuttings, labeled, \$2.00 per 100; mixed, \$1.50 per 100.

solicit your patronage and guarantee satisfaction. PAUL MADER, E. STROUDSBURG, PA.

"Hoosier Maid,"

The great midwinter blooming Carnation, large, pure white flowers on strong stem. Ready Feb. 15.

\$1.50 per doz., \$10 per 100, \$80 per 1000.

A. RASMUSSEN, New Albany, Ind.

THE BIG FOUR.

OUR INTRODUCTIONS OF NEW CARNATIONS
 FOR 1901.

Sunbeam: Extra bright flesh pink, early free and continuous bloomer. Flowers of good form and size, borne on long stiff stems. Per doz. Per 100 Per 1000
 \$1.50 \$10 \$75

Bon Homme Richard: White, extra-ordinary free bloomer; fine form, good size. Stems 2½ to 3 feet long. Per doz. Per 100 Per 1000
 \$1.50 \$10 \$75

Nydia: Variegated, salmon stripe on white ground. Quick seller, extremely free bloomer, fine form and stiff stem. Per doz. Per 100 Per 1000
 \$1.50 \$10 \$75

Prolifica: Cerise pink. Very long, stiff stems, large flowers, and as its name indicates, an extra free bloomer. First lot ready Feb. 1, of the above four vats. Per doz. Per 100 Per 1000
 \$1.50 \$10 \$75

OTHER VARIETIES.

	Per 100	Per 1000
Mrs. Thos. W. Lawson.....cerise pink.....	\$6.00	\$50.00
Olympia.....variegated.....	5.00	40.00
Marquis.....pink.....	5.00	40.00
Genevieve Lord.....".....	5.00	40.00
Ethel Crocker.....".....	4.00	35.00
Morning Glory.....light pink.....	4.00	35.00
G. H. Crane.....scarlet.....	3.00	25.00
Chicago.....".....	3.00	25.00
Gold Nugget.....yellow.....	3.00	25.00
Gen. Maceo.....crimson.....	2.00	15.00
Gen. Gomez.....".....	2.00	15.00
White Cloud.....white.....	2.00	15.00
Mrs. Frances Joost.....pink.....	2.00	15.00
Mrs. Jas. Dean.....".....	2.00	15.00
John Young.....white.....	1.50	12.00
Flora Hill.....".....	1.50	12.00
Argyle.....cerise pink.....	1.50	12.00
Daybreak.....light pink.....	1.50	12.00
William Scott.....pink.....	1.00	8.00
Armazindy.....variegated.....	1.00	8.00

ALL ROOTED CUTTINGS NOW READY. WRITE FOR DESCRIPTIVE CATALOGUE. LET US FIGURE ON YOUR WANTS.

CHICAGO CARNATION COMPANY - Joliet, Illinois.

Please mention the American Florist when writing.

Forcing Plants

AZALEA INDICA. See former issues. Per 100	
Spiraea Japonica.....	\$ 3.50
" Compacta.....	4.00
" Astilhoidea Floribunda.....	4.00
" Plumosa Alba (new).....	15.00
" Palmata, scarlet.....	5.00
" Elegans.....	5.00
" Alba.....	5.00
Dielytra Spectabilis (Bleeding Heart).....	5.00
Paeonia Officialis rubra pl.....	8.00
" alba plena.....	20.00
" Tenuifolia fl. pl.....	18.00
MONTHLY ROSES, Hermosa, pink.....	10.00
" Agrippina, dark red.....	10.00
" Clothilde Souper.....	12.00
H. P. Roses, low budded, leading kinds.....	10.00
Crimson Rambler, extra strong.....	15.00
Hydrangea Otaksa, 4-6 shoots.....	12.00

BOBBINK & ATKINS, Rutherford, N. J.

Florists all over the country are quickly discerning the

Commercial Value of The Lawson Carnation.

The demand will be heavy this season. My stock is in excellent condition, clean and healthy. Rooted cuttings ready now, or for later delivery.

PRICE, Per 100.....\$7.00
 Per 1000.....\$60.00

TERMS STRICTLY CASH from unknown parties. Send ALL ORDERS DIRECT TO

PETER FISHER,

No Agents. **Ellis, Mass.**

COLEUS, Rooted Cuttings.

VERSCHAFFELTII, 60c per 100,
 GOLDEN BEDDER, \$5 per 1000,
 QUEEN VICTORIA,
 FIRE BRAND.

G. OTTO SCHWABE, Jenkintown, Pa.

Ethel Crocker, Joost, Scott, McGowan, Mrs. Bradt, now ready. Write

GEO. A. KUHLE, Pekin, Ill.

172,000 Rooted Cuttings

READY TO SHIP. WE ROOT 10,000 A WEEK.

	Per Doz.	Per 100	Per 1000
A. Mitting, light cream, 3½-inch bloom.....	\$1.50	\$10.00	\$75.00
Mrs. A. Mitting, clear pink, 3¼-inch bloom.....	1.50	10.00	75.00
De Roo Mitting, white, 3 inch bloom.....	1.50	10.00	75.00
Sunbeam, light pink, C. C. Co.....	1.50	10.00	75.00
Bon Homme Richard, white, C. C. Co.....	1.50	10.00	75.00
Nydia, variegated, C. C. Co.....	1.50	10.00	75.00
Prolifica, cerise pink, C. C. Co.....	1.50	10.00	75.00
Lorua, pure white, Dorner.....	1.50	10.00	75.00
Mermaid, salmon pink, Dorner.....	1.00	6.00	50.00
Irene, pink, Crabb & Hunter.....	1.50	10.00	75.00
Sport from Victor and Armazindy, Hill.....	1.50	10.00	75.00
California Gold, Hill.....	1.50	10.00	75.00
Queen Louise, white, J. L. Dillon.....	1.50	10.00	75.00

	Per 100
Mrs. Thos. W. Lawson.....pink.....	\$5.50
Olympia.....variegated.....	4.00
Genevieve Lord.....pink.....	4.00
E. Crocker.....pink.....	3.00
Morning Glory, the coming Daybreak.....	3.00
Mrs. G. M. Bradt.....variegated.....	2.00
G. H. Crane.....scarlet.....	2.00
Chicago.....".....	2.50
America.....".....	2.00
Golden Nugget.....yellow.....	2.50
Gen. Maceo.....red.....	1.50
Gen. Gomez.....".....	1.25

	Per 100
White Cloud.....white.....	1.25
Mrs. Joost.....pink.....	1.25
Flora Hill.....white.....	1.20
Argyle.....pink.....	1.20
Daybreak.....shell pink.....	1.20
Wm. Scott.....pink.....	.85
Armazindy.....variegated.....	.85
Melba.....light pink.....	1.25
Mary Wood.....white.....	1.50
Peru.....".....	2.50
Mrs. Bartlett.....scarlet.....	3.00

6 at 12 rate; 25 at 100 rate; 250 at 1000 rate. We guarantee them to reach you in A. No. 1 condition. If not satisfactory return at once at our expense.

....PLANTS....

	Per 100	Per 100
Asparagus Plumosus Nanus, 3½-in.....	\$5.00	
True Boston Fern, 3½-in.....	5.00	
True Boston Fern, extra strong, 2¼-in.....	3.00	
20,000 Alternantheras, red, also pink, strong, 2½-in.....	1.50	
10,000 Sedum variegatum, 2¼-in.....	1.50	
10,000 Cigar plants, 2¼-in.....	1.50	
10,000 M. Louise violets, 2¼-in.....		1.50
30,000 Coleus, 10 named varieties, 2¼-in.....		1.50
5,000 Californian Moss, for baskets, 2¼-in.....		1.50
5,000 Choice Mixed Geraniums, 2¼-in.....		1.50
5,000 Jerusalem Cherries, 2¼-in.....		1.50
1,000 Vinca variegatum, 2¼-in.....		1.50

25 Plants at 100 rate. Cash or C. O. D.

THE MORRIS FLORAL CO., Morris, Ill.

NEW ROSE

Robert Scott,

EVERYBODY'S ROSE. Send for Price List.

Robert Scott & Son, Sharon Hill, Del. Co., Pa.

New Carnation ELENOR AMES.

The best deep pink Carnation ever introduced. Deeper color, larger flowers, stronger grower and produces more blooms per plant than its parent, Wm. Scott. Does not burst. A continuous bloomer. Has been grown for five years. Plants free from all disease. Rooted cuttings ready February 1, \$1.50 per doz., \$10 per 100, \$75 per 1000.

D. CARMICHAEL, Wellesley, Mass.

Please mention the American Florist to our advertisers.

Minneapolis.

BUSINESS CONTINUES GOOD.—STATE OF SUPPLY AND DEMAND.—METEOR THE FAVORITE ROSE.—VARIOUS NOTES.

Trade last week was very good and this week started in with a rush. There is a great call for funeral work, every florist having his hands full. This will help to use up the surplus of Romans, which have flooded the market. Carnations are available in large quantities and the stock is fine. Roses are in sufficient numbers to supply the most urgent needs. The Meteors and Bridesmaids have suffered considerably from the dark weather of late, the latter being very light in color. A few daffodils were noticed in market, also some La Reine tulips, but the stems were rather short as yet. Violets are now available in goodly quantities and are of first-class quality.

James Souden and Otto Will have been to Chicago to get points and prices on the latest methods of greenhouse construction. Mr. Souden is in charge of the Donaldson range of 50,000 feet which will be increased to 80,000 feet this spring, and Mr. Will is planning some new carnation houses. Work on the new range of the Minneapolis Floral Company is already under way.

There is not an extra large call for Beauties at present, and there does not ever seem to be the demand for this flower that a city of this size should show for Beauty. The Meteor is chief ruler here.

The retailers have their windows decorated with some fine azaleas and primulas, all being well stocked with them.

Thos. Lynes and S. R. Swanson are reported on the sick list. C. F. R.

Bred in Old Kentucky.

	Pots.	100	1000
Geraniums, Bruanti and mixed, 2 1/2-in.		\$2.00	\$18.00
Achyranthus, 2 varieties		2.00	18.00
Rose Geranium		2.00	18.00
Heliotrope, 3 varieties		2.00	18.00
Coleus, 12 varieties		1.50	12.50
Salvia (St. Louis)		1.50	12.50
Lantana, 6 vars. in bloom		1.25	10.00
Double White Petunias		2.50	22.50

ROOTED CUTTINGS.

Alternanthera, red	100	\$1.50
Alys um, double	75	.75
Geraniums, mixed	1.25	1.25

C. L. FRUNSON & CO, Paducah, Ky.

No more of either of the Lorraine Begonias to offer until next June.

BOSTON FERNS,

3-inch pot plants, \$75.00 per 1000.

EDWIN LONSDALE,

WYNDMOOR, (near Phila.), PENNA.

PALMS AND BOSTONS

Walter Retzer & Co.,

2045-59 Clerendon Ave., CHICAGO, ILL. (N. Halsted St.)

Rooted Cuttings.

CARNATIONS and ROSES. Select stock. Lowest wholesale prices. Write to

W. H. CULLETT & SONS, Lincoln, Ill.

Rose Cuttings

All Brides and Maids,

\$1 per 100 \$8 per 1000. Cash with order.

WEST VIEW FLORAL CO., Knightstown, Ind.

Please mention the American Florist when writing.

Rose Cuttings!

Carnation Cuttings!

ROOTED ROSE CUTTINGS.

	100	1000		100	1000
Brides	\$1.50	\$12.50	Lady Dorothea	\$1.50	\$12.50
Bridesmaids	1.50	12.50	Kaiserin	1.50	12.50
Meteors	1.50	12.50	Maman Cochet	1.50	12.50
Perles	1.50	12.50	American Beauty	3.00	25.00
Golden Gate	1.50	12.50			

CARNATION ROOTED CUTTINGS.

	100	1000		100	1000
Mrs. Thos. W. Lawson	\$7.00	\$60.00	Leslie Paul	\$2.00	\$15.00
The Marquis	6.00	50.00	Gov. Griggs	2.00	15.00
Estelle	7.00	50.00	Albertina	2.00	15.00
Genevieve Lord	5.00	40.00	Dawn	2.00	15.00
Ethel Crocker	5.00	40.00	Argyle	2.00	15.00
Olympia	5.00	40.00	Eldorado	2.00	17.00
G. H. Crane	3.00	25.00	Melba	2.00	17.00
Mrs. George M. Bradt	3.00	25.00	Victor	1.50	12.50
Gen. Gomez	3.00	25.00	Triumph	1.50	12.50
America	3.00	25.00	Daybreak	1.50	12.50
Chicago	3.00	25.00	Ivory	1.50	12.50
Mabel	3.00	25.00	Evelina	1.50	12.50
Elsie Ferguson	3.00	25.00	Flora Hill	1.50	12.50
Gold Nugget	3.00	25.00	Cerise Queen	1.50	12.50
Pingree	3.00	25.00	Meteor	1.50	12.50
Mrs. James Dean	2.00	15.00	Armazindy	1.50	12.50
Mrs. Frances Joost	2.00	15.00	Iris Miller	1.50	12.50
Genesee	2.00	15.00	Glazier	1.50	12.50
Mary Wood	2.00	15.00	Sandusky	1.25	10.00
John Young	2.00	15.00	William Scott	1.25	10.00
John Hinkle	2.00	15.00	Evanston	1.00	8.00
Dorothy Sweet	2.00	15.00	Tidal Wave	1.00	8.00
Jubilee	2.00	15.00	Portia	1.00	8.00
Gen. Maceo	2.00	15.00	Lizzie McGowan	1.00	8.00
White Cloud	2.00	15.00	Psyche	1.00	7.50

We offer only choice Rooted Cuttings, first-class in every respect, true to name. 25 at 100 rates; 250 at 1000 rates. Write for catalogue and complete list of Carnations and Roses, rooted cuttings and in pots.

Do you receive our weekly price list? If not, write us; we will place your name on our mailing list.

LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

New Carnations, Rooted Cuttings.

Ready March 1st.

PROSPERITY (666). Each, 50c; 12 for \$5.00; 25 for \$9.25; 50 for \$10.00; 100 for \$16.00; 250 for \$37.50; 500 for \$70.00; 750 for \$101.25; 1000 for \$130.00.

Queen Louise	doz., \$1.50; 100, \$10.00; 1000, \$75.00
Dorothy	" 1.50 " 10.00 " 75.00
Irene	" 1.50 " 10.00 " 75.00
Roosevelt	" 2.50 " 12.00 " 100.00

New Chrysanthemums.

Ready April 1st.

Each, 50c; doz., \$5.00; 100, \$30.00. Mrs. Elmer D. Smith, the best new yellow; Omega, Chesnut Hill, Timothy Ealon, Yanariva.

Carnations.

Strong plants transplanted into soil and flats. Every one sure to grow. Sorts marked * ready now in soil.

	100	1000		100	1000
*Marquis	\$5.00	\$40.00	*Flora Hill	\$1.75	\$15.00
Mrs Thos. W. Lawson	7.00	60.00	*Wm. Scott	1.50	12.00
*Estelle	7.00	60.00	Mrs. Geo. M. Bradt	4.00	30.00
*Ethel Crocker	5.00	40.00	Gold Nugget	4.00	30.00
*Genevieve Lord	5.00	40.00	Chicago	4.00	30.00
*Morning Glory	4.00	35.00	Gen. Maceo	3.00	25.00
*G. H. Crane	3.00	25.00	Gen. Gomez	3.00	25.00
*America	3.00	25.00	Daybreak	2.00	15.00
*White Cloud	2.00	17.50			

THE GRAND NEW PINK GERANIUM

Jean Viaud.

Doz., \$1.25; per 100, \$10.00. 2-inch pots.

Cannas.

All the Novelty and Standard kinds in large quantities, dormant roots. Write for prices.

14 BARCLAY STREET NEW YORK.

VAUGHANS' SEED STORE,

84 & 86 RANDOLPH STREET. CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

Crimson Rambler Roses.

These Roses have fibrous roots and are particularly well adapted for potting and forcing.

2 to 2 1/2 ft, \$10 per 100; 3 to 3 1/2 ft., \$12 per 100; 3 1/2 to 5 ft., \$15 per 100.

CANNAS

Write for Price List of nine new varieties.

The CONARD & JONES CO., West Grove, Pa.

A FEW MORE GOOD FLOWER BUYERS



CAN be accommodated from our special stock which we control by direct purchase and which for uniformity of excellent quality cannot be duplicated in the Boston market. Regular daily, weekly or semi-weekly shipments to responsible parties are a specialty with us and such buyers can safely leave the purchase of their stock with us. We are particularly strong on Carnations, Roses and Lily of the Valley.

WRITE FOR PARTICULARS.

N. F. MCCARTHY & CO., Wholesale Buyers and Shippers of Cut Flowers,
84 Hawley Street, BOSTON, MASS.

Please mention the American Florist when writing.

NEW CARNATIONS For 1901.

	Per 100	Per 1000
Lorna, white.....	\$10.00	\$75.00
Mermaid, salmon pink, a good summer blooming Carnation.....	6.00	50.00
Roosevelt (Ward) crimson.....	12.00	100.00
Novelty (Ward) lemon yellow, edged pink.....	12.00	
Golden Beauty (Ward) lemon yel'w	12.00	
Prosperity (Dailedouze) white overlaid pink.....	16.00	130.00
Irene, Dorothy, Norway and Egypt,	10.00	75.00

We are hooking orders now for delivery as soon as ready.

THE 1900 NOVELTIES—Morning Glory and Ethel Crocker, \$4 per 100, \$30 per 1000; Lawson, \$7 per 100, \$60 per 1000; G. Lord, \$6 per 100, \$50 per 1000; Marquis, Olympia and Peru, \$5 per 100, \$40 per 1000.

Also G. H. Crane, White Cloud, Bradt and the other good standard sorts.

We make a specialty of Rooted Cuttings.

F. DORNER & SONS CO.,
LAFAYETTE, IND.

100,000 R. C. Carnations Ready to Ship.

	Per 100	Per 1000
Mrs. Thos. Lawson, pink.....	\$6.00	\$58.00
Genevieve Lord, light pink.....	4.00	38.00
Ethel Crocker.....	3.50	30.00
Morning Glory, shell.....	3.00	25.00
Mrs. F. Joost, pink.....	1.50	12.50
Argyle, dark pink.....	1.50	12.50
Daybreak, shell.....	1.50	12.00
William Scott.....	1.00	8.00
G. H. Crane, scarlet.....	2.50	20.00
Chicago.....	3.00	25.00
America, scarlet.....	2.50	20.00
Peru, white.....	3.00	25.00
Melba, light pink.....	1.50	12.50
Gen. Maceo, crimson.....	2.00	15.00
Gen. Gomez.....	1.75	13.00
Olympia, variegated.....	5.00	40.00
Mrs. G. M. Bradt.....	3.00	25.00
Armazudy.....	1.00	8.00
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.00
Mary Wood, white.....	2.00	18.00
Gold Nugget, yellow.....	3.00	25.00

CASH WITH ORDER.

H. E. MITTING, Mgr. Fort Dodge Greenhouse Co. FORT DODGE, IA.

Please mention the American Florist when writing.

Rooted Cuttings of Roses

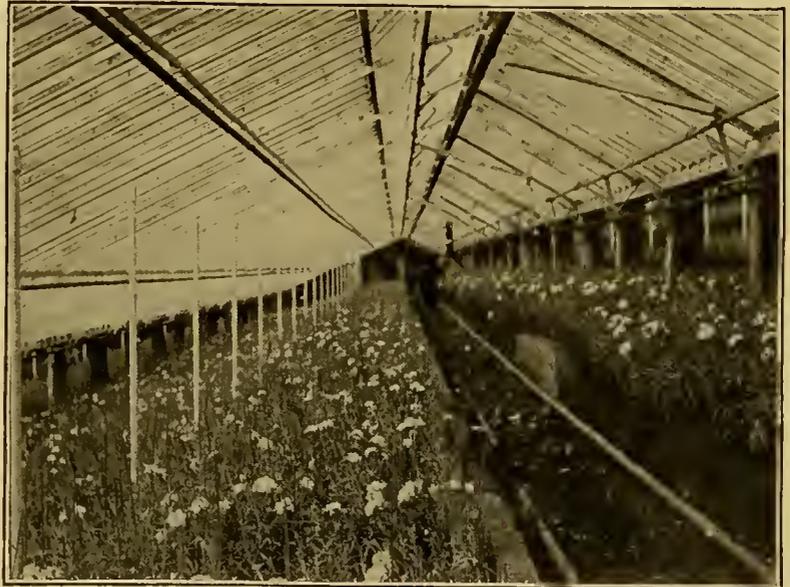
Brides, Maids, Perles, Meteors, Pres. Carnot, American Beauties, Woottons, G. Gate, etc. A bargain in Perles in 2-in. pots ready for a shift.

COLEUS,

Best bedding varieties, rooted cuttings.

BOSTON FERNS. Write

GEO. A. KUHL, PEKIN, ILL.



FROM PHOTOGRAPH OF QUEEN LOUISE TAKEN OCT. 28th, 1900.

QUEEN LOUISE CARNATION

This new Carnation produces the finest flowers, is perfectly healthy and is the best white variety ever introduced.

IT BLOOMS EARLY — IT BLOOMS LATE — IT BLOOMS ALL THE TIME.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November. No other Carnation can stand such a test.

Prices on Application.

Rooted Cuttings ready February 15th. Come and see it or send for circular.

J. L. DILLON, - Bloomsburg, Pa.

3 - Great Glories - 3

BEGONIA GLOIRE DE LORRAINE, 2 1/4-inch pots, \$15.00 per 100.

BEGONIA GLOIRE DE LORRAINE Nana Compacta, 2 1/4-inch pots, \$15.00 per 100.

BEGONIA CALEDONIA, "The White Lorraine," 3 1/4-inch pots, \$5.00 each.

This stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

MONEY MAKING... CARNATIONS

Eleven varieties of 1900, sixteen older standard sorts. Send for complete list.

GEO. HANCOCK & SON, Grand Haven, Mich.

ROOTED CUTTINGS

CARNATIONS.

Ethel Crocker.....	100,	\$4.00;	1000,	\$30.00
White Cloud.....	"	2.00;	"	15.00
Alaska (white).....	"	1.00;	"	7.50

ROSES.

Golden Gate.....	100,	\$1.50;	1000,	\$12.50
Bride.....	"	1.50;	"	12.50
Bridesmaid.....	"	1.50;	"	12.50

GEO. HARRER, Morton Grove, Ill.

PLEASE MENTION US TO OUR ADVERTISERS.



**Cut Prices
VERBENA KING.**

Express prepaid on all Rooted Cuttings.

Verbenas, 40 best mammoth vars. 60c per 100; \$5.00 per 1000.

Alternanthera, red and yellow, 60c per 100; \$5 per 1000.

Ageratum; Princess Paulina and a new rich blue, very dwarf

grower, a winner; Cope's Pet, white; 60c per 100, \$5.00 per 1000.

Heliotropes, 10 best varieties, all named, 70c per 100, \$6.00 per 1000.

Daisies, 2 best vars., \$1.00 per 100; \$8.00 per 1000.

Geraniums, strong 2 1/2-in., best named varieties, ready for 3-in., \$2.50 per 100, \$20 per 1000.

Verbena plants, strong, full of cuttings, fine as silk, \$2 per 100, \$18 per 1000.

Heliotrope, 2 1/2-in., strong, five plants, \$2 per 100, \$18 per 1000.

Send for our new list of other rooted cuttings and plants; it will save you money. Write for prices on larger lots. Special low express rates to all parts. THAT CASH PLEASE.

C. HUMFELD, Clay Center, Kas.

C. HUMFELD, Clay Center, Kas.

It is a Fact....

CANNAS

should be started early to secure best results.

Our collection of Novelties and Standard varieties is the most complete.

Are also booking orders for all the

NEW CARNATIONS, CHRYSANTHEMUMS, GERANIUMS and BEGONIAS.

Nathan Smith & Son, Adlan, Mich.

LETTUCE....

Big Boston, Boston Market and other varieties. 15c per 100; \$1.00 per 1000; \$8.50 per 10,000. If by mail add 10c per 100.

CABBAGE

Wakefield and Succession, 25c per 100; \$1.25 per 1000. If by mail add 20c per 100.

CAULIFLOWER

Snowball 35c per 100; \$2.50 per 1000.

TOMATO

Mayflower, Lorillard and Dwarf Champion, 50c per 100 postpaid. Nice size for potting.

CASH WITH ORDER. Other vegetable plants, also flowerings plants. Send for list.

R. VINCENT, Jr. & SON, White Marsh, Md.

.. New .. Chrysanthemum GOLD SMITH

Cream yellow tinted with bronze, sport from Pres. W. R. Smith, fine large flowers, strong stem.

Your collection of Chrysanthemums can not be complete without this new candidate. There is without doubt a commercial future before this sort.

Exhibited at Cincinnati November 17 it scored 83 points. Price \$2 per doz. Orders taken now and filled in March.

H. L. RACAN, P. O. Box 186, Springfield, O.

LATANIA & BORBONICA.

We have a surplus of this variety in 4-inch pots, extra strong plants, well rooted and ready for a shift. Sample sent by mail for 30c in stamps; \$2.50 per doz.; \$18.50 per 100. This is a bargain, hurry up with your orders.

—CASH PLEASE.—

W. W. COLES, Kokomo, Ind.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants,

Market and 49th Sts., Philadelphia, Pa.

Always mention the American Florist when you order stock.

ROSES

STRONG 2 YEAR FIELD GROWN.

CRIMSON RAMBLER, extra strong.....\$12.00 per 100.
HYBRID PERPETUAL, in fine assortment.....\$10.00 per 100, \$90.00 per 1000.
HYBRID PERPETUAL, in fine assortment, 2d size..... 6.00 " 50.00 "

These are well rooted, good stock, but not quite heavy enough to go into first grade.

AZALEAS

Stock in excellent shape, well set with buds.

10 to 12-inch crowns.....\$35.00 per 100 12 to 14-inch crowns.....\$45.00 per 100

SPIRAEAS

JAPONICA.....\$3.50 per 100 ASTILBOIDES FLORIBUNDA\$4.00 per 100
NANA COMPACTA.....\$5.00 per 100

PALMS

KENTIA BELMOREANA, 2 1/2-inch pots.....\$8.00 per 100, \$75.00 per 1000
KENTIA BELMOREANA, 3-inch pots, 4 and 5 leaves.....\$15.00 per 100
KENTIA BELMOREANA, 4 inch pots, 14 to 16 inches high..... 30.00 "
KENTIA BELMOREANA, 5-inch pots, 18 inches high..... 60.00 "
KENTIA BELMOREANA, 5 and 6-inch pots, 18 to 22 inches high..... 75.00 "
KENTIA FORSTERIANA, 2 1/2-inch pots..... 10.00 "
KENTIA FORSTERIANA, 3-inch pots, 12 inches high..... 15.00 "
KENTIA FORSTERIANA, 4-inch pots, 15 to 18 inches high..... 35.00 "
KENTIA FORSTERIANA, 5-inch pots, 18 to 22 inches high..... 50.00 "
KENTIA FORSTERIANA, 5 and 6 inch pots, 24 to 28 inches high..... 75.00 "
ARECA LUTESCENS, 2 1/2-inch pots.....\$6.00 per 100, \$50.00 per 1000

ASPARAGUS

PLUMOSUS NANUS, 2 1/2-in. pots...\$ 5.00 per 100 SPRENGERII, 2 1/2-in. pots.....\$3.00 per 100
PLUMOSUS NANUS, 3-in. pots..... 6.00 " SPRENGERII, 3-in. pots..... 5.00 "
PLUMOSUS NANUS, 4-in. pots..... 12.00 " SPRENGERII, 4-in. pots..... 8.00 "

BOSTON FERNS

Strong 2-inch pots.....\$3.00 per 100, \$25.00 per 1000

THE STORRS & HARRISON CO., Painesville, O.

Heacock's Premium Palms

Certificate of Merit for Culture Pennsylvania Horticultural Society, March, 1900.
Certificate of Merit for Culture Pennsylvania Horticultural Society, November, 1900.

Only the Best, Grown in the Best Manner. Immense Stock, free from Insects and Disease and in the Best Possible Condition. Send in your Order at Once.

- Areca Lutescens.** 3 plants, 6-in. pot, 24 to 28 inches.....\$12 per doz.; \$100 per 100.
3 " 8 " 36 " " FINE.....\$3 each.
- Cocos Weddeliana.** 1 plant, 3-in. pot, 12-in. high.....\$25 per 100.
3 plants, 5 " 18 " " ".....\$1 each; \$100 "
- Kentia Belmoreana.** 4-in. pot, 5 to 6 leaves, 15-in. high.... \$4.50 per doz., \$35 per 100.
6 " 6 leaves, 24 " " 15.00 " \$125 "
8 " 6 " 30 to 32-in. high.....\$3 each.
- Kentia Forsteriana.** 4-in. pot, 4 to 5 leaves, 15-in. high....\$4.50 per doz., \$35 per 100.
6 " 5 " 24 to 28-in. high....\$.1 each, \$12 per doz.
6 " 5 to 6 " 30-in. high.....\$1.25 " \$15 "
8 " 6 " 36 to 40-in. high.....\$3 " \$36 "

JOSEPH HEACOCK, - Wyncote, Pa.

FLOWERING PLANTS Always on Hand
....in Quantity.

Ericas, small plants in bloom or in bud ready to bloom, \$1.50 per doz., \$10 per 100.
Large, fine shaped Ericas in bloom, 75c and \$1 each, \$9 to \$12 per dozen, \$75 per 100; Epacris in bloom, \$9 per dozen.

Erica persoluta alba }
Erica persoluta rosea } 100 plan's in these four varieties, for growing on, \$10, or
Erica persoluta rubra } 100 plants in bud, \$15 per 100.
Erica fragrans }

Azaleas, always in bloom, 50c, 75c, \$1, \$1.25, \$1.50, \$2, \$2.50, \$3, \$4, \$5 and \$6 each.

Rubbers, 18 to 24 inches high, to sell out cheap, \$6 per dozen, \$45 per 100. Orders up to \$10 add 50c for packing, up to \$20 add \$1, to \$30, \$1.50, to \$50, \$2.00.

Kentias, Latanias, all sizes.

Cash with Order, Please..... **A. SCHULTHEIS, P. O. Box 78, College Point, L. I.**

500,000 Verbenas THE CHOICEST VARIETIES
IN CULTIVATION.

Fine pot plants \$2.50 per 100; \$20 per 1000. Rooted Cuttings 60c per 100; \$5 per 1000; \$45 per 10,000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

TELL THEM WHERE YOU SAW THE AD.

Albany, N. Y.

BUSINESS CONTINUES VERY GOOD.—ROSES AND CARNATIONS SHORT OF THE DEMAND. —MANY DECORATIONS FOR ALL SORTS OF SOCIAL FUNCTIONS.—NOTES.

Business has been very good the past week. The only complaint made is that good material is scarce, both roses and carnations. The supply of violets is plentiful. Whittle Brothers had charge of the decorations at the banquet of the New York State Bar Association, which was held in the Hotel Ten Eyck on the evening of January 16. The decorations were American Beauty roses, potted palms and southern smilax. The same firm did the floral decorations at the banquet of the Union College Alumni Association held on January 11. Whittle Brothers also supplied the Bridesmaid roses used for decoration at the luncheon given by S. L. Munson at the Fort Orange Club to his fellow members of the New York state electoral college. Covers were laid for forty guests.

F. A. Danker has the order for the decorations for the ball of the Adelpi Club to be given at Odd Fellows' Hall on Friday evening, January 25. A horse which ran away on January 19, among other items of damage, destroyed one of Danker's show windows, valued at about \$75. The weather was below zero at the time and it was only with difficulty that the stock was saved from freezing.

H. G. Byres had the decorations for the Sporborg-Dahlman wedding held in Odd Fellows' Hall on the evening of January 22. The large ballroom was festooned with Christmas greens, laurel roping decorated the walls and large kentia palms, massed, decorated the rostrum where the orchestra was stationed.

R. D.

50,000 Geraniums

AT \$2.50 PER 100.

All the following are strong, well-established plants in 2 1/2-in. pots, ready for shifting to 3 1/2 and 4-in. pots. All are in perfect health and strictly true to name.

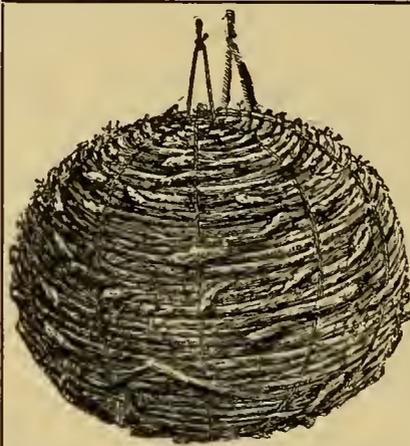
- Double Grant, brilliant scarlet.
Single Grant, "
S. A. Nutt, double, deep scarlet.
John P. Cleary, single, brilliant scarlet.
Mrs. E. G. Hill, single, rosy salmon.
Mme Molin, single, salmon pink.
La Favorite, double, pure white.
Mrs. S. A. Gaar, single, pure white.
Rose Scented, large and small leaved.
Mme. Sallerol, \$2.00 per hundred.
Mountain of Snow, \$3.00 per 100.
Mrs. Parker, \$3.50
Ageratum, Stella Gurney, the grand new bedding variety, strong plants, 2.50
Heliotrope, dark blue, light blue, pure white, best bedders, separate, 2.50



- Browallia, Giant Blue, per 100, \$2.50
Achyranthes, 4 varieties, " 2.50
Coteus, 10 most popular, " 2.00
Sweet Alyssum, Giant Double, " 2.00
Santolina Incana, " 2.00
Begonia, Vernon, fine, " 2.50

Prompt Shipments. Cash with Order.

J. T. LOVETT, LITTLE SILVER, N. J.



FOR PRESENT DELIVERY! JAPANESE FERN BALLS.

True long-leaved variety. You will find a ready sale for them.

Per doz. \$4; per 100 \$30.

Write for Prices on Quantities!

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

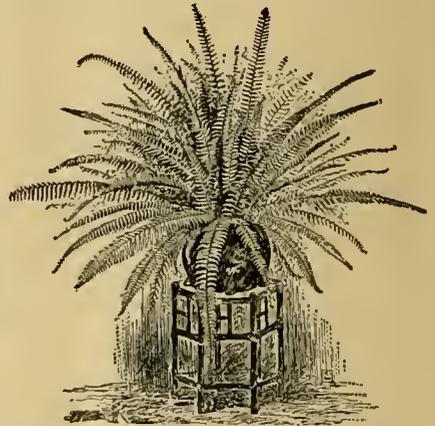
Please mention the American Florist when writing.

- Roses, Bride and Bridesmaid, \$2 per 100, \$18 per 1000
Petunias, double, finest large flowering, 2 1/2-inch pots, \$2 per 100
Salvia Splendens and Bonfire, \$1.50
Heliotrope, from 2 1/2-in. pots, 1.50
Lobelia C. P. Compacta, " 1.50
Cuphea platycentra, " 1.50
Primula Obconica, 2 1/4-in. pots, per 100, \$2.00
Sinensis, 4-in. pots, fine, " 6.00
Carnations, F. Hill, R. C. \$1.25 per 100, \$10 per 1000
McGowan, " \$1 per 100, \$8 per 1000
Pansies, transplanted stock, " \$3 per 1000

CASH WITH ORDER.

E. FRYER, Batavia, Ill.

Please mention the American Florist when writing.



BOSTON FERN A Specialty.

20,000 very fine plants at \$25 and \$20 per 100. Small plants, \$5 per 100; \$40 per 1000.

ASPARAGUS P. NANUS and SPRENGERII for 4-in., at \$8.00 per 100. SMALL PALMS and FICUSES. L. H. FOSTER, 45 King St., Dorchester, Mass.

DON'T GET LEFT

ON GERANIUMS. They are going very fast at \$3 per 100, \$25 per 1000 out of 2 1/2-in. pots, ready for shifting into 3 or 4-in. Composed of the following varieties: S. A. Nutt, Frances Perkins, LaFavorite, E. G. Hill, Beate Poitevine, Wm. Pfitzer, Ruy Blas, Double Grant and in fact all the leading vars. Ageratum, 2 1/2-in. pots, Princess Pauline, Cope's Pet, White Cap, \$1 per 100. R. C. 50c per 100. Fuchsias in variety, R. C., \$1 per 100. Coteus, 2 1/2-in. pot, \$1.50 per 100. R. C. 50c per 100.

Cash Must Accompany Order.

J. E. FELTHOUSEN, Schenectady, N. Y.

Please mention the American Florist when writing.

Orchids!

We have received advices that a large quantity of Cattleya Trianae are being collected for us for the spring. Cattleya Schroederiae due in a few days.

LAGER & HURRELL, SUMMIT, N. J. Orchid Growers and Importers.

Advertisement for Salzer's Farm Seeds, featuring 'BUY NORTHERN GROWN SEEDS' and 'JOHN SALZER SEED CO. LACROSSE WIS.' with details on various seed types and prices.

COLEUS...

In 25 best varieties, 2-in., \$1.50 per 100, \$12.00 per 1000. Rooted Cuttings 60c per 100, \$5.00 per 1000. Sample of either by mail for 10c.

- TRAILING LANTANA, 2-inch, \$3.00
Cigar plant, 2-inch, 2.00
Jasmine Grandiflora, 2-inch, 5.00
Ageratum, P. Pauline, White Cap and Napis
Blue, 3-inch, fine, 4.00
Cuttings of same, .75
Cyperus Alternifolius, 2-inch, 2.00
Boston Ferns, 2 1/4-inch pots, 5.00
" from bench, 3.00
Asparagus P. Nausus, 3-inch, 8.00
" Sprengerii, 3-inch, 5.50

Satisfaction guaranteed. Cash with order.

GEO. L. MILLER, Newark, Ohio.

VIOLET RUNNERS. 25,000 STRONG ROOTED RUNNERS.

LADY CAMPBELL VIOLETS. From sand, \$5 per M; fr. soil \$7.50 per M. Samples free WM. SWAYNE, Kennett Square, Pa.

GALAX LEAVES

.....Evergreen Ropings and other Decorative Greens.

Price extremely low for a short time only. Object, the introduction of our goods.

THE KERVAN CO.,

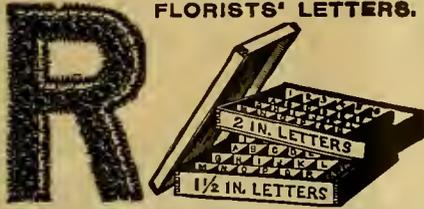
30 W. 29th St.,

NEW YORK.

TELEPHONE 551 MADISON SQ.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-inch size, per 100, \$3.00.
Script Letters, \$4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

Please mention the American Florist when writing.

Use "UP-TO-DATE" FLORISTS' SUPPLIES.

M. Rice & Co., Importers and Manufacturers.
918 Filbert St., PHILADELPHIA, PA.

CATALOGUE FOR THE ASKING.....

SIGMUND GELLER

Importer and Mfr. of

Florists' Supplies

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Av., NEW YORK.

H. BAYERSDORFER & CO.

Cyces Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

60, 62, 64 and 66 N. 4th St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

Verbenas, 35 vars., 60c per 100, \$5 per 1000. Coleus, 30 vars., 60c per 100, \$5 per 1000. Heliotrope, 14 vars., \$1 per 100, \$8 per 1000. Petunias, dbl., named, \$1.25 per 100, \$10 per 1000. Ageratums, 3 vars., 60c per 100, \$5 per 1000. Lantanas, 4 vars., \$1.25 per 100. Alyssum, giants, \$1 per 100. Salvias, 3 vars., \$1 per 100. Geraniums, 2 1/2-in., all named, \$2.50 per 100, \$20.00 per 1000. Express prepaid on all Rooted Cuttings. Cash with orders. Write S. D. BRANT, CLAY CENTER, KAS.

Field-Grown VINCA VAR. VINES

3-inch pot Vinca Vines, \$4.00 per 100.

TERMS CASH OR C. O. D.

WM. A. CLARK & SON,

No. 44 Boyd St., WATERTOWN, N. Y.

Please mention the American Florist when writing.

Nice Plants.

Alternanthera, yellow, \$1.75; red \$2.00
Geraniums, my selection 3.00
Coleus mixed and Ageratum, 2-inch pots 2.00
Asparagus Sprengerii, 2-inch pots 2.00
Vinca Vines, 2-inch pots 3.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, Ohio.



HYGROMETER or MOISTURE GAUGE.

THIS Moisture Gauge tells you the difference between dryness and dampness in your greenhouses. We have been testing two of these moisture gauges several months and find they are more indispensable than the thermometer. If you keep this moisture gauge at 70 degrees you will have neither mildew nor red spider in your rose houses. If you keep it at 80 degrees you will not have rust nor red spider in your carnation houses. If you keep it at 85 degrees you will never have fungus in your rooted cutting houses. If you keep it at 75 degrees

you will not have decayed leaves in your geranium houses; and if you have a moisture gauge in every house 100 feet long and keep it at above figures you will make at least \$100 more per year from each house. Who wants to buy mildewed roses or rusty carnations?

To operate this moisture gauge it is essential to wet the walks in order to get the proper dampness. If your houses are too damp in the winter, fire up a little and in summer time open your ventilators. This has been obtained only by years of experience. Now you can tell your greenhouse hands to keep it at 70 or 80 degrees as you want it, just as you tell your fireman to keep the temperature in such a house at 60 degrees. We never had any intention to sell moisture gauges but they are doing us so much good we have obtained some we can sell at \$2.50 each, but we think you will want more. These moisture gauges are made in Germany and France. The French machines come at \$10.00 each; they are quite an ornament and no cheap truck. We will give one of the \$2.50 machines FREE for a \$20.00 order for plants, or rooted cuttings, or unrooted cuttings, from our 1901 catalogue, or from our ads. in the trade papers; or we will send you one for \$2.50, and after 10 days' trial if you do not like it you may return it and get your money back.

THE MORRIS FLORAL CO., Morris, Ill.

Silver Birch Bark Ware



PRICES PER DOZ.—Canoes, 9-in. \$3.30; 12-in. \$5.50; 15-in. \$7.90; 18-in. \$10.50; 21-in. \$13.20; 24-in. \$16.60. Logs, 6-in. \$3.00; 9-in. \$3.84; 12-in. \$4.80; 15-in. \$6.00; 18-in. \$7.20; 21-in. \$8.40; 24-in. \$9.60. Pot Covers, 4-in. \$2.40; 5-in. \$3.00; 6-in. \$3.96; 7-in. \$5.04; 8-in. \$5.88. Fern Covers, 4-in. \$1.80; 5-in. \$2.40; 6-in. \$3.00; 7-in. \$3.60; 8-in. \$4.20. Boxes, 14-in. per doz. \$11; 11-in. \$9; 9-in. \$7. References: Geo. Wittbold Co., E. Wienhoeber, C. A. Samuelson, Chicago.

J. A. LYNN,

1442 Wrightwood Ave., CHICAGO.

Get it Now! It's Ready!

GERANIUM AMERICA

\$8 per 100; 25 at 100 rate.

HENRY EICHHOLZ, Waynesboro, Pa.

AGERATUM "Stella Gurney."

As necessary to your bedding stock as coleus or geraniums.

3-inch pot plants \$5.00 per 100
2 1/2-inch pot plants 2.50 "
Rooted Cuttings 1.50 "

ALBERT M. HERR, Lancaster, Pa.

Geraniums Mixed, good collection. Double Fringed Petunias, Fine Asparagus Sprengerii. All the above from 2-inch pots at \$2.00 per 100.

E. I. RAWLINGS, Quakertown, Pa.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent pre paid for \$2.50. Without spraying valve, \$2.00.

The Hose Connection Co., Kingston, R. I.

A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,

AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

The Conley Foil Co.

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

REED & KELLER,

Manufacturers of Florists' Designs.

Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

Please mention the American Florist when writing.

DON'T STAY ON THE FENCE,

But jump down on the side of

JOHN C. MEYER & CO.

They'll fix you up on..... SILKALINES.

84 Kingston St., BOSTON, MASS.

MEYER SILKALINE is for sale by all the leading seedsmen and jobbers throughout the country.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & CO., 54 West New York, 30th St.

HORTICULTURAL SUPPLIES.

Please mention the American Florist when writing.

Washington.

SOCIAL FUNCTIONS KEEP THE LEADING RETAILERS VERY BUSY.—SOME OF THE BEST WORK.—VARIOUS ITEMS OF INTEREST.

Representative R. B. Hawley, of the naval committee, gave a dinner Saturday night at the Gordon. Covers were laid for twenty-five guests. The table decorations were elaborate and unique. The center piece represented a man of war, made of white carnations and decorated with miniature silk flags, streamers and orchids. At each plate was a small ship as a favor and filled with Adiantum Farleyense, orchids and lily of the valley. The whole was to represent the White Squadron. Z. D. Blackistone had the decoration.

Litzinger & Wade had the decorations for the dinner given to the Daughters of the American Revolution. The dining room was decorated with palms. The center piece was of pink azaleas and primulas and adiantums. On the cloth were spread Asparagus Sprengerii and lily of the valley. The corsage bouquets were of Bridesmaid roses, lily of the valley and marguerites tied with pink ribbon.

J. H. Small & Sons had the decoration for the hatchlors' cotillion January 22. The decorations were mostly in yellow. The ladies' corsage bouquets were of yellow tulips, the gentlemen's favors white carnations. The ceiling and walls were covered with southern smilax and the stage was banked with palms, making a fine effect.

E. M. Byrnes has been transferred from the propagating garden, where he has been foreman for the last thirty years, to the Agricultural Department. The transfer took place January 16, when the boys at the garden presented him with a handsome desk and an engrossed address.

Trade in general has been good. Roses and carnations are in demand. Violets are very fine, but not much in demand. Rose growing about Washington has been such a success that even New York men are taking notice of them.

Wm. F. Gude met with a painful accident January 15. In hurrying from his home to catch a car he stepped on a round stone with such force that he dislocated his left ankle. P. G.

BATAVIA, ILL.—The Williams & Sons Company has gone into the forcing of lilacs.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

Awarded the only first-class Certificate of Merit by the Society of American Florists at Boston, Aug. 21, 1890, for Standard Flower Pots.



WHILLDIN FLOWER POTTERY CO.
JERSEY CITY LONG ISLAND CITY
PHILADELPHIA

Economy in Heating

At the present and prospective prices of coal those florists are lucky indeed who are using the

Weathered Boilers.

Are you one of them? If not, then write us and we will furnish indisputable facts.

THOS. W. WEATHERED'S SONS,
46 Marlon St., NEW YORK.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2-in. pots in crate, \$4.88	120 7-in. pots in crate, \$4.20		
1500 2 1/2 " " " 5.25	80 8 " " " 3.00		
1500 3 " " " 6.00	48 9 " " " 3.80		
1000 3 1/2 " " " 5.00	48 10 " " " 4.80		
800 3 3/4 " " " 5.80	24 11 " " " 3.60		
500 4 " " " 4.50	24 12 " " " 4.80		
320 5 " " " 4.51	12 14 " " " 4.80		
144 6 " " " 3.18	8 16 " " " 4.50		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

HILFINGER BROS. POTTERY,
FORT EDWARD, N. Y.
OR.....
AUGUST BOLKER & SONS, New York Agents,
53 DEY STREET, NEW YORK CITY

RED POTS

SAMPLE POT AND PRICE LIST ON APPLICATION.

C. C. POLLWORTH CO., MILWAUKEE, WIS.....

FLOWER POTS ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

SWANN'S POTTERY MFG CO.,
P. O. Box 78, M'NNEAPOLIS, MINN.

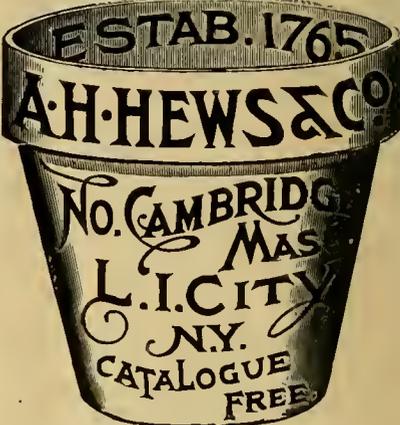
Standard Flower... POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....

W. H. ERNEST,
28th and M Streets, WASHINGTON, D. C.



Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your seedman doesn't handle them, order as direct.
FACTORY AND OFFICE:
180-182 VEDDER ST., CHICAGO.
TELEPHONE NORTH 882.



ESTAB. 1765
A.H. HEWES & CO.
NO. CAMBRIDGE MAS
L.I. CITY N.Y.
CATALOGUE FREE

WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST.,
CHICAGO, ILL.,
FOR PRICES OF

Standard Pots

which for strength and porosity combined are the best on the market.

KELLER BROS.,

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

Please mention the American Florist when writing.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'FY,
HARRY BALSLEY, DETROIT, MICH.,
Rep. 490 Howard St.

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNECKE CO., MILWAUKEE, WIS.

