

Index

Henry Shaw's Victorian Landscapes: Missouri Botanical Garden and Tower Grove Park
by Carol Grove, Library of American Landscape History with University of Massachusetts Press, 2005

Notes: Page numbers in *italics* indicate photographs or illustrations.
Plant names are those used by Henry Shaw.

- Abney Park Cemetery, London, 108–9
abutilon, 104
acacia, 36
Academy of Science of St. Louis, 57, 58
access to gardens, parks, and trees, 50, 69, 208
n.57
account books, 79–80
Acer dasycarpum (maple), 76
Aconitum japonicum (monkshood), 42
Adams, John, 197 n.6
adaptive reuse, 94, 208 n.61
adoption, defined, 207 n.47
aesthetics
American, 205 n.24
Beecher and Stowe on, 206 n.38
benefits of, 5, 118, 124
Downing on, 125
eighteenth-century, 126
Loudon and, 120–21, 211 n.31
nineteenth-century, xii, 126
of Olmsted, 125, 206 n.40
pastoral effect, 123–24
and 1905 plan for MBG, 175
Repton and, 49, 120, 206 n.33
Ruskin and, 116
science vs., 69
for Tower Grove Park, 119, 124–27
see also beautiful, the; gardenesque, the;
picturesque, the; sublime, the
Agassiz, Louis, 54, 101
agaves, 91, 153, 161
Allen, John, 174
Almanac and Garden Manual (Buist), 78
almond, double, 37
Alternanthera, 39
amaryllis, 54
American Gardener's Calendar (MacMahon), 36
American gardens, 39, 97, 202 n.79
American hollies, 184–85
American Institute of Architects, 209 n.62
American landscape, propriety in, 125–26
American oaks, 57
American prairie, as improvement opportunity, 127
Amur cork tree, 38
André, Edouard François, 174
anemones, 42
antirrhinum, 41
apple trees, dwarf, 37
aquatic gardens, 162, 179–83, 184
Araucaria imbricata, 41, 91
arboretum, MBG
components of, 63, 71
flower gardens and, 122
in HS's lifetime, xii
James Gurney in, 90
newly planted, 75
Shaw Arboretum, 210 n.19
size of, 200 n.57
Tower Grove (estate), 43
William Trelease on, 201 n.60
views of, 72, 77
west stone wall of, 76
arboretum/arboreta
Arnold, organization of, 210 n.20
cemeteries as, 109
Chatsworth, 46, 49, 110
criticism of, 205 n.16
Derby, 106, 113–15, 114, 204 n.14
as grand division, 71, 97
Loudon on, 110–11, 114–15
role in society, 111
Sheffield Botanic Garden, 52
Tait on, 205 n.16
Tower Grove Park, 204 n.14
arboriculture, 115
arbors, 84
Architectural Heritage of St. Louis 1803-1891, The
(Lowic), 194 n.9
architectural styles, 34, 111, 141, 153, 210 n.15
see also specific styles
Arnold Arboretum, organization of, 210 n.20
Arsenal Avenue gate, 137, 145
art and gardens, 5, 9, 39, 120, 124, 125, 126
see also gardenesque, the; picturesque, the;
sculptures
Arts and Industry of the Empire (Great Exhibition),
x
ash trees, 140
axis, primary, 92, 175

Bailey, Liberty Hyde, 11, 174
Balfour, John Hutton, 49
bananas, 161
Banks, Joseph, 17
Barbrook, Chatsworth, 35
barn, rock, 71
Barnett, George I.
commissions of, 208–9 n.62
garden structure designs, 53
HS town house and villa designs, 33–35
Lindell Hotel design, 31
Linnean House design, 94
museum design, MBG, 71

- Barnett, George I. (*continued*)
 palm house designs, 141–44
 Tower Grove Park, designs for, 144–47
- Barnett, Thomas P., 209 n.62
- Barnum, P. T., 101
- Bartram, John, 19
- Bay, Jens Christian, 202 n.80
- beautiful, the, 29, 116, 118, 195 n.18
- bedding out, 86, 206 n.33
see also carpet bedding
- Bedford Lodge, Kensington, 196 n.31
- Beecher, Catherine, 206 n.38
- beehives, 41
- Bellefontaine Cemetery, St. Louis, 44, 108, 203 n.6
- benefactors, businessmen as, 113
- Benoist, L. A., 30
- Bentham, George, 171
- Benton Park, St. Louis, 207 n.50
- Bernhardi, Johann Jakob, 65
- binomial system of nomenclature, 17, 195 n.26, 205 n.18
see also botanical classification
- birch trees, 140
- Birkenhead Park, Liverpool, 106, 110–12, 204 n.10, 206 n.33
- Black Hamburg grapes, 42, 48, 87
- bloom color, as planting guide, 81
- Bohemian immigrants, 92
- Bois de Boulogne, 208 n.55
- botanical classification, 8–9, 33, 80
see also botanical nomenclature
- botanical clubs, 10
- botanical discovery, eighteenth-century, 8–9, 17–18, 39, 56–57, 59
- botanical exchanges, 16–19
- botanical gardens
 Birkenhead, as model for America, 51
 cemeteries as, 109
 Chatsworth, 49
 gardenesque approach in, 53
 in Glasgow, 30
 grand divisions of, 97
 William Hooker on needs of, 64–65
 purposes of, xi, 4–5
 Sheffield, 51–52
see also Missouri Botanical Garden (MBG)
- botanical nomenclature, 17, 195 n.26, 205 n.18
see also botanical classification
- botanical reference books of nineteenth century, 49, 65
- Botanical Works of the Late George Engelmann*, 199 n.25
- Botanic Garden, Glasgow, 52
- Botanic Garden, Washington, D.C., 80
- "Botanic Garden of America," 19
- botanizing, 10, 10–11, 42
- botany
 books for women on, 49
 exotic plants and education, 39
 the gardenesque and, 125
 medicine and, 55, 60
 nineteenth-century interest in, 8–11
 promotion of, by Asa Gray, 157
 school of, xi, 3, 160, 169, 177, 212 n.39
see also garden botany
- bourbon roses, 53
- Braun, Alexander, 54
- bricklayers, pay scale for, 197 n.11
- brick pavilion, 84
- brick walls, 63
- bridges, 133, 135
- British National Museum of Art and Design, 196 n.32
- Brooks, Mary, 104
- Brown, Lancelot "Capability", 14, 51
- Brown, Robert, 59
- Bryant, William Cullen, 100–101, 106, 118
- buckeyes, 140
- budget restraints. *see* financial matters
- buildings of iron and glass, flexibility of, 93–94
- Buist, Robert, 53, 78, 80, 101
- bulbs, for Tower Grove private garden, 53–54
- Bull Pen pedestrian gate, 136
- Burke, Edmund, 116, 195 n.18, 205 n.21
- Burton Closes, Derbyshire, 201 n.58
- businessmen as benefactors, 113
- busts, at Music Stand, 154
- cabbage, 42
- Cactaceae of the Boundary* (Engelmann), 58
- cacti
 in changeable beds, 68, 79
 Engelmann as authority, 57
 garden organization, 80
Mamillaria, 68
 MBG collection, 67, 70, 82
 in Mexican garden, 165
 in portrait of HS, 89
 Royal Botanic Garden collection, 66
 saguaro, 57, 104
- Caie, John, 196 n.31
- caladium, 40
- calceolaria, variegated, 104
- callicarpa, 140
- Cambridge, Mass., 107, 108
- camellias, 41, 95
- Campsis radicans* (trumpet creeper), 174
- cannas, 39, 184
- carnations, picotee, 41, 202 n.84
- carpet bedding, 123, 175, 211 n.34
see also bedding out

carriage drive, TGP, 135
 Carriage Pavilion, 142
 carriage stand, 148
 Carstang, Effie, 87–88
 Casino, the, 169, 169, 210 n.15
 catalpa trees, 42
 Cathedral of St. Louis, 209 n.62
 cattails, 171
 Cavendish, William Spencer (duke of Devonshire), 8, 46, 49
 cedar trees, 139
Cedrus deodara (deodar), 41
 celery, 42
 celosia, 43
 cemeteries, 30, 44, 107–10, 108, 109, 203 n.6
 cemetery style, 109, 109
 Central Park, 125, 207 n.54
 century plant, 121
 changeable beds, 68, 79, 79
 Chatsworth, Derbyshire
 Gardener's Magazine on arboretum of, 110–11
 Great Stove, 50
 grounds of, 14
 as HS inspiration, x, 7, 8, 44, 45–46, 47, 49
 plant collections of, 49–50
 ridge-and-furrow roof, 201 n.58
 Victoria water lily, 92
 water lily house, 45
 waterworks at, 50
 cherry trees, 42
 Chevreul, Michel-Eugène, 196 n.31
 Children's Playground, 140, 142, 208 n.59, 208 n.60
 china roses, 53
 Chinese Pavilion, 147, 148
 cholera epidemic, 30
 Chouteau, Auguste, 21, 24
 Chouteau, Charles P., 30, 203 n.1
 Chouteau, Pierre, 24, 196 n.27
 Christ Church Cathedral, 3, 158
 chrysanthemums, 41, 102
 circulation routes, equestrian, 135
 circulation routes, pedestrian, 83, 112, 132, 135–36, 183
 see also bridges; gates and gatehouses; paths and walkways
 circulation routes, vehicular, 72–73, 77, 132, 135, 135–36
 circulation systems, in first public parks, 112
City of Saint Louis of Today, 100
 Civil War, 26, 103
 Clark, Meriwether Lewis, 26
 Clark, William, 24, 196 n.27
 classical style, of HS town house, 34
 classification. see botanical classification
 clematis, 43
 Clemens, Samuel, 101
 Clifton Nursery, Cincinnati, 36, 37, 38–39, 42, 43
 climate in Missouri, 61–62
 Coalbrookdale foundry, 7, 45
 coalfields, South Yorkshire, 13
 Cole, Thomas, 118
 Collinson, Peter, 16, 19
 colors, plant, 18, 92, 161
 color theory, in garden design, 44, 80, 81, 196 n.31
 commerce, in St. Louis, 22
 complementary colors, and plant placement, 44
Compton's Pictorial St. Louis, 100
 Compton Water Tower, 195 n.25
 conifers, 57
 Conron, John, 205 n.24
 Conservative wall, Chatsworth, 50
 conservatories
 Chatsworth, 50
 flexibility of materials, 93–94
 Frankfurt botanical garden, 176
 nineteenth-century, 9
 Syon House, 176
 see also palm houses; plant houses
 conservatories, MBG
 Juno (sculpture) and, 202 n.82
 Linnean House, 94
 main, 92, 96, 97, 99, 172, 175–76, 179
 view from Tower Grove House, 12
 construction materials
 brick, 63
 fences, 196 n.27
 garden structures, 84
 plant houses, 41–42, 93–94
 reuse of, 94, 208 n.61
 in Tower Grove Park, 135, 141
 construction methods, x
 construction workers, 148
 Cook, James, 17
 country ramble vs. Grand Tour, 118
 country villas, 86, 201 n.65
 see also Tower Grove (estate)
 Coventry Cemetery, England, 110
 covered seats (pagoda), 85
 crabapples, flowering, 140
 creative intervention, in landscape gardening, 126
 cricket grounds, 204 n.10
 crown imperial fritillaria, 54
 Crystal Palace, x, 45, 46, 94
 cultural events, at TGP, 153
 culture, advancement of, 5
 curator's house, 62
 curriculum of gardener training program, 168–69
 Custer, Mrs. George Armstrong, 101
 cutlery production, in Sheffield, 13

dahlias, 42
 damask roses, 53
 Darwin, Charles, 17, 50, 58–59, 125
 Darwin, Erasmus, 9
 date palm, 41
 daytrippers, 50
 deciduous trees, 140
 decorative arts, 9, 34, 148
 democracy and public parks, 106–7
 Dennis, Jonas, 196 n.2
 Denoyer, Louis, 23
 Derby Arboretum, 106, 113–15, 114, 204 n.14
 Derbyshire, 14
 Derwent River, 14
 Dickens, Charles, 31
Die Pflanzfamilien (Engler and Prantl), 171
 Dimmock, Thomas, 7, 193 chap.1 n.1, 202 n.76
 Don River, 14
 double almond, 37
 double tree peony, 37
 Downing, A. J.
 on aesthetics, application of, 118
 on cemeteries and parks, 108
 on fruit and fruit trees, 49
 on good taste, 126
 and horticultural journalism, 207 n.53
 on native plants, 39
 on need for public parks, 106
 on Osage orange tree, 196 n.27
 on the picturesque, 125
 duke of Bedford, 202 n.75, 202 n.80
 duke of Devonshire (William Spencer Cavendish), 8, 46, 49
 Dupont, Aimée, 30
 Durand, Asher B., 118

 Eastlake, Charles, 196 n.31
Echeveria in ribbon bedding, 83
 economic issues. see financial matters
 Edom, Rebecca, 158
 education
 cemeteries as spaces for, 108–9
 exotic plants and, 39
 floral displays as tool, 162
 as mandate of MBG, 172
 parks as spaces for, 107
 as primary goal of botanical garden, 97
 Victorian age interest in, 5, 111, 118, 123, 124
 eighteenth century
 aesthetic of, 126
 botanical discovery of, 8–9, 17–18, 39, 56–57, 59
 Grand Tours as tradition of, 27
 portraiture of, 6, 88–89
 elephant ears, 184
 Eliot, Charles, 211 n.28

 Elizabethan style, 44, 114, 114
 Elliot, William Greenleaf, xi
 Elliott, Richard Smith, 47
 Ellwanger and Barry, 42, 78, 80
 Emerson, Ralph Waldo, 125
 Emperor Fountain, 50, 110
 employees, garden, 64, 91, 102, 183, 197 n.11
 see also gardeners
Encyclopedia of Gardening (Loudon), 199 n.35
 Engelmann, George
 as botanical advisor to HS, xi, 30, 60, 65–66, 68
 botanical garden priorities, 69
 Civil War fears of, 103
 expertise of, 57
 Asa Gray and, 57–60
 herbarium of, 198 n.24
 William Hooker and, 200 n.48
 manner of observation and collection, 198 n.18
 plant hunters and, 56–57
 portrait of, 55
 professorship named for, 157
 on St. Louis, 3
 John Torrey and, 57–60
 writings of, 57, 58, 199 n.25
 Engelmann Professors, 160
 England, 6–7, 13, 22–23, 106–7
 see also specific locations
 Engler, Adolph, 171
Englischer Garten, 128
 English innovation, 45
 English landed gentry, 7
 English landscape movement, 128
Enquiry into the Sublime and the Beautiful, An (Burke), 195 n.18, 205 n.21
 entrances
 Arsenal Avenue, 137, 145
 to botanical garden, 62, 72, 73
 construction of, 66
 to Derby Arboretum, 114
 Flora Avenue, 76
 to fruticetum, 87
 Grand Avenue, 138
 Kingshighway, 138, 145
 John Loudon on, 199 n.35
 north gate, 139
 in portrait of HS, 88
 private, to Tower Grove estate, 37
 equality, public parks and, 106–7
 Equitable Building, 209 n.62
Essay on the Picturesque (Price), 117
 estate management, HS's manner in, 6
 euonymus, 42
 euphorbias, 57
 European tours. see Grand Tours
 Evergreen Circle, 139–40
 Evergreen Walk, 139–40

- exotic plants
 - in botanical gardens, 79
 - at Chatsworth, 50
 - colors of, 18
 - in conservatories, 9
 - in gardenesque approach, 40, 120
 - in twentieth-century landscape design, 39
 - winter protection for, 152–53
 - at Woburn, 202 n.75
 - see also plant acquisitions
- expeditions. see plant-finding expeditions
- explorers, 17
- export business of HS, 24

- Faherty, William, 196 n.1
- farm buildings, 71, 164
- fences, 41, 136, 196 n.27
- Fendler, Augustus, 56
- Ferguson, William P., 203 n.1
- Fern House, 182
- ferns, 57, 91, 94
- figs, 91
- fig trees, 87, 87
- filbert trees, 37
- financial matters
 - expense of gardenesque approach, 123
 - expenses of botanic garden, 68
 - financial worth of HS, 195 n.15
 - labor costs, 148, 197 n.11
 - plan for residences as revenue generators, 62, 112–13, 204 n.11
 - Tower Grove Park, 106, 115, 161, 208 n.60
- fire surrounds, 196 n.32
- flax, 43
- Flora Avenue (Flora Boulevard), 72, 76, 175
- floral competitions, 202 n.84
- flora of Japan, 199 n.28
- flora of North America, 171, 174, 199 n.28
- Flora of North America*, 58
- flora of the world, 171, 174
- florists' flowers, 202 n.84
- flower beds
 - in gardenesque approach, 122
 - the Knolls, 183–84
 - at Music Stand, 153, 153
 - in paisley motif, 82
 - red and white, 43, 80–81
 - ribbon borders, 83, 97, 175
 - in Tower Grove Park, 162, 204 n.14
 - see also garden beds
- flowering crabapple, 140
- Formal Report Accompanying Preliminary Plans* (Olmsted), 173–74
- forsythia, 184
- fountains, 50, 110, 204 n.8
- Fourth Street, St. Louis, 31

- Frankfurt botanical garden conservatory, 176
- Frank Leslie's Illustrated News*, 100
- Fraxinus* (ash) trees, 140
- freezing temperatures, 103–4
- Frémont, John, 56
- French settlers, in St. Louis, 198 n.13
- fruit trees, 37
- fruticetum
 - closure of, 210 n.12
 - covered seat, 85, 201 n.64
 - definition, 200 n.56
 - in 1889 drawing, 71
 - entrance to, 87
 - garden employees trenching in, 64
 - as grand division, 71, 97
 - pavilion, 74
 - plan for, 165
 - purpose of, 63, 70
 - reduced use of, 95
 - southern boundary of, 72
 - visual pattern of, 81–82
- fruticetum, Sheffield Botanical Garden, 52
- fuchsia, 41
- furnishings, in HS's town house, 34
- fur trade, HS and, 24

- games, areas for, 204 n.10
- garden accessories, 52
- garden beds
 - bedding out, 86, 206 n.33
 - carpet bedding, 123, 175, 211 n.34
 - organized by plant type, 82
 - in Tower Grove Park, 162
 - visual patterns in, 84
 - see also flower beds
- garden botany, 5, 43, 98, 100
- see also botany
- Garden Bulletin*, 183, 186
- garden cemeteries, 107–8
- garden design
 - color theory in, 44, 80, 81, 196 n.31
 - Loudon on, 86, 200 n.54
 - twentieth-century, 39
 - see also gardening; garden organization
 - methods; landscape gardening
- garden employees, 64, 87, 91, 102, 183, 197 n.11
- see also gardeners
- gardeners
 - gentleman, role of, 6
 - nineteenth-century, role of, 202 n.79
 - professional, 80, 207 n.53
 - responsibilities of, 115
 - scholarships for training of, 168–69
 - at Tower Grove Park, 148
 - see also Gurney, James
- Gardener's Chronicle*, 100, 207 n.53

- Gardener's Magazine*, 51, 65, 81, 110–11, 207 n.53
- Gardener's Monthly*, 78, 100, 207 n.53
- gardenesque, the
- art vs. nature, 120
 - criticisms of, 123
 - decline of, 124
 - description of, 52–53
 - John Loudon on, 109
 - as nineteenth-century aesthetic, 126
 - preservation of, at MBG, 209 n.7
 - at Sheffield Botanic Garden, 52, 175
 - specimen plantings and, 97, 120, 121, 122, 122
- garden forms, 72, 83–84
- gardening
- art of, as HS priority, 69
 - as botany-related hobby, 19, 42
 - HS's enthusiasm for, 27
 - instruments of, 42, 53
 - as profession, 80, 202 n.79, 207 n.53 (*see also* gardeners)
 - at Tower Grove (estate), 41
- Gardening for Pleasure* (Henderson), 39
- garden journals, 42–44, 48
- see also* account books
- garden organization methods
- Bentham and Hooker method, 210 n.20
 - botanical classification, 80
 - with gardenesque approach, 52
 - grand divisions, 71, 110–11
 - William Hooker on, 64–65
 - HS's plans for, 66, 140
 - scientific, 44
 - tripartite method of John Loudon, 70
 - visual patterns, 81
- garden plots, suburban, 13–14
- gardens
- art vs. nature, 120
 - exotic plants in, 9
 - as marker of refined living, 33
 - popularity of, 68–69
 - as status symbol, 123
 - wild, 168
 - see also* botanical gardens
- garden structures, 52, 84
- see also specific types*
- gates and gatehouses
- Flora Avenue, 175
 - Grand Avenue, 138
 - main, MBG, 67, 72, 75, 82, 174
 - Manchester Road, 76
 - pedestrian, 112, 136, 137, 140
 - in portrait of HS, 88
 - public, botanical garden, 62, 66, 73
 - removal of, 164
 - Tower Grove Park, 137, 138, 139, 141, 145, 151
 - Francis Tunica and, 136
- "Gateway to the West," 56
- gazebo, MBG arboretum, 77
- General DuBourg rose, 37
- Genera Plantarum* (Bentham and Hooker), 171
- Genesee Falls nursery, 43
- gentility and botany, 11
- gentleman gardener, role of, 6
- genus *Engelmannia*, 57
- "George IV" peaches, 48
- Geyer, Karl Andreas, 56
- Gilpin, William, 29, 116, 117, 195 n.18
- ginkgo trees, 140
- ginko trees, 140, 154
- Glasgow Botanic Garden, 51, 52, 65
- Goethe, Johann Wolfgang von, 196 n.31, 198 n.14
- Gothic fretwork, on garden structures, 84
- Grand Avenue, 32, 138
- grand divisions of botanical gardens, 70–71, 97, 110–11, 200 n.54, 200 n.56
- grandmother's garden, 183
- Grand Tours
- country ramble vs., 118
 - as eighteenth-century tradition, 27
 - of HS, ix, 28–30, 44, 204 n.13, 205 n.27
- grapes, 37, 53, 54, 57
- grapes, Black Hamburg, 42, 48, 87
- Gray, Asa
- as advisor to HS, 160
 - birth and education of, 199 n.26
 - bust of, 95
 - Engelmann and, 57–60, 198 n.24
 - and Engelmann's collected works, 199 n.25
 - William Hooker and, 200 n.48
 - as HS advisor, xi
 - on HS's plans, 209 n.1
 - as MBG visitor, 101, 155
 - portrait of, 59
 - as professional botanist, 60–61
 - on scientific concerns, 68
 - seeds from, 104
 - visit to Kew, 66, 200 n.48
 - and will of HS, 157
 - works of, 199 n.28
- Great Conservatory, Chatsworth, 50
- Great Exhibition of the Works of Industry of All Nations (Arts and Industry of the Empire), x, 45
- Great Fire, 30–31
- Great Stove, Chatsworth, 50
- Greeley, Horace, 101
- greenhouses. *see* plant houses
- Green Lane Works, 14
- Greenleaf, Eugene, 147–48
- Green-Wood Cemetery, Brooklyn, 108, 203 n.6

- gridded streets, St. Louis, 21
 Grove, the, 12, 38, 71, 71, 72, 73, 166
 guidebooks, 29, 100, 117, 195 n.18
Guide to the Garden (Shaw), 70–71, 97–98, 194
 n.12
 Gurney, Bernice, 202 n.78
 Gurney, James
 in the arboretum, MBG, 90
 botanical contribution of, 92
 Dimmock on, 202 n.76
 as head gardener, 80, 148
 on HS, 202 n.77
 and the Knolls, 184
 as pallbearer, 158
 as park superintendent, 160–61
 at Regent's Park, 197 n.10
 with Tower Grove gardeners, 91
 on Victoria lily pad, 164
 and water lilies, 202 n.80
 writings of, 156
 Gurney, James Jr., 202 n.78
- H. Hoole and Company, Sheffield, 45
Halesia tetraptera (snowdrop tree), 140
 hallmarks of society, 157
 Hampton Court, 7
 Hardwick, Bess, 51
 hardy lilies, 185
 hardy roses, 37
 Harris, Mary, 104
 Hawksmoor, Nicholas, 94
 hedge apple (*Maclura pomifera*), 37
 hedges, 136
 heliotrope, 100
 hemlock, 139, 140
 Henderson, Peter, 39, 80
 herbaceous grounds
 circular configuration, 81
 decorative effect of, 84
 in 1889 drawing, 71
 in the Garden, 70
 main conservatory and, 97
 method of organization, 80
 plans for, 166
 remaking of, 186
 renovation preparations, 182
 retention of, in 1905 plan, 175
 in Trelease plan, 172
 views of, 72, 74
 as weed patch, 212 n.40
 herbaria, 56, 57, 65, 71, 104
 Herziger, Emil, 88–89
 Historic District, MBG, 202 n.82
 Home of the Friendless, 3
 honeysuckle, 36, 42, 140
 Hooker, Joseph Dalton, 17, 59, 101, 155, 171
- Hooker, William Jackson
 on botanical gardens, 64–65
 Engelmann and, 65–66
 Glasgow Botanic Garden, 51
 Asa Gray and, 200 n.48
 HS and, x–xi, 59, 60–63
 Hoole, Henry, 155
 Hoole, James, 45
Horticulturalist, The, 207 n.53
 horticultural journals, 19, 36, 100, 196 n.31, 197
 n.3, 207 n.53
 see also specific titles
 horticulture, 19, 98
 see also botany; garden botany
 Hotchkiss, Almerin, 203 n.6
House of Memories, In the (Bay), 202 n.80
 Hovey, Charles Mason, 100, 106, 207 n.53
 Hudson River School, 118
 Humboldt, Alexander von, 7, 17, 59, 65, 149
 hybrid perpetual roses, 53
 Hyde Park, London, 44
 Hyde Park, St. Louis, 207 n.50
 hydrangeas, 43, 184
- Illustrated Journal of Agriculture*, 100
 immigrants, 26, 47–48, 92, 195 n.14, 198 n.13
 Imperial Botanic Garden of St. Petersburg, 80
 import business, 20, 22–23, 26
 improvement, Victorian age interest in, 5, 111,
 118, 123, 124
 Improvement Act of 1843, England, 111
 India rubber trees, 100
 indigenous plants. *see native plants*
 individual perfection and the gardenesque, 120–21
 industrialists as benefactors, 113
 Industrial Revolution, 7, 13, 107
 intellectual improvement, Victorian age interest in,
 5, 111, 118, 123, 124
 inventories
 assets of HS, 26
 plants, 43–44, 139–40, 161
 iris, 37, 43
 Irish immigrant labor, 47–48
Iris pumila, 37
 Italianate style, 34–35, 35, 71
 Italian garden, 183
 Italian parterre. *see parterre, sunken*
- James I pavilion, Derby Arboretum, 114
 Jardin des Plantes, Paris, 18
 Jefferson, Thomas, 196 n.27, 197 n.6
 Jensen, Jens, 39
 Jobson, Robert, 14
 Juno (sculpture), 96, 97, 179, 183, 202 n.82
- kalmia, 140

- Kemp, Edward, 111, 123
 Kensington Place orangery, 94
 Kent, William, 51
 Kern, Maximillian G., 195 n.24, 207 n.50
 Kessler, George, 178
 Kew Botanic Garden. *see* Royal Botanic Gardens, Kew
 Kingshighway gate, 138, 145
 Kingsley, Charles, 101
 kitchen gardens, 11
 Knight, Richard Payne, 117
 Knolls, the, 183–84, 186
 knowledge, growth of, in nineteenth century, 17
- labeling of plants, 5, 109, 150–51
 laborers, pay scale for, 197 n.11
 labyrinths, 140, 140, 164–67, 208 n.59, 208 n.60
 Laclede, Pierre, 21
 Laclede Park, St. Louis, 207 n.50
Ladies Magazine of Gardening, 207 n.53
 Lafayette Park, St. Louis, 33, 195 n.24
 lake, in North American tract, 170
Lake District (Gilpin), 117, 195 n.18
Landscape, The (Knight), 117
 landscape architects, 174–75, 177–78
 landscape gardening, 54, 98, 126, 183
 La Prairie de la Barrière à Denoyer, 23
 lath house, 40
 lattice, as pavilion material, 84
 lawn, 167
 Lawson, Peter, 80
 lawsuit for breach of promise, 87
 lecture rooms, 62
 lemon tree, 87
 levees, St. Louis, 21
 Lewis, Meriwether, 196 n.27
 Lewis and Clark expedition, 194 n.8
 libraries
 - of HS, 49
 - in HS's plan for botanic garden, 97
 - MBG, 65, 68–69, 71, 195 n.18
 - Mercantile, 3
- lilac, white, 37, 43
 lilies, 43, 54, 185
 Lily House, Chatsworth, 50
 lily pads, 45, 93, 163, 164
 lily ponds, 93, 95, 161, 164, 184, 184–85
 lime tree (*Tilia europaea*), 140
 Lindell, Jesse, 31
 Lindell, Peter, 27, 31
 Lindell Hotel, 31, 141, 209 n.62
 Lindheimer, Ferdinand, 56
 Lindley, John, 49, 59, 196 n.31
 linear planting, 83–84
 line of sight, from villa tower, 72
 Linnaeus, 7, 17, 60, 95
- Linnaean system of botanical classification, 8–9
 Linnaean House, 94–95, 95
 Little Sisters of the Poor, 3
 Liverpool, England. *see* Birkenhead Park, Liverpool
 lobelia, 39
 Locher, E., 80
 Loddiges family nursery, 108–9
 lodges, 62, 66, 167
 London, 15, 44, 45, 108–9
 - see also* Royal Botanic Gardens, Kew
- London, George, 14
 Longwood Gardens, Pennsylvania, 212 n.38
Lonicera, 42, 140
 Loudon, Jane Webb, 207 n.53
 Loudon, John Claudius
 - and aesthetics, 211 n.31
 - on arboreta, 110–11
 - arboretum plan, 204 n.14
 - on bedding out, 206 n.33
 - birthplace, 193 n.5
 - cemetery purpose and design, 108–9, 109
 - coding system of, 80, 81
 - on correct nomenclature, 205 n.18
 - design for small country villa, 86
 - on garden design, 86, 200 n.54
 - and gardenesque approach, 52, 119–20, 123
 - on gardenesque/picturesque contrast, 120–21
 - horticultural journalism and, 207 n.53
 - as HS influence, 7
 - on HS's flower garden, 201 n.66
 - on Robert Marnock's taste, 53
 - Mill Hill visit, 16–17
 - as Olmsted and Vaux influence, 206 n.40
 - on parterres, 84–86
 - plan for Derby Arboretum, 113–15
 - planting campaign, 207 n.49
 - on prospect-tower, 201 n.63
 - on public access to trees, 208 n.57
 - ridge-and-furrow roof, 201 n.58
 - Sheffield garden tour, 197 n.9
 - tripartite method of organization, 70
 - works of, 194 n.3
 - writings of, 29, 49, 199 n.35
- Loves of the Plants* (Darwin), 9, 9
 Lowic, Lawrence, 194 n.9
 Lucas Place residents, 33
 lungs of the city, parks as, 107
- MacAdam, David, 126, 207 n.42, 209 n.6
Maclura pomifera (Osage orange or hedge apple), 37, 154, 196 n.27
 MacMahon, Bernard, 36
 magazine articles on botany, 11
 - see also* horticultural journals
- Magazine of Horticulture*, 36, 100, 207 n.53

- Magnolia Avenue pedestrian gate, 136, 140
 Magnolia Avenue villa, 113
 magnolias, 140
 mahonias, 42, 140
Maid of Orleans (steamboat), ix, 20
Mamillaria, in changeable bed, 68
 Manchester Road entrance, 73, 76
 manifest destiny, landscape as expression of, 118
 Manning, Warren, 39, 174
Manual of the Botany of the Northern United States (Gray), 199 n.28
 maples, silver, 72
 maples, white, 140
 maple trees, along Flora Avenue, 76
 Marnock, Robert, 52–53, 109, 174, 197 n.10, 211 n.31
 mass plantings, 39, 110, 123, 162
 Matlock, England, 44, 119
 Matlock Bath, England, 14
 Matthews, Leonard, 211 n.22
 Maury Gate, 137
 mausoleum of HS, 159, 170
 MBG. *see* Missouri Botanical Garden (MBG)
 McClure, George E., 212 n.38
 meadows, 132, 132, 133, 167
 medicine and botany, 55, 60
 Meehan, Thomas, 80, 100, 174
Meehan's Monthly, 78, 100, 207 n.53
 Meier, Adolphus, 203 n.1
Memoirs of the American Academy of Arts and Sciences (Gray), 199 n.28
 Meramec River valley, 54
 Michaux, André, 18
 middle classes, 107, 120, 124
 "Midwest," 197 n.12
 mignonette, 43
 Miller, Richard E., 178
 Mill Hill, 14–15, 16–19
 Millhillians, 15–16
 mission, of TGP, 115
 Mississippi River, 21, 21, 22
 Missouri Botanical Garden (MBG)
 alterations following death of HS, 159–60, 165–72, 174–76, 183, 185–86, 209 n.7, 210 n.22
 annual reports, 165–67
 board of trustees, 160, 169, 171–72, 177, 210 n.15, 210 n.17
 book stamp, x
 botanizing at, 10
 composition and size, xii, 70, 71
 expansions, proposed, 171, 172, 176
 flower beds, 82
 herbarium, 198 n.24
 HS plan, 47, 48
 improvements, first major, 104
 La Prairie de la Barrière à Denoyer as site of, 23–24
 lath house and caladium bedding, 40
 as leading botanical institution, xii, 100
 main garden and lily ponds, 184
 main gate, 75
 Noyes plan, 178–80, 180
 objectives of, 98–100
 Olmsted plan, 176, 211 n.34
 opening of, 86–87
 plant beds, 82, 83
 plant houses on north wall, 70
 plant lists, 79–80
 regulations for use, 98
 style of, xii
 tornado damage, 173, 173, 175
 Trelease plan for, 169–72
 vignettes, 48, 73
 villas as proposed revenue source, 112–13
 visitors, early, 101
 Washington University joint venture, xi
 in will of HS, 157
 see also individual elements
 Missouri Historical Society, 3
 Missouri legislature, 104–6
 Missouri Park, St. Louis, 33
 Missouri School for the Blind, 3
 mock orange (*Philadelphus*), 42, 140, 184
 mock ruins, 143
 Monell, Joseph, 155–56
 monkey puzzle tree, 41
 monkshood, 42
 Moore, George, xii, 177, 178, 179, 183
 Morisse, Julius, 44
 moss roses, 37, 42
 "Mother bringing children to the William Ellery Channing monument" (engraving), 108
 Mount Auburn Cemetery, Cambridge, Mass., 107, 108
 Mount Hope Cemetery, Rochester, N.Y., 30
 Mount Hope Nursery, Rochester, N.Y., 42, 43, 78
 mulberry, white, 37
 Mulford, Isabel, 212 n.39
 museum
 as component of botanical garden, 97
 construction of, 62, 68–69
 and new conservatory location, 172
 Olmsted firm recommendations, 174
 in portrait of HS, 88
 retention of, in 1905 plan, 175
 view of, 170
 visitors on steps of, 72
 Music Stand, 146, 147, 152, 153, 153–54
 Nash, John, 94, 204 n.11, 206 n.33
 National Academy of Sciences, 58

- National Historic Landmarks, 208 n.58
National Register of Historic Places, 208 n.58
Native Americans, 194 n.8
native plants, 10, 18, 38–39, 140, 174
naturalistic landscape, 175, 186
nature
 changing notions about, 125
 contrast of industry and, 13–14
 in contrast to the gardenesque, 124
 juxtaposition with culture, 97
 the picturesque as evocative of, 124–25
 qualities of, 39
 study of, 10–11 (*see also* botanizing)
 variety in, 40
nectarines, 53
Netherthorpe, 14
New Orleans, HS in, 20
New York Botanical Garden, the, xii
Nicoli, Carlo, 97
nineteenth century
 aesthetics of, xii, 126
 botanical reference books, 49, 65
 botany, popular interest in, 8–11, 19
 gardeners, role of, 202 n.79
 HS as representative of, 6
 knowledge, growth of, 17
 public parks and middle classes, 107, 111
nomenclature, binomial system, 17, 195 n.26, 205 n.18
Nonconformists, 15
nonindigenous plants. *see* exotic plants
nonnative plants. *see* exotic plants
Noonan, E. A., 158
North America, exotic plants in, 39
North American tract, 170, 171, 171, 174, 199 n.28
Norway spruce, 42, 139, 140
"Notes on Vegetation" (Shaw), 48
Noyes, John, 177–80, 179, 180
nurseries, plant, 36–37, 74, 78, 80
 see also individual names
Nuttall, Thomas, 56–57, 60, 95
nut trees, 37
nymphaea, 97, 162
oak trees, 57, 63, 140
Observations on the River Wye (Gilpin), 117, 195 n.18
Observations Relative Chiefly to Picturesque Beauty (Gilpin), 116
observation towers, 11
observatory pavilion, MBG, 84, 85, 164, 175
O'Fallon, John, 30
O'Halloran, Bernard, 30
Old Colony Nursery, Plymouth, Mass., 78
oleander, 41
Olmsted, Frederick Law
 aesthetic choice of, 125
 Bentham and Hooker organization, 210 n.20
 and exotic plants, 39
 on HS's garden, 102, 174, 211 n.29
 on need for public parks, 106
 and the picturesque, 206 n.40
 plan for MBG improvements, 211 n.25, 211 n.26, 211 n.28
 and Trelease plan, 172
Olmsted, John Charles, 174, 175, 211 n.26
Olmsted, Olmsted, and Eliot. *see* Olmsted firm
Olmsted firm
 archives of, 212 n.36
 plan for MBG, 172–74, 176, 176–77, 179, 211 n.28, 211 n.33–34
 termination of contract with, 177
On the Laying Out, Planting, and Managing of Cemeteries (Loudon), 108, 109
On the Origin of Species (Darwin), 125
Ophioglossum engelmannii Prantl, 57
orangery, Kensington Place, 94
orange trees, 153
orchids, 97, 210 n.18–19
ornamental elements, in gardenesque approach, 110, 122–23, 153, 161, 162
 see also specimen plantings
ornamental trees, 140
Osage orange (*Maclura pomifera*), 37, 154, 196 n.27
"Our City" (lithograph), 21
pagoda (covered seat), 85
paisley motif in flower bed planting, 82
pallbearers at funeral of HS, 158
Palm House, Kew, 66
Palm House, MBG, 181
 adaptive reuse of, 208 n.61
 as component of botanical garden, 97
 James Gurney and, 91
 as main conservatory, 92
 Olmsted firm recommendations, 174
 siting of, 179
 three-part configuration, 94
Palm House, Royal Botanic Gardens, 51
palm houses, TGP, 141–44, 144, 152–53
palms, 153, 161
park entrances. *see* entrances
park garden, HS's plan for, 32, 33
park keeping, 5
park mazes, 7
parks. *see* public parks; *specific parks*
parterre, sunken
 ca. 1860, 75
 ca. 1890, 69
 1889 plan, 71, 166

- parterre, sunken (*continued*)
 decorative effect of, 84
 design of, 64, 84–86, 168
 and Historic District, 202 n.82
 Juno (sculpture) and, 97
 and main conservatory, 92, 96
 Olmsted firm recommendations, 174
 remaking of, 185–86
 removal of, 179
 in Trelease plan, 172
 views of, 72
 visual pattern of, 81–82
 parterres, 11, 14, 84–86, 162, 175
Parthenocissus quinquefolia, 174
Passiflora (passionflower), 42
 pastoral effect, 123–24
 pasture land, 71
 paths and walkways
 construction materials, 74
 in early public parks, 112
 MBG, 83, 99, 139–40, 168, 183
 TGP, 134, 135–36, 137, 154
 pavilions
 Children's Playground, 140, 142, 208 n.59, 208 n.60
 at fruticetum, MBG, 72–73, 74
 James I pavilion, Derby Arboretum, 114
 observatory, 84, 85, 164, 175
 in Tower Grove Park, 141, 141–42, 142, 146, 147, 147–48
 Paxton, Joseph A.
 active recreation facilities, 204 n.10
 and Barbrook, 35
 on bedding out, 206 n.33
 Birkenhead Park and, 111–12, 206 n.33
 at Chatsworth, 14, 49
 construction methods of, x
 Crystal Palace, 45–46
 and horticultural journalism, 207 n.53
 as HS influence, 7, 8
 landscape projects of, 110
 plan for residences as revenue generators, 204 n.11
 ridge-and-furrow roof, 201 n.58
 St. Louis directory and register, 194 n.10
 Victoria water lily, 92
 Payne, Thomas Jefferson, 26
 pay scale for garden employees, 197 n.11
 peaches, 48
 Peak District, England, 14
 pear trees, 37, 53
 pedestrian gates. *see* gates and gatehouses
 pelargoniums, 41
 peonies, 37, 43, 104
 "People's Garden," 106
 pergolas, 84
Philadelphus (mock orange), 42, 140, 184
 Phoenix, F. K., 74, 79, 138
 phylloxera epidemic, 57
Phytolacca, 184
 picotee carnations, 41, 202 n.84
 picturesque, the
 in America, 205 n.24
 in Bois de Boulogne alterations, 208 n.55
 characteristic elements of, 116
 in eighteenth century, 126
 evocation of, 29
 in garden cemeteries, 107–8
 HS and, 118–19
 HS's rejection of, for TGP, 124–25
 in Italianate style, 35
 spirituality and, 117–18, 125
Picturesque America (Bryant), 100–101, 118
 picturesque tours, 117, 197 n.6
 pineapples, 87
 pines, 42, 63, 89, 139
 pinetum, 63, 71, 110
Pinus edulis (western pinyon pine), 19
 Pipe, George, 197 n.11
 Piper Palm House, 144, 144
 Piper Plant House, 144
 Pittsford, N. Y., 24
 Pittville Estate and Spa, Gloucestershire, 204 n.12
 "Plan for the Park" (Shaw), 114–15, 207 n.47
Plan of the Derby Arboretum (Loudon), 114
 plant acquisitions
 for botanical garden, 74–75, 78–79, 87
 replacements for freeze casualties, 104
 for Tower Grove (estate), 29, 36–39, 41–43, 48, 53–54
 plant beds, changeable, 68, 79, 79
 plant casualties, 103–4
 plant classification. *see* botanical classification
 plant collecting, 9–10, 16–17, 17, 43, 56
 Planters' House Hotel, St. Louis, 30, 31–32
 plant-finding expeditions, 17, 49–50, 56–57, 59
 plant houses
 at Chatsworth, 45, 50
 as component of botanical garden, 97
 construction of, 41–42, 62, 66–67, 93–94
 cultivation in, 41
 early, 7, 71
 expense of, 204 n.14
 location of, in garden evolution, 200 n.55
 north wall, MBG, 63–64, 70, 70
 plan for, 166
 in portrait of HS, 88
 in private garden of HS, 72
 as status symbols, 43
 view from villa tower, 72
 see also conservatories; palm houses

plants
 colors of, 18, 92, 161
 HS's passion for, 27
 inventories, 43–44, 139–40, 161
 labeling of, 5, 109, 150–51
 lists, 91, 212 n.36
 names, 195 n.26
 native, 10, 18, 140, 174
 native vs. exotic debate, 38–39
 nonnative, 140
 propagation of, 16
 science of (see botany)
 suppliers, 36–37
 trade in, 16–17
 see also *specific plants*
 Playground Pavilion, 140, 142, 208 n.59, 208 n.60
 pleasure grounds, 109, 206 n.33
 pocket-book plant, 104
 poetry, 9
 pokeweed, 184
 pollution, 210 n.18, 210 n.19
 ponds
 near entrance, MBG, 168
 sailboat, 143
 view from private drive, 73
 water lily, 93, 95, 161, 161, 164, 184, 184–85, 185
 willow, 77
 poplars, 42
 portraits
 eighteenth-century, 6, 88–89
 of George Engelmann, 55
 of Asa Gray, 59
 of HS, 4, 25, 88, 88, 156, 158, 178
 Prairie des Noyers, 26, 29
 Prantl, Karl, 171
 Price, Uvedale, 116, 117, 206 n.40
 primula, 42
 Prince Albert, 45, 50
 Princess Augusta, 66
 Princess Marie rose, 42
 Pring, George H., 177, 179, 212 n.38
 private drive of HS, MBG, 72–73
 private garden, red and white border, 80–81
 progress, landscape as expression of, 118
 property values, Civil War effect on, 103
 propriety, in the American landscape, 125–26
 prospect-tower, 201 n.63
 public access to gardens, parks, and trees, 50, 69, 208 n.57
 public entrance. see entrances
 public parks
 advocates for, 106–7
 Birkenhead Park as model, 111
 cemeteries as, 108–9
 democracy and, 106–7
 HS focus on, 102, 104–6, 115
 as markers of refined living, 33
 recreation in, 112, 204 n.10
 as vehicles for societal reform, 11–12
 villas as proposed revenue source, 112–13
 Queen Victoria, 45, 50, 92, 110, 202 n.80
 quercetum, 63, 71
 quincunx formation, 83, 201 n.61
 raspberries, 43
 real estate
 HS acquisitions, 25–26, 30, 31, 195 n.16, 195 n.20
 sale of, 210 n.17, 210 n.19
 recordkeeping habits of HS, 28
 recreation in parks, 107, 112, 204 n.10
 red and white border, 43
 red coral honeysuckle, 140
 refinement, advancement of, 5
 reform. see societal reform
 Regent's Park, London, 197 n.10, 204 n.11
 regulations for botanic garden, 98
 regulations for Tower Grove Park, 208 n.54
 "Reminiscences" (Shaw), 200 n.57
 Repton, Humphry, 49, 120, 206 n.33
 residences, plan for, as revenue generators, 62, 112–13, 204 n.11
 residences for staff, 62, 71, 91, 113, 141
 reuse of buildings and materials, 94, 208 n.61
 ribbon borders, 83, 97, 175
 ridge-and-furrow roof, 71, 94, 201 n.58
 Ridgeway House, 16, 19, 194 n.4
 Riehl, Nicholas, 36–37, 37, 42, 43
 river Derwent, 14, 44, 119
 river Don, 14
 river Sheaf, 14
 Riviera, Monte Carlo, 174
 robinias, 37
 Robinson, William, 174
 Rochester, N.Y., 25–26, 26, 30, 42, 43, 78
 rock barn, 71
 rockeries, 110, 165
 Rocky Mountains, 60
Rose, The (Shaw and Gurney), 156
 roses, 36, 37, 42, 43, 53, 89, 158
 Royal Botanic Gardens, Kew, 19, 29–30, 51, 65–66, 200 n.47
 "Royal George" peach tree, 48
 rubber trees, 100
 ruins, mock, 143
 rural cemeteries, 107–8
Rural Essays (Downing), 196 n.27
 Ruskin, John, 116
 saguaro cactus, 57, 104

sailboat pond, 143
 salicetum, 63, 71, 110
 salvia, 39
 Sandweiss, Eric, 194 n.9
 Sargent, Charles Sprague, 57, 168, 174, 210 n.20
 Sargent, Henry Winthrop, 40
 scarlet flowering trumpet vine, 140
 Schickler, Carl, 80
 scholarships for training gardeners, 168
 Schomburgk, Richard, 202 n.80
School and Field Book of Botany (Gray), 199 n.28
 School of Botany, xi, 3, 160, 169, 177, 212 n.39
 School of Gardening, 179
 science of plants. *see* botany
 scientific divisions, and parterre design, 64
 scrapbooks, 104
 Scruggs-Vandervoort-Barney, 26
 sculptures
 in garden evolution, 200 n.55
 Asa Gray bust, 95
 Alexander von Humboldt statue, 149
 Juno, 96, 97, 179, 183, 202 n.82
 specimen planting as, 121
 on tomb of HS, 159
 in Tower Grove Park, 148, 153, 154
 seat, covered (pagoda), 72, 84, 85, 201 n.64
 seaweed, rose-colored, 104
 sense of place, regional, 198 n.12
 Shaw, Caroline, 14, 24–25, 27–29, 42–44, 157
 Shaw, Henry
 account books, 79–80
 affinity for England, 6–7
 arrival in North America, 19–20
 arrival in St. Louis, 20–21, 46
 as author, 70–71, 97–98, 156–57, 194 n.12
 as businessman, 22–26
 on correct nomenclature, 205 n.18
 death and burial of, 44, 157–59, 158, 159
 early life of, 14–15
 Engelmann and, 60–61, 65–66
 on exotic plants, 39
 financial worth of, 195 n.15
 garden, original, 200 n.55, 200 n.57
 garden, plan for, 47–48, 66
 garden, private, 71–72
 garden, vision for, 68–69
 garden activities during Civil War, 103–4
 garden guide, 70–71, 97–98, 194 n.12
 at Grand Avenue park entrance, 138
 Grand Tours, ix, 28–30, 44, 204 n.13, 205 n.27
 William Hooker and, 59, 60–63
 influences on, 7–8, 14, 44–47
 interests of, ix, 11, 12, 27
 knowledge of, xii
 lawsuit for breach of promise, 87, 201 n.70
 library of, 49
 marriage expectations, 24–25
 at Mill Hill, 15–16
 Olmsted and, 102
 as park commissioner, 203 n.1
 park garden, plan for, 32, 33
 portraits of, 4, 25, 88, 89, 156, 178
 as product of two centuries, 5–6
 public park, plan for, 104–6, 114–15, 207 n.47
 real estate acquisitions, 26, 30–31, 195 n.16, 195 n.20
 reminiscences of, 200 n.57
 residences, plan for, 204 n.12
 social life of, 24
 TGP, aesthetic choice for, 118–19, 124–27
 TGP, planting directions for, 140
 TGP, vision for, 127–30
 travels of, 155 (*see also* Grand Tours)
 tree plantings in St. Louis, 207 n.50
 U.S. citizenship, 29
 values of, 3–5
 will of, xi, 3, 157, 168, 203 n.88, 209 n.7, 210 n.17
 Shaw, Joseph, 14–15, 19–20, 24, 30
 Shaw, Sarah Hoole, 14–15
 Shaw Arboretum, 210 n.19
 Shaw Place, 199 n.37
 Shaw School of Botany. *see* School of Botany
Shaw's Garden (drawing), 62, 71
 Sheaf River, 14
 Sheffield, England, 5, 13
 Sheffield Botanic Garden, 7, 30, 51, 53, 53, 109, 175, 201 n.58
 Sheffield General Cemetery, 109
 silver maples, 151
 site work, 62–63, 141
 slave labor, 24, 26, 47–48, 195 n.14
 snowberry bush, 43
 snowdrop tree, 140
 societal reform, 4, 6, 11–12
 Sons of Rest Pavilion, 141, 148
 south entrance gatehouse, TGP, 145
 Spaulding and Tiffany, 27
 species identification, 57
 specimen plantings
 Amur cork tree, 38
 gardenesque approach and, 97, 109, 120, 121, 122, 122
 in Tower Grove Park, 140, 162
 specimens, transport of, 56
 sphinx moths, 163
 spirea, 36, 42
 spirituality and the picturesque, 117–18, 125
 sports, areas for, 204 n.10
 Spring Grove Cemetery, Cincinnati, 108
 spruce, 42, 139, 140
 St. John's wort, 140

- St. Louis
 Academy of Science of, 57, 58
 architectural heritage of, 194 n.9
 Bellefontaine Cemetery, 44, 108, 203 n.6
 Cathedral of, 209 n.62
 character of, 20–22, 30, 194 n.8, 195 n.19
 George Engelmann on, 3
 French settlers, 198 n.13
 as gateway to the west, 198 n.12
 Great Fire, 30–31
 HS's early days in, 5
 HS's gifts to city of, 104–6, 207 n.50
 as HS's home, 22–23
 levee and Mississippi River, 21
 map (ca. 1870), 61
 parks and neighborhoods of, 33, 195 n.24, 207 n.50
 Planters' House Hotel, 30, 31–32
 and plant-finding expeditions, 56
 tour guides of, 100
 view from Mississippi River, 22
St. Louis: The Evolution of an American Urban Landscape (Sandweiss), 194 n.9
St. Louis Directory and Register (Paxton), 194 n.10
 St. Louis Place, 207 n.50
 St. Luke's Hospital, 3
 St. Vincent de Paul church, 209 n.62
 stable complex, 141
 staff
 garden, 64, 87, 91, 102, 183, 197 n.11 (*see also* gardeners)
 residences for, 62, 71, 91, 113, 141
 Ste. Genevieve, Missouri, 30
 steamboats, ix, 20, 30–31
 Stevens, Alfred G., 45, 196 n.32
 Stoke-on-Trent, 7
 stone walls, 63, 72
 Stowe, 197 n.6
 Stowe, Harriet Beecher, 206 n.38
Stranger's Guide to St. Louis, 100
 strawberries, 48
 stream, MBG arboretum, 77
 street tree plantings, 201 n.60
 Strobel, C., 80
 Strutt, Joseph, 113, 115, 204 n.14
 students in gardener training program, 168–69
 sublime, the, 29, 116, 195 n.18
Suburban Gardener, 86
 succulents, 94, 165
 summer concerts at TGP, 153
 summer houses. *see* pavilions
 sunflowers, 43
 sunken parterre. *see* parterre, sunken
 superintendent, TGP, 141, 197 n.11
 Sutermeister, Eda, 177–78
 symbolism of trees, 109
 synoptical arrangement, 171
 Syon House conservatory, 176
 syringa, 42
 Tait, A. A., 205 n.16
 taste
 changing, 102, 208 n.60
 cultivation of, as instrument of reform, 4
 Downing on, 126
 Loudon on Marnock's, 53
 see also aesthetics
 tea roses, 53
Temple of Flora (Thornton), 9
 terrariums, 18–19
 TGP. *see* Tower Grove Park (TGP)
Theory of Colors (Goethe), 196 n.31
 Thiele, Henry, 148
 thinkers, radical, 17
 Thomas, James S., 104, 203 n.1
 Thorburn, John, 36
 Thoreau, Henry David, 39, 125
 tiles, from England, 7
Tilia europaea (lime tree), 140
 Tite, William, 194 n.4
 tool production, in Sheffield, 13
 topography, TGP, 111, 112
 tornado damage to MBG, 173, 173, 175
 Torrey, John, 57–58
 tour books, 29, 100, 117, 195 n.18
Tour of St. Louis (Dacust and Buel), 100
 tours, picturesque, 117, 197 n.6
 Tower Grove Avenue, 72, 75
 Tower Grove (estate)
 and conservatory location, 172
 furnishings of, 7
 garden emphasis, xi, 53
 Juno (sculpture) and, 202 n.82
 kitchen garden, 11
 as lodging for students, 169
 plan of land around, 63
 private garden of HS, 62, 71–72
 views from, 10–12, 72
 villa, 11, 12, 33–35, 35, 41, 75, 170, 175, 210 n.16
Tower Grove Park (MacAdam), 207 n.42, 209 n.6
 Tower Grove Park (TGP)
 aesthetic choice for, 119, 124–27
 annual reports, 138–39, 162
 aquatic gardens of, 162
 arboretum, 204 n.14
 Barnett designs for, 144–47
 board of commissioners, 104, 203 n.1
 bond issue for, 106
 carriage drive, 135
 Carriage Pavilion, 142

- Chinese Pavilion, 147
- circulation system, 112
- construction materials, 135
- contemporary descriptions of, 150–51
- cultural events of, 153
- director's house, 91, 113
- financial matters, 161, 208 n.60
- following death of HS, 161–65
- gates and gatehouses, 136, 137, 138, 139, 141, 145
- as historic landmark, 208 n.58
- labyrinth, 140, 140
- La Prairie de la Barrière à Denoyer as site of, 23–24
- maintenance costs, 115
- meadows, 132, 132, 133
- mission of, 115
- mock ruins, 143
- Music Stand, 146, 147, 152, 153, 153–54
- official opening, 148
- palm houses, 141–44, 144, 152–53
- paths and walkways, 134, 135–36
- pedestrian bridge, 133
- plans for, 105, 114–15, 131
- plantings, xi, 121, 122, 136, 162
- Playground Pavilion, 140, 142, 208 n.59, 208 n.60
- regulations for, 208 n.54
- sailboat pond, 143
- Sons of Rest Pavilion, 141
- stable complex, 141
- style, transition in, xii–xiii
- superintendent of, 197 n.11
- topography of, 111–12
- trees of, 150, 151, 201 n.60
- Turkish Pavilion, 146, 147
- vision of HS for, 127–30
- visitors, 149, 151–52
- water lily pond, 161
- town house of HS, 7, 33–34, 34, 202 n.81
- training of practical gardeners, 168–69
- Transcendentalism, 125
- transportation, changes in, 26
- travel guides, 29, 100, 117, 195 n.18
- travel in America, 118
- tree cranberries, 140
- tree ferns, 161
- tree peony, double, 37
- trees
 - allée of, 73
 - for botanic garden, 79
 - Downing on, 49, 196 n.27
 - in gardenesque approach, 122
 - linear plantings, 83
 - in Olmsted plan, 211 n.34
 - public access to, 50, 69
 - as screens, 41
 - symbolism of, 109
 - in TGP, 134, 150, 151, 154, 201 n.60
 - see also plant acquisitions; *specific trees*
- Trelease, William
 - on arboretum tree plantings, 201 n.60
 - correspondents of, 174
 - directorship of, xii
 - as editor of Engelmann's works, 199 n.25
 - educational background, 209 n.1
 - on fruticetum closure, 210 n.12
 - and HS's endowment, 203 n.88
 - long-range plan for MBG, 169–72
 - opportunity created by tornado, 175
 - on pollution problems, 210 n.18
 - recruitment of, for Washington University, xi–xii
 - resignation of, 177
 - at Tower Grove villa, 160, 160, 210 n.16
- trenching, in fruticetum, 64
- trillium, 104
- Triomphe des Bourbons rose, 42
- trumpet creeper (*Campsis radicans*), 174
- trumpet vine, 140
- Tudor style, 44
- tulip trees, 154
- Tunica, Francis, 136, 141
- Turkish Pavilion, 146, 147
- U.S. citizenship of HS, 29
- U.S. economy, pre-Civil War changes in, 26
- Van der Schoot and Son, 80
- Vaux, Calvert, 106–7, 125, 206 n.40
- vegetable gardens, 71, 71, 72, 167
- Victoria & Albert Museum, 196 n.32
- Victoria cruziana* water lilies, 184
- Victorian age
 - HS as personification of, 6
 - interest in education and improvement, 5, 111, 118, 123, 124
- Victoria Pond, 184–85
- Victoria regia* pool, 93, 95
- Victoria regia* water lilies, 46, 92, 93, 95, 162, 163, 163–64, 164, 168, 202 n.80
- vignettes, MBG, 48, 73
- villas, plan for, in early public parks, 112
- Vilmorin Andrieux et Cie, 80
- Vine and Civilization, The* (Shaw), 156–57
- Vinery, Chatsworth, 50
- vinery, Tower Grove (estate), 53
- violets, 49
- Virginia creeper, 174
- visitors
 - to botanical garden, 87, 99, 101, 168
 - on museum steps, 72
 - on palm house opening day, 179

visitors (*continued*)
to park and garden, 155
and photography, 95–97
Tower Grove Park, 148, 149, 151–52
at *Victoria regia* pool, 93
visual patterns in garden beds, 81, 84
viticulture, Engelmann's interest in, 57
voyages of discovery, 17

Wakefield, Priscilla Bell, 49
Wallace, Alfred Russel, 17
walls, 62, 63, 71, 76, 84, 87, 212 n.35
Ward, Nathaniel Bagshaw, 18
Wardian cases, 18
Warner, Charles Dudley, 101
Washington Park, St. Louis, 33
Washington University School of Botany. *see*
School of Botany
water gardens, 162, 179–83, 184
water lilies, 90, 91–92, 161, 202 n.80
water lily house, Chatsworth, 45
water lily pads, 45, 93, 163, 164
water lily ponds, 93, 95, 161, 161, 164, 184, 184–
85
waterworks, at Chatsworth, 50
Watson, B. M., 78
wealth, display of, in gardenesque style, 123

weather in Missouri, 61–62
Webb, Jane, 49
weeping willows, 42
weigela, 140
wells, closure of, 164
Western Horticultural Review (Warder), 36
western pinyon pine (*Pinus edulis*), 19
Weston Park, Sheffield, 109
White Cloud (steamboat), 30–31
white mulberry, 37
wild garden, 168
willow pond, MBG arboretum, 77
willows, 63, 183
Willow Tree fountain, 110, 204 n.8
Wislizenus, Friedrich Adolph, 56
Woburn, 202 n.75
Wodenethe, Hudson Valley, 40
women
botanical reference books for, 49
and gardening, 42
and horticultural journalism, 207 n.53
and School of Botany, 177, 212 n.39
World's Fair (1904), 209 n.62
Wren, Christopher, 34

yuccas, 97, 153

Zebulon Pike (steamboat), 20