

Notes

Chapter I

1. Library of Congress, *Journal of the Continental Congress, 1774-1789*, edited by Worthington Chauncey Ford, Gaillard Hunt, John C. Fitzpatrick, and Roscoe R. Hill (Washington: Government Printing Office, 1904-37), XXV, pp. 330, 963.

2. *Ibid.*, XXIV, p. 492.

3. *Ibid.*

4. "Plan of the City intended for the Permanent Seat of the Government of the United States . . . on the bank of the Potomac," drawn by Pierre Charles L'Enfant, 1791, copy in the Library of Congress.

5. U.S. Congress, *The Debates and Proceedings in the Congress of the United States with an Appendix containing Important State Papers and Public Documents, and all The Laws of a Public Nature; with a copious Index* (Washington: Gales & Seaton, 1851), 1799, p. 208 (hereafter cited as *Annals of Congress*).

6. *Ibid.*, p. 209.

7. *Ibid.*

8. *Ibid.*, 1800, p. 708.

9. *Ibid.*, pp. 711-12.

10. *Ibid.*, pp. 800-81.

11. *Ibid.*, p. 801.

12. *Ibid.*, p. 804.

13. *Ibid.*, pp. 818-20.

14. U.S. Congress, House, *Report of Mr. Williams, Committee on the District of Columbia*, H. Rept. 48, 42d Cong., 2d sess., 1872, p. 35 (hereafter cited as H. Rept. 48); U.S. Congress, House, *Report of Mr. Chipman, Select Committee on the Washington National Monument*, H. Rept. 485, 43d Cong., 1st sess., 1874, p. 2 (hereafter cited as H. Rept. 485).

15. One writer said that when the House passed the appropriation, it was so late in the season that the amendments tacked on to the bill in the Senate did not receive the concurrence of the House, and therefore the Senate refused to act on the appropriation. See John B. Ellis, *The Sights and Secrets of the National Capital: A Work Descriptive of Washington City In All Its Various Phases* (New York: United States Publishing Company, 1869), p. 466 (hereafter cited as Ellis).

16. *Annals of Congress*, 16 February 1816, XXIX, pp. 1009-10; *ibid.*, 14 March 1816, pp. 1211-12.

17. *Annals of Congress*, January 1819, XXXIII, pp. 111-12; *ibid.*, February 1819, pp. 228-29; H. Rept. 485, p. 7.

18. *Annals of Congress*, January 1824, XXXXI, pp. 1044-48; also quoted in H. Rept. 48, p. 36.

19. *Register of Debates In Congress* (Washington: Gales & Seaton, 1832), 53: 367-76; *ibid.*, 54: 1782-12.

20. H. Rept. 485, p. 7. The Greenough statue created an artistic scandal in the

Federal City because Greenough's depiction of Washington like the god Zeus, naked to the waist, offended Victorian proprieties.

Chapter II

1. *The National Intelligencer* (Washington, D.C.), 24 September 1833.
2. *Ibid.*; Constance McLaughlin Green, *Washington, Village and Capital, 1800-1887* (Princeton: Princeton University Press, 1962), p. 170 (hereafter cited as Green, I).
3. Frederick L. Harvey, *History of the Washington Monument and Washington National Monument Society* (Washington: Government Printing Office, 1903), p. 21; also published as U.S. Congress, Senate, S. Document 224, 57th Cong., 2d sess., 1903 (hereafter cited as Harvey).
4. *Ibid.*, pp. 22-3.
5. H. Rept. 485, p. 2; Extract of Minutes of the Washington National Monument Society, 22 February 1839, Brock Collection, Henry E. Huntington Library and Art Gallery, San Marino, California (hereafter cited as Brock Collection).
6. U.S. Congress, House, *Report of the Select Committee on the Washington National Monument*, H. Rept. 94, 32d Cong., 2d sess., 1855, p. 3 (hereafter cited as H. Rept. 94); Harvey, p. 24.
7. H. Rept. 94, p. 3; Harvey, pp. 25, 37-38.
8. Helen Nicolay, *Our Capital on the Potomac* (New York: The Century Co., 1924), p. 494; H. Rept. 48, p. 37; Harvey, p. 35.
9. Ms., ca. 1838, Brock Collection.
10. Resolution of 6 July 1836 by the Board of Managers, Washington National Monument Society, Records of the Washington National Monument Society, Records of the Office of Public Buildings and Grounds, Record Group 42, National Archives (hereafter cited as RG 42, NA); Society and Congressional Publications concerning the Monument and Society, Box 33, RG 42, NA; Harvey, pp. 25-6.
11. Allen Johnson and Dumas Malone, eds., *Dictionary of American Biography* (New York: Charles Scribner's Sons, 1964) (hereafter cited as *D.A.B.*).
12. Society and Congressional Publications concerning the Monument and the Society, Box 33, RG 42, NA; H. Rept. 48, pp. 8, 37. An identical description appears in Harvey, pp. 26-28. A zocle is the lowest member of a column, pedestal, plinth, or wall.
13. H. Rept. 48, p. 8.
14. *Ibid.*
15. "Robert Mills and The Washington Monument in Baltimore," *The Maryland Historical Magazine*, XXXIV (June 1939), pp. 144-60.
16. Richard Bing, "George Washington's Monument," *Constructor*, LVIII (December 1976), p. 20 (hereafter cited as Bing).
17. Henry van Brunt, *The American Art Review* (1880), p. 9, (hereafter cited as Van Brunt).
18. Talbot Hamlin, *Greek Revival Architecture in America: Being an Account of Important Trends in American Architecture and American Life prior to the War Between the States* (New York: Dover Publications, Inc., 1944), p. 49.
19. Statement to the Nation by George Watterston, 10 December 1838, Brock Collection.
20. Benne and Platt to Washington National Monument Society, Letters Received Concerning Designs for the Monument, RG 42, NA.
21. U.S. Congress, House, *Report of Committee on Public Buildings and Grounds*, H. Rept. 434, 28th Cong., 1st sess., 1844, p. 1; Harvey, pp. 35-7.

22. Brief History of the Washington National Monument, ca. 1880, Society and Congressional Publications concerning the Monument and the Society, Box 33, RG 42, NA; Harvey, p. 46.
23. Certificate, ca. 1848, Brock Collection.
24. Walhelmus Bogart Bryan, *A History of the National Capital: From Its Foundation Through the Period of the Adoption of the Organic Act*, 2 vols. (New York: The Macmillan Company, 1916), II, p. 323; Green, I, p. 171.
25. Brief History of the Washington National Monument, ca. 1880, Society and Congressional Publications concerning the Monument and the Society, Box 33, RG 42, NA.
26. *Ibid.*; *The Washington National Monument: Views of the Early Patriots Regarding it; Reasons why it should remain on its present site; objects and uses of such structures; an appeal to the people and their representatives* (Washington: Washington National Monument Society, 1871), p. 13.
27. John W. Reys, *Monumental Washington: The Planning and Development of the Capital Center* (Princeton: Princeton University Press, 1967), p. 44 (hereafter cited as Reys); Bing, p. 21; Green, I, p. 172; John Clagett Proctor, *Washington Past and Present: A History*, 4 vols. (New York: Lewis Historical Publishing Company, Inc., 1930), II, p. 545 (hereafter cited as Proctor).
28. Harvey, pp. 42-43.
29. Clark to President, Washington National Monument Society, 28 September 1875, Box 12, RG 42, NA; Drawing of facilities by Fred A. Stuart, ca. 1875, RG 42, Cartographic Division, NA.
30. Articles of Agreement between Building Committee and William Early, ca. 1848, Letters Received Concerning Foundation, etc., 1848-53, RG 42, NA.
31. U.S. Congress, House, Extract from Report of Lieut. J.C. Ives, 10 August 1859, H. Exec. Document 1, Part 8, 45th Cong., 2d sess., 1877.
32. Dougherty to Carbery, 28 June 1853, Letters Received, RG 42, NA.
33. Symington to Mills, 4 December 1848, Robert Mills Collection, Library of Congress, Washington, D.C. (hereafter cited as Robert Mills Collection).
34. Symington to Carbery, 4 August 1849, Letters Received, RG 42, NA.
35. Dougherty to Whittlesey, 30 June 1848, Box 2, RG 42, NA; Employed at the Washington National Monument, Robert Mills Collection; Bing, p. 21; Harvey, p. 48.
36. Bing, p. 21; Time Book, Washington National Monument, April 1849-October 1892, RG 42, NA. A stonecutter working on the Washington Monument in Richmond, Virginia, earned from \$2.00 to \$2.25 a day in 1851. See Henry Galliger's statement of work, 1 December 1851, Robert Mills Collection.
37. Advertisement of Proposals for Foundation Stone, ca. 1848, RG 42, NA.
38. *The National Intelligencer*, 15 September 1848.
39. Carbery to Whittlesey, 18 January 1853, quoted in Joint Commission on the Construction of the Washington National Monument, *Foundation of the Washington National Monument* (Washington: The Joint Commission, 1877), pp. 47-8, Box 12, RG 42, NA; also quoted in Harvey, p. 47 (hereafter cited as *Foundation*).
40. *The National Intelligencer*, 15 September 1848.
41. Symington to Mills, 22 May 1848; Symington to Watterston, 30 May 1848; Symington to Watterston, 31 May 1848, all in Proceedings and Letters Received Concerning the Foundation, the Cornerstone, and Stone for the Monument, 1848-53, RG 42, NA; Harvey, pp. 43-44.
42. Quotation is from Green, I, p. 172. See also Harvey, p. 46, and Allen Nevins, ed., *The Diary of a President, 1845-1849* (New York: Longmans, Green and Co., 1929), p. 329. President Polk considered that day important enough to include

the events in great detail in his diary. The stone has never been found. One source suggests that when the Corps of Engineers later altered the foundation, it removed or relocated the stone. See Bing, p. 18.

43. *The National Intelligencer*, 15 September 1848.

44. Carbery to Whittlesey, 18 January 1853, *Foundation*, p. 46.

45. Dougherty to Carbery, 25 September 1854, Records of the Secretary, Washington National Monument Society, RG 42, NA.

46. Carbery to Whittlesey, 18 January 1853, U.S. Congress, House, H. Exec. Doc. 1, 45th Cong., 2d sess., 1877, p. 44.

47. Harvey, p. 48; Proctor, II, p. 545.

48. American Medical Association, printed circular by the Committee Appointed to Solicit Funds for a Stone in the Washington Monument, 7 February 1853, in Library of Congress. One such stone which gave the appearance of advertising a business was inscribed as follows: "New York/ Presented By/ Masterton and Smith/ Morgans Marble/ Westchester County." No references were made to George Washington. See C.D. Gedney, *Sketches of Engraved Stone Tablets Contributed to the Washington National Monument* (The author, 17 February 1880), n.p. in Library of Congress.

49. Eckloff to Force, 31 March 1851, Brock Collection.

50. H. Rept. 94, p. 4; Proceedings of the Joint Commission to Construct the Washington National Monument, 12 December 1885, RG 42, NA (hereafter cited as Proceedings of the Joint Commission).

51. U.S. Congress, House, *Report of Mr. Chipman, Select Committee on the Washington Monument*, H. Rept. 79, 42d Cong., 3d sess., 1873, p. 4 (hereafter cited as H. Rept. 79); *The Washington National Monument: Views of the Early Patriots...*, p. 14.

52. Casey to Corcoran, 27 July 1878, Letters Sent (1878-88), vol. I, RG 42, NA; Proceedings of the Joint Commission, 18 December 1884, RG 42, NA.

53. Proceedings of the Joint Commission, 12 December 1885, RG 42, NA; Casey to Newton, Report of Operations for 1884, Letters Sent (1878-88), vol. IV, RG 42, NA.

54. Proceedings of the Joint Commission, 18 December 1884, RG 42, NA; Casey to Corcoran, 27 July 1878, Letters Sent (1878-88), vol. I, RG 42, NA.

Chapter III

1. Statement of the Washington National Monument Society to the U.S. Senate, ca. 1853, Brock Collection.

2. John F. Wershampel, *The Pope's Strategem: Rome to America: An Address to the Protestants of the United States Against Placing the Pope's Block of Marble in the Washington Monument* (Baltimore: 1852), in the Library of Congress; Harvey, p. 53.

3. W.B. Bryan, *A History of the National Capital*, 2 vols. (New York: The Macmillan Co., 1916), II, p. 427.

4. *The National Intelligencer*, Washington, D.C., 8 March 1854, as quoted in Harvey, p. 52. See also J.E. Griffith, *History of the Washington Monument* (Holyoke, Mass.: The author, 1885), pp. 65-69, for a detailed account of the event (hereafter cited as Griffith).

5. H. Rept. 94, p. 5.

6. Newspaper extract, "Washington National Monument Office," 23 February 1855, Brock Collection; Bryan, II, p. 427; Ms., from Secretary Brent of the

Washington National Monument Society, 7 March 1855, Brock Collection; H. Rept. 79, p. 4.

7. Ms., Charges against the old board, 22 February 1856, Brock Collection.

8. Bryan, II, p. 427; Bing, p. 22; Helen Nicolay, *Our Capital on the Potomac* (New York: The Century Co., 1924), p. 495.

9. Harvey, p. 67.

10. H. Rept. 94, p. 5.

11. D.A.B.

12. Extract of a report of Lt. J.C. Ives, 10 August 1859, H. Rept. 48, pp. 3-4.

13. "Foundations of the Washington National Monument," footnote, p. 2, in Records relating to the Design & Construction of the Monument Grounds and to the Offices of the Society, 1850-90, Records of the Secretary, RG 42, NA; Harvey, pp. 68-69.

14. Morgan to Brent, 7 May 1861, Box 12, RG 42, NA; Green, I, p. 262; Benjamin Franklin Cooling, *Symbol, Sword, and Shield* (Hampden, Conn.: Archon Books, 1975), p. 49. There is an interesting wood engraving of the scene around the monument grounds during the war in *Frank Leslie's Illustrated*, 1 February 1862, p. 173.

15. Widdecomb to Secretary of the Washington National Monument Society, 15 December 1884, Records of the Secretary, RG 42, NA.

16. Albert E. Cowdrey, *A City for the Nation: The Army Engineers and the Building of Washington, D.C., 1790-1967* (Washington: Office of the Chief of Engineers, 1978), p. 27 (hereafter cited as Cowdrey).

17. Harvey, p. 74.

18. Ellis, pp. 470-71.

Chapter IV

1. *The New York Herald*, 1 January 1871; Resolution adopted by the Alexandria and Virginia Marble Company, March 1876, Box 12, RG 42, NA.

2. Brent to Starkweather, 6 March 1872, H. Rept. 48; H. Rept. 79.

3. H. Rept. 79.

4. Chipman to Humphreys, 12 February 1873, *Foundation*.

5. Lt. Marshall's Report, 19 February 1873, *Foundation*, p. 4; also printed in H. Rept. 79. Biographical data on Lt. Marshall is available at the United States Military Academy, West Point, N.Y.

6. *Ibid.*, Lt. Marshall's report, 19 February 1873.

7. H. Rept. 79

8. H. Rept. 485.

9. Chipman to Belknap, 24 January 1874, *Foundation*, pp. 7-8.

10. Note of Major General A.A. Humphreys, 29 January 1874, Records of the Corps of Engineers, Record Group 77, National Archives (hereafter cited as RG 77, NA); Report of Lt. Marshall to Gen. Humphreys, 10 April 1874, H. Rept. 485.

11. H. Rept. 485; Speech of Hon. John B. Storm, 4 June 1874, in the House of Representatives, *Washington National Monument: Shall the Unfinished Obelisk Stand a Monument of National Disgrace and National Dishonor* (Washington: Government Printing Office, 1874), pp. 14-15.

12. Harvey, p. 81.

13. *The New York Tribune*, 1 July 1875.

14. Chipman to Belknap, 26 June 1874, and third indorsement, 6 July 1874, *Foundation*, pp. 20-21.

15. Casey to Board of Engineers for Fortifications, 6 July 1874, *Foundation*, p. 21.
16. Board of Engineers to Humphreys, 7 August 1874, *Foundation*, pp. 22-24.
17. Indorsement of 3 October 1874, *Foundation*.
18. Ada Louise Huxtable, "The Washington Monument, 1836-1884," *Progressive Architecture* (August 1957), p. 142 (hereafter cited as Huxtable).
19. Brief History of the Washington National Monument, ca. 1880, Box 33, RG 42, NA; *United States Statues at Large*, approved 2 August 1876, Chapter 250, p. 123; Harvey, pp. 89-90.
20. Harvey, p. 89.
21. *Ibid.*, p. 88.
22. Proceedings of the Joint Commission, 12 September 1876, RG 42, NA.
23. *Ibid.*, 22 November 1876.
24. U.S. Army Special Order No. 196, 21 September 1876, *Foundation*, p. 26; also printed in U.S. Congress, House, H. Exec. Doc. 1, Part 8, 45th Cong., 2d sess., 1877 (hereafter cited as H. Exec. Doc. 1).
25. Report of the Board of Engineers, 10 April 1877, *Foundation*, pp. 26-38. There is evidence that the board may have prepared a report as early as January 1877 that was rejected by General Humphreys as not containing all the information requested by the Joint Commission's resolution. Lt. Kingman had submitted his findings in late December 1876. See Humphreys to Corcoran, 30 January 1877, General Records, RG 77, NA.
26. Report of the Board of Engineers, 10 April 1877, p. 27.
27. Proceedings of the Joint Commission, 16 April 1877, RG 42, NA.
28. *Analytical Review on the Various Reports of the Washington Monument: Review of the Report of the Board of U.S. Army Engineer on the Foundation of the Washington National Monument by the Washington National Monument Society* (Washington: Gibson Brothers, Printers, 1877), Box 33, RG 42, NA.
29. Blake to Humphreys, 24 April 1877, H. Exec. Doc. 1.
30. Blake to Hayes, 31 May 1877, H. Exec. Doc. 1. Normally, the Society would have addressed its reply to the president of the Joint Commission, but since Corcoran was both president of the commission and an officer of the Society, it was thought best to send it to President Rutherford B. Hayes, also a member of the commission.
31. Extract of U.S. Army Special Order No. 44, 7 May 1877, H. Exec. Doc. 1; Kurtz *et al.* to Joint Commission, 13 June 1877, *ibid.*
32. Blake to Hayes, 11 October 1877, H. Exec. Doc. 1.
33. *Ibid.*
34. The day before the board dispatched this letter, Col. J.D. Kurtz, senior member of the board, died. Duane and Gillmore to Joint Commission, 17 October 1877, H. Exec. Doc. 1.
35. H. Exec. Doc. 1; U.S. Congress, House, 46th Cong., 2d sess., H. Rept. 1107, 1880.
36. Proceedings of the Joint Commission, 22 June 1878, RG 42, NA; U.S. Army Special Order 136, 25 June 1878, Box 12, RG 42, NA. According to the Society's historian, Davis was recommended and endorsed by the Society. See Harvey, p. 96.
37. This biographical sketch is based upon the following works: *D.A.B.* Supplement 1, pp. 156-57; *Webster's American Military Biographies* (Springfield, Mass.: G. & C. Merriam Company, 1978), p. 64; Henry L. Abbott, "Memoir of Thomas Lincoln Casey, 1831-1896," *National Academy of Sciences, Biographical Memoirs* (1902), IV, pp. 125-34 (hereafter cited as Abbott); *Biographical Register of the Officers and Graduates of the U.S. Military Academy at West Point, New York Since Its Establishment in 1802* (Cambridge, Mass., 1901), II, pp. 471-73 and Vol.

IV, pp. 83-84; and Bernard R. Green, "Thomas Lincoln Casey," *Twenty-Seventh Annual Reunion of the Association of the Graduates of the United States Military Academy, at West Point, New York, June 11, 1896* (Saginaw, Mich., 1896), pp. 138-49 (hereafter cited as Green, "Casey").

38. Casey to Corcoran, 25 June 1878, Letters Sent, Vol. I, Records of the Engineer in Charge of Construction, RG 42, NA; Harvey to Hill, 13 November 1879, Log Book, RG 42, NA. Meetings of the Building Committee were held in the Widener Building at the corner of 17th and G Streets NW.

39. Proceedings of the Joint Commission, 27 June 1878, RG 42, NA. In Wright to Casey, 27 July 1878, General Records, RG 77, NA, Lt. Col. Wright, a subordinate of Gen. Humphreys and later his successor, sent all papers and records from the period 1874 to 1877, then in the hands of the Corps, to Casey. Casey to Corcoran, 28 June 1878, Letters Sent, Vol. I, RG 42, NA. It is interesting to note that in November 1879, Casey was permitted a telephone in his office in order to communicate with the monument site, and according to him the value of that connection was demonstrated daily. See Report of Operations for November 1879, Letters Sent, Vol. I, RG 42, NA.

40. Corcoran to Casey, 1 July 1878, Letters Sent, Vol. I, RG 42, NA; U.S. Congress, House, H. Misc. Doc. 7, 45th Cong., 3d sess., 1878 (hereafter cited as H. Misc. Doc. 7).

41. Proceedings of the Joint Commission, 23 October 1878; *ibid.*, 26 October 1878; *ibid.*, 7 December 1878; *ibid.*, 9 January 1879, all in RG 42, NA.

42. Casey to Humphreys, 16 December 1878, Records of the Secretary, RG 42, NA.

43. Humphreys and Clark to Joint Commission, 5 February 1879, Records of the Secretary, RG 42, NA.

44. Proceedings of the Joint Commission, 21 December 1878, citing Corcoran's letter of the same date, RG 42, NA.

45. Hayes to Edwards, 24 December 1886, Charles Richard Williams, *Life of Rutherford Birchard Hayes: Nineteenth President of the United States*, 2 vols. (Boston: Houghton, Mifflin Co., 1914), II, pp. 225-26 (hereafter cited as Williams).

46. Stuart to Corcoran, 20 October 1877, H. Exec. Doc. 1; Casey to Joint Commission, 5 July 1878, Letters Sent, Vol. I, RG 42, NA.

47. Casey to Corcoran, 27 July 1878, Letters Sent, Vol. I, RG 42, NA; H. Misc. Doc. 7.

48. Proceedings of the Joint Commission, 25 September 1878, RG 42, NA; Report of Operations for October 1878, Letters Sent, Vol. I, RG 42, NA.

49. Mills himself had said that his obelisk, shorn of its pantheon, would look like a "stalk of asparagus." Quotations are from Huxtable, p. 142.

50. *Ibid.*

51. van Brunt, pp. 9, 65.

52. *Ibid.*, p. 59.

53. Extract from the Proceedings of the Washington National Monument Society at a meeting held on the 17th of December 1878, Records of the Secretary, RG 42, NA.

54. Proceedings of the Joint Commission, 21 December 1878, RG 42, NA.

55. *Ibid.*, 9 January 1879.

56. Winthrop to Morrill, 1 August 1878, printed in Harvey, pp. 302-4.

57. Casey to Humphreys, 23 January 1879, Letters Sent, Vol. I, RG 42, NA. The published version of this letter appears in U.S. Congress, House, H. Misc. Doc. 7, Part 2, 45th Cong., 3d sess., 1879 (hereafter cited as H. Misc. Doc. 7, Part 2).

58. *Ibid.*; Proceedings of the Joint Commission, 8 February 1879, RG 42, NA;

Corcoran to Congress, 11 February 1879, Letters Sent, Vol. I, RG 42, NA; U.S. Congress, House, H. Rept. 1107, 46th Cong., 2d sess., 1880.

59. Casey to Corcoran, 27 July 1878, Letters Sent, Vol. I, RG 42, NA; H. Misc. Doc. 7, Part 2.

60. Edmunds to Casey, 31 March 1879, with extracts of letters, Marsh to Edmunds, 9 February 1879, and Marsh to Edmunds, 25 April 1879, published in Harvey, pp. 299-302.

61. Marsh to Edmunds, 9 February 1879, U.S. Congress, House, 46th Cong., 2d sess., H. Misc. Doc. 37, 1880 (hereafter cited as H. Misc. Doc. 37); *The Washington Monument* (Washington: The Society of American Military Engineers, 1923), pp. 9-10.

62. Proceedings of the Joint Commission, 17 July 1879, RG 42, NA; Casey to Wright, 8 July 1879, Letters Sent, Vol. I, RG 42, NA.

63. Casey to Winthrop, 19 April 1880, Letters Sent, Vol. II, RG 42, NA. This letter is also printed in U.S. Congress, House, H. Misc. Doc. 37, 1880.

64. H. Misc. Doc. 37.

65. Obituary of Robert C. Winthrop, *The Washington Post*, 22 November 1894.

66. Hayes to Edwards, 24 December 1886, Williams, II, pp. 225-26.

67. Campbell to Brownwell, 12 April 1907, file 48, General Correspondence, 1907-1971, RG 42, NA.

Chapter V

1. The shop for carpenters and riggers was a wooden shelter 28 by 60 feet; a shelter for storing stone was 24 by 100 feet; a smith shop was 24 by 37 feet. These structures were all one-story high. Casey to Corcoran, 2 October 1878, Log Book, RG 42, NA; Report of Operations for October 1878; Casey to Corcoran, 2 December 1878, both in Letters Sent, Vol. I, RG 42, NA.

2. Reports of Operations for October and November 1878 and September 1879, Letters Sent, Vol. I, RG 42, NA; Bill for lumber for stonecutters shed, 4 November 1878, Letters Sent, Vol. I, RG 42, NA.

3. Casey to Wright, 10 January 1880, Letters Sent, Vol. II, RG 42, NA.

4. Report of Operations for July 1878, Letters Sent, Vol. I, RG 42, NA.

5. Reports of Operations for October, November, and December 1878, Letters Sent, Vol. I, RG 42, NA; Casey to Corcoran, 2 December 1878, Letters Sent, Vol. I, RG 42, NA, also printed in H. Misc. Doc. 7; Casey to Wright, 1 December 1879, Letters Sent, Vol. I, RG 42, NA, also printed in U.S. Congress, Senate, 46th Cong., 2d sess., S. Misc. Doc. 7, 1879 (hereafter cited as S. Misc. Doc. 7).

6. Davis to Delameter Iron Works, 13 September 1878, Letters Sent, Vol. I, RG 42, NA.

7. Green to Ward, 13 June 1887, Letters Sent, Vol. IV, RG 42, NA.

8. Casey to Wright, 1 December 1879, Letters Sent, Vol. I, RG 42, NA, also printed in S. Misc. Doc. 7.

9. Report of Operations for September 1879; Casey to Wright, 1 December 1879, both in Letters Sent, Vol. I, RG 42, NA.

10. Reports of Operations for November and December 1878, Letters Sent, Vol. I, RG 42, NA.

11. Davis to J.B. White and Bros., 23 August 1879; Casey's Memorandum, ca. April 1879; Reports of Operations for June and August 1879, all in Letters Sent, Vol. I, RG 42, NA.

12. Specifications for White Marble in the construction of the Washington Monument, ca. 1882, Letters Sent, Vol. III, RG 42, NA.

13. Casey to Gillmore, 6 December 1878; Reports of Operations for November and December 1878, all in Letters Sent, Vol. I, RG 42, NA.
14. Report of Operations for August 1879, Letters Sent, Vol. I, RG 42, NA.
15. Casey to Briggs, 9 January 1880, Letters Sent, Vol. I, RG 42, NA.
16. Casey to Wright, 1 December 1880, Letters Sent, Vol. II, RG 42, NA; Casey to Wright, 3 April 1883, Letters Sent, Vol. III, RG 42, NA.
17. Casey to Sisson, 1 December 1880, Letters Sent, Vol. II; Proceedings of the Joint Commission, 6 December 1880, both in RG 42, NA.
18. Casey to Wright, 3 April 1883; Casey to Wright, 27 June 1883, both in Letters Sent, Vol. III, RG 42, NA.
19. Proceedings of the Joint Commission, 12 December 1883, RG 42, NA.
20. Specifications of Granite required in the construction of the Washington Monument in the city of Washington, D.C., ca. 1882, Letters Sent, Vol. III, RG 42, NA.
21. A contract with Davis Tillson of Rockland, Maine, was signed in July 1880. See Casey to Wright, 1 December 1880. A contract with the Cape Ann Granite Company was signed in 1881. See Report of Operations for July 1881, both in Letters Sent, Vol. II, RG 42, NA. A contract with the Bodwell Granite Company was signed in May 1882. See Report of Operations for May 1882, Letters Sent, Vol. III, RG 42, NA.
22. Casey to Wright, 1 December 1879, Letters Sent, Vol. I, RG 42, NA; also printed in U.S. Congress, Senate, S. Misc. Doc. 17, 1879.
23. Report of Operations for July 1878, Letters Sent, Vol. I, RG 42, NA.
24. Casey to Chief Engineer, Sutro Tunnel, 6 September 1878, Letters Sent, Vol. I, RG 42, NA.
25. Report of Operations for September 1878, Letters Sent, Vol. I, RG 42, NA.
26. Return of Officers and Men for February 1879; Report of Operations for September 1879, both in Letters Sent, Vol. I, RG 42, NA.
27. Casey to Wright, 10 June 1880, Letters Sent, Vol. II, RG 42, NA.
28. Reports of Operations for July, August, and September 1880, all in Letters Sent, Vol. I, RG 42, NA; Report of Operations for September 1882, Letters Sent, Vol. III, RG 42, NA.
29. Davis to Murch, 22 September 1880, Letters Sent, Vol. II, RG 42, NA. Casey wired the same congressman, "Five men sent on by you have been or will be employed. There is no room for any more." Casey to Murch, 22 September 1880, Letters Sent, Vol. II, RG 42, NA.
30. Report of Operations for May 1881, Letters Sent, Vol. II, RG 42, NA.
31. Report of Operations for January 1883, Letters Sent, Vol. III; Casey to Wright, 25 March 1881, Letters Sent, Vol. II; Wright to Casey, 28 March 1881, Log Book, all in RG 42, NA.
32. Entry 465 in Inventory, Time Book, Washington National Monument, April 1849 to 1892, RG 42, NA.
33. Report of Operations for August 1880, Letters Sent, Vol. I, RG 42, NA; Griffith p. 13.
34. Casey to Newton, 14 May 1884, Letters Sent, Vol. III; Casey to Lawrence, 14 November 1884, Letters Sent, Vol. IV, both in RG 42, NA.
35. Davis to Casey, 6 September 1884, Letters Sent, Vol. III, RG 42, NA.
36. Brief History of the Washington National Monument, ca. 1880, Ms. in Box 33; Proceedings of the Joint Commission, 18 December 1884, both in RG 42, NA.
37. Casey to Winthrop, 19 April 1880, Letters Sent, Vol. II, RG 42, NA.
38. Casey to Wright, 1 December 1879, Letters Sent, Vol. I; Proceedings of the Joint Commission, 18 December 1884; Brief History of the Washington National Monument, ca. 1880, Ms. in Box 33, all in RG 42, NA.

39. Casey to Wright, 15 October and 1 December 1879, Letters Sent, Vol. I; Proceedings of the Joint Commission, 21 October 1879, both in RG 42, NA.
40. Report of Operations for October 1879, Letters Sent, Vol. I; Report of Operations for May 1880, Letters Sent, Vol. II, both in RG 42, NA.
41. Casey to Wright, 1 December 1880, Letters Sent, Vol. II; Wright to Casey, 13 December 1880, Log Book; Reports of Operations for January and February 1881, Letters Sent, Vol. II; Casey to Wright, 10 December 1881, Letters Sent, Vol. III, all in RG 42, NA.
42. As quoted in Myrtle Cheney Murdock, *Your Memorials In Washington* (Washington: Monumental Press, Inc., 1952), p. 170.
43. Casey to Wright, 1 December 1880, Letters Sent, Vol. II, RG 42, NA.
44. Ibid.
45. Casey to Chairman, Building Committee, 3 June 1879, Letters Sent, Vol. I, RG 42, NA.
46. Ibid.
47. Casey to Otis Brothers and Co., 20 August 1879, Letters Sent, Vol. I, RG 42, NA. Because of the highly technical nature of this ironwork and because of the extreme height this framework was to reach, Casey took great care to instruct the contractors on the preparation of every piece of iron that was to be supplied and installed. See "Description of Iron Work Construction projecting above masonry, Washington Monument, and Apparatus for hoisting and setting stone," n.d., Letters Sent, Vol. II, RG 42, NA.
48. Ibid.; U.S. Congress, Senate, S. Misc. Doc. No. 17, 1879; Report of Operations for November 1879, Letters Sent, Vol. I, RG 42, NA.
49. Casey to Wright, 1 December 1879; Report of Operations for November 1879, both in Letters Sent, Vol. I, RG 42, NA; Report of Operations for December 1879, Letters Sent, Vol. II, RG 42, NA.
50. Casey to Wright, 1 December 1880, Letters Sent, Vol. II, RG 42, NA.
51. Casey to Wright, 7 May 1880; Casey to Wright, 1 December 1880, both in Letters Sent, Vol. II, RG 42, NA.
52. Washington Monument Plan of Masonry at Ref. 150 ft., signed by Casey, ca. 1880, Records of the National Park Service, Record Group 79, Cartographic Division, National Archives.
53. Casey to Wright, 1 December 1880, Letters Sent, Vol. II, RG 42, NA; Harvey, pp. 98-99.
54. Casey to Wright, 1 December 1880, Letters Sent, Vol. II, RG 42, NA. Just before work on the new addition began, Casey recommended to the Building Committee that he use Portland cement mortar in setting the new ashler marble. He also suggested using hydraulic lime of teil in pointing the exterior joints. Portland cement (one part cement and two parts sand) was also proposed for setting the granite. See entry in Log Book, 3 August 1880, and Brief History of the Washington National Monument, ca. 1880, Ms. in Box 33, Records of the Secretary, both in RG 42, NA. Casey also proposed that this procedure be used in the Bunker Hill Monument. Casey to Darracott, 18 July 1882, Letters Sent, Vol. III, RG 42, NA.
55. Casey to Wright, 10 December 1881, Letters Sent, Vol. III, RG 42, NA; also printed in U.S. Congress, Senate, Misc. Doc. No. 19, 47th Cong., 1st sess., 1881.
56. Ibid.
57. Although Casey had requested \$200,000 the year before, he was only given \$150,000 in the last appropriation. By the end of 1882, he had a balance of only \$33,417 on hand after expenditures. See footnote.
58. Casey to Wright, 21 December 1882, Letters Sent, Vol. III, RG 42, NA; also printed in U.S. Congress, Senate, Misc. Doc. 13, 47th Cong., 2d sess., 1882.
59. Casey to Wright, 6 December 1883, Letters Sent, Vol. III, RG 42, NA; also

printed in U.S. Congress, Senate, Misc. Doc. 22, 48th Cong., 1st sess., 1883.

60. *Ibid.*

61. *Ibid.*

62. Casey to Newton, 18 December 1884, Letters Sent, Vol. IV, RG 42, NA. Brig. Gen. John Newton had replaced Gen. Wright as Chief of Engineers and Chairman of the Building Committee of the Joint Commission. Also printed in U.S. Congress, House, Misc. Doc. 8, 48th Cong., 2nd sess., 1884.

63. Casey to Corcoran, 27 July 1878, Letters Sent, Vol. I, RG 42, NA; also printed in H. Misc. Doc. 7, Part 2.

64. O.H. Tittman, *et al.*, "Memoir of Bernard Richardson Green," *Transactions of the American Society of Civil Engineers* (December 1916), LXXX, pp. 2151-56 (hereafter cited as Tittman); Cowdrey, p. 28.

65. *The Washington Monument* (Washington: The Society of American Military Engineers, 1923), p. 9. Following his assignment as aide to Gen. Sheridan, Davis was appointed military governor of Puerto Rico in 1899-1900. In 1900 he was promoted to colonel and in 1901 to brigadier general in the Regular Army. After he retired from active duty in 1903, he was appointed a member of the Isthmian Canal Commission by President Theodore Roosevelt. Davis later became governor of the Canal Zone, where he organized a new government before retiring from office in 1905. Thereafter he went on two special diplomatic missions to Guatemala. He died on 12 July 1918.

66. Green, "Casey," pp. 143-44. Green's biographer gives him the credit for designing the pyramidion. See Tittmann, p. 2152.

67. "Washington Monument. Project for a Marble Pyramidion, January 19, 1884," Sheet No. 1, RG 79, Cartographic Branch, NA.

68. Harvey, p. 96.

69. Casey to Wright, 19 January 1884, Letters Sent, Vol. III, RG 42, NA; Log Book of the Building Committee, 6 February 1884; Proceedings of the Joint Commission, 11 February 1884, all in RG 42, NA.

70. Reports of Operations for May, July, and August 1884, Letters Sent, Vol. III, RG 42, NA.

71. Reports of Operations for September, October, and November 1884, Letters Sent, Vol. IV, RG 42, NA.

72. Casey to Mordecai, 15 June 1885, Letters Sent, Vol. IV, RG 42, NA.

73. Harvey, p. 295; Report of Operations for December 1884; Casey to Frishmuth, 29 October 1884, both in Letters Sent, Vol. IV, RG 42, NA.

74. Report of Operations for December 1884, Letters Sent, Vol. IV, RG 42, NA; Harvey, pp. 99-100. One witness provides a detailed account of this occasion and a good description of the aluminum point. See Griffith, pp. 9-13.

75. Griffith, pp. 15-16.

76. Casey to Poole and Hunt, 11 December 1884, with specifications enclosed, Letters Sent, Vol. IV, RG 42, NA. Quotation is from Casey to Newton, 8 December 1885, Letters Sent, Vol. IV, RG 42, NA; also printed in U.S. Congress, Senate, S. Exec. Doc. 6, 49th Cong., 1st sess., 1885 (hereafter cited as S. Exec. Doc. 6).

77. Report of Operations for March 1885; Casey to Newton, 18 December 1884, both in Letters Sent, Vol. IV, RG 42, NA; Proceedings of the Joint Commission, 18 December 1884; *Roose's Companion and Guide to Washington and Vicinity* (Washington: Gibson Brothers, Printers, 1887), p. 111.

78. Proceedings of the Joint Commission, 16 April 1884, RG 42, NA.

79. Report of Operations for January 1885; Casey to Newton, 8 December 1885, both in Letters Sent, Vol. IV, RG 42, NA.

80. Ben Perley Poore, *Perley's Reminiscences of Sixty Years In the National Metropolis*, 2 vols. (Philadelphia: Hubbard Brothers, Pub., 1886); II, p. 472; Myrtle

Cheney Murdock, *Your Memorials In Washington* (Washington: Monument Press, Inc., 1952), pp. 168-70.

Chapter VI

1. Casey to Wright, 8 March 1883, Letters Sent, Vol. III, RG 42, NA.
2. Proceedings of the Joint Commission, 18 December 1884, RG 42, NA. Nearly all the work would be done by contract under Casey's supervision. Casey to Newton, 10 December 1885, Letters Sent, Vol. IV, RG 42, NA.
3. Casey to Newton, 18 December 1884, Letters Sent, Vol. IV, RG 42, NA.
4. Proceedings of the Joint Commission, 18 December 1884, RG 42, NA.
5. Specifications for Wrought and Cast Iron Work required in completing the stairs, platforms and Elevator fronts inside the Washington Monument, ca. 1885; Casey to Newton, 8 December 1885; Report of Operations for February 1886, all in Letters Sent, Vol. IV, RG 42, NA.
6. Casey to Duane, 20 December 1886; Report of Operations for August 1886, both in Letters Sent, Vol. IV, RG 42, NA.
7. Proceedings of the Joint Commission, 24 April 1882; Proceedings of the Joint Commission, 18 December 1884, both in RG 42, NA.
8. Casey to Newton, 8 April 1885, Letters Sent, Vol. IV, RG 42, NA.
9. Reports of Operations for June, July, August, and December 1885, Letters Sent, Vol. IV, RG 42, NA; Casey to Newton, 8 December 1885, Letters Sent, Vol. IV, RG 42, NA; also printed in S. Exec. Doc. 6.
10. Casey to Newton, 8 December 1885, Letters Sent, Vol. IV; Proceedings of the Joint Commission, 12 December 1885, both in RG 42, NA; S. Exec. Doc. 6.
11. S. Exec. Doc. 6.
12. Quotation is from Casey to Duane, 20 December 1886, Letters Sent, Vol. IV, RG 42, NA; Abbott, p. 134.
13. Casey to Newton, 8 December 1885, Letters Sent, Vol. IV, RG 42, NA; also printed in S. Exec. Doc. 6; Report of Operations for January 1885, Letters Sent, Vol. IV; Proceedings of the Joint Commission, 18 December 1884; Casey to Duane, 20 December 1886, Letters Sent, Vol. IV, all in RG 42, NA.
14. Newton to War Department, 2 June 1885, General Records, Records of the Corps of Engineers, Record Group 77, National Archives; Report of Operations for January 1887, Letters Sent, Vol. IV, RG 42, NA; Custodian to Wilson, 9 May 1894, Letters Received, Box 14, RG 42, NA.
15. Proceedings of the Joint Commission, 18 December 1884; Casey to Newton, 8 April 1885, Letters Sent, Vol. IV, both in RG 42, NA.
16. Casey to Duane, 20 December 1886, Letters Sent, Vol. IV, RG 42, NA.
17. Report of Operations for September 1878, Letters Sent, Vol. I, RG 42, NA.
18. *The American Architect and Building News*, 10 July 1880, VIII, p. 237; *ibid.*, 11 September 1880, VIII, p. 122.
19. Casey to Wright, 5 November 1880, Letters Sent, Vol. II; Proceedings of the Joint Commission, 6 December 1880; Casey to Newton, 8 December 1885, Letters Sent, Vol. IV, all in RG 42, NA; also printed in S. Exec. Doc. 6.
20. Casey to Newton, 8 December 1885; Specifications for inserting memorial stones, ca. 1885; Reports of Operations for June and September 1885, all in Letters Sent, Vol. IV, RG 42, NA; S. Exec. Doc. 6.
21. Wilson to Thomas, 31 July 1888; Wilson to Chief of Engineers, 4 October 1888, both in Letters Sent, Vol. V, RG 42, NA; U.S. Congress, Senate, S. Doc. 332, 71st Cong., 3d sess. Also published as H. Paul Caemmerer, *Washington: The Na-*

tional Capital (Washington: Government Printing Office, 1932), p. 295 (hereafter cited as Caemmerer).

22. Proceedings of the Joint Commission, 29 March 1882, RG 42, NA.

23. Casey to Corcoran, 20 April 1882, Letters Sent, Vol. III, RG 42, NA.

24. Proceedings of the Joint Commission, 24 April 1882, RG 42, NA.

25. Proceedings of the Joint Commission, 18 December 1884, RG 42, NA, also printed in U.S. Congress, House, H. Misc. Doc. 8, 48th Cong., 2d sess., 1884 (hereafter cited as H. Misc. Doc. 8); Griffith, p. 73.

26. Proceedings of the Joint Commission, 18 December 1884, RG 42, NA; also printed in H. Misc. Doc. 8; Casey to Duane, 17 November 1886, Letters Sent, Vol. IV, RG 42, NA.

27. Casey to Duane, 17 November 1886, Letters Sent, Vol. IV, RG 42, NA.

28. Proceedings of the Joint Commission, 22 December 1886; Reports of Operations for March and June 1887, Letters Sent, Vol. IV; Proceedings of the Joint Commission, 17 December 1887, all in RG 42, NA; U.S. Congress, Senate, S. Misc. Doc. 22, 50th Cong., 1st sess., 1887.

29. Proctor, II, p. 546.

30. Joseph West Moore, *Picturesque Washington: Pen and Pencil Sketches* (Providence: J.A. and R.A. Reid, 1887), p. 65.

31. Casey to Duane, 20 December 1886, Letters Sent, Vol. IV; Proceedings of the Joint Commission, 22 December 1886, both in RG 42, NA.

32. Corcoran to Carlisle, 8 January 1887, Copies of Letters Sent, 1876-1888, pp. 197-202, RG 42, NA.

33. Report of Operations for March 1887; Green to Mussey, 30 April 1887; Casey to Duane, 4 May 1887, all in Letters Sent, Vol. IV, RG 42, NA; Proceedings of the Joint Commission, 7 May 1887, RG 42, NA.

34. Report of Operations for period 1 to 9 April 1888, Letters Sent, Vol. IV. This was Casey's last report to the Building Committee. Report of Operations for April 1888, Letters Sent, Vol. V, both reports in RG 42, NA. Special Order No. 76, Army A.G.O., Washington, 3 April 1888, appointed Wilson. See *Annual Report of the Chief of Engineers, U.S. Army, for Fiscal Year 1922*, Report of the Officer in Charge of Public Buildings and Grounds, p. 2198.

35. U.S. Congress, Senate, S. Misc. Doc. 142, 50th Cong., 1st sess., 1888; Report of Operations for September 1888, Letters Sent, Vol. V, RG 42, NA; *Annual Report of the Chief of Engineers, U.S. Army, for Fiscal Year 1890*, Appendix AAA, Report of the Officer in Charge of Public Buildings and Grounds, p. 2829.

36. *The American Architect and Building News*, 9 August 1884, XVI, p. 61.

37. *The American Architect and Building News*, 13 December 1884, XVI, p. 277.

38. Henry O. Avery, "The Washington Monument," *The American Architect and Building News*, 13 December 1884, XVI, pp. 468-69. One later critic observed: "There is no doubt but that the present condition looks somewhat unfinished and incomplete, and it is reasonable to expect that such a structure should appear to rest upon something more than the bare ground as it stands today." See Proctor, II, p. 489. Robert Mills' biographer decried the absence of a base of Mills' proportions; even a modified pantheon would be better than none. See H.M. Pierce Gallagher, *Robert Mills: Architect of the Washington Monument, 1781-1855* (New York: Columbia University Press, 1935, reprinted by AMS Press Inc., 1966), p. 124. Another critic was convinced that the base should be surrounded by a Grecian temple containing in the interior crypts for 24 generals and 24 admirals. See Falcon to Superintendent of Government Grounds, 16 March 1891, Letters Received, Box 4, RG 42, NA.

39. Griffith, p. 20.

40. Caemmerer, p. 297; also published in U.S. Congress, Senate, S. Doc. 332, 71st Cong., 3d sess., 1932.

41. Quoted in Reps, pp. 120-21.

42. Talbot Hamlin, *Greek Revival Architecture in America: Being an Account of Important Trends in American Architecture and American Life prior to The War Between the States* (New York: Dover Publications, Inc., 1944), p. 49.

Chapter VII

1. *Annual Report of the Chief of Engineers, U.S. Army, for Fiscal Year 1922*, Report of the Officer in Charge of Public Buildings and Grounds, p. 2197 (hereafter cited as *Annual Report of the Chief of Engineers*); *Annual Report of the Chief of Engineers for FY 1923*, p. 2045.

2. *Annual Report of the Chief of Engineers for FY 1890*, p. 2829; Miscellaneous ms., RG 42, NA.

3. Wilson to Wise, 3 October 1888, Letters Sent, Vol. V; Washington National Monument Log Book, containing List of Employees, both in RG 42, NA.

4. Ibid.

5. Wilson to Casey, 1 June 1894, Press Copies of Letters Sent, Vol. 66t, RG 42, NA.

6. Custodian to Bingham, 18 July 1902, Letters, 1899-1906, File 1407, RG 42, NA.

7. Report of Operations for September 1886, Letters Sent, Vol. IV; Proceedings of the Joint Commission, 7 May 1887, both in RG 42, NA.

8. *Annual Report of the Chief of Engineers for FY 1889*, p. 3387; *Annual Report of the Chief of Engineers for FY 1899*, p. 3818; *Annual Report of the Chief of Engineers for FY 1914*, p. 3360.

9. *Annual Report of the Chief of Engineers for FY 1915*, p. 3728.

10. The Washington National Monument Log Book, "Number of Visitors to Monument from October 1, 1915, to February 11, 1923," RG 42, NA; *Annual Report of the Director of Public Buildings and Public Parks of the National Capital for FY 1931*, p. 87.

11. *Annual Report of the Chief of Engineers for FY 1893*, p. 4317; *Annual Report of the Chief of Engineers for FY 1899*, p. 3818; *Annual Report of the Chief of Engineers for FY 1895*, p. 4131.

12. Congressman, First District of Colorado, to Custodian, 18 December 1893, Letters Received, Box 13, RG 42, NA.

13. Poole to Ridley, 30 April 1919, with three indorsements, General Correspondence 1907-21, File 48, RG 42, NA.

14. Butterworth to Custodian, 20 May 1892, Letters Received, Box 8; Memorandum, 28 April 1893, Letters Received, Box 10, both in RG 42, NA.

15. *Annual Report of the Chief of Engineers for FY 1897*, p. 4033.

16. *Annual Report of the Chief of Engineers for FY 1924*, p. 2034.

17. *Annual Report of the Chief of Engineers for FY 1915*, p. 3728; *Annual Report of the Director of Public Buildings and Public Parks of the National Capital for FY 1927*, p. 15.

18. *Annual Report of the Chief of Engineers for FY 1923*, p. 2045.

19. *Annual Report of the Chief of Engineers for FY 1905*, pp. 2629-30.

20. *Annual Report of the Chief of Engineers for FY 1890*, p. 2829; *Annual Report of the Chief of Engineers for FY 1905*, p. 2628.

21. *Annual Report of the Chief of Engineers for FY 1904*, p. 3909; Design for a new Guard rail, 23 June 1927, Cartographic Division, Records of the National Park Service, Record Group 79, National Archives.

22. *Annual Report of the Director of Public Buildings and Public Parks of the National Capital for 1931*, pp. 86-7.
23. Casey to Newton, 8 December 1885, Letters Sent, Vol. IV, RG 42, NA.
24. Proceedings of the Joint Commission, 12 December 1885; Corcoran to Dibble, 5 January 1886, Log Book; "An Act," ca. 1886, Letters Sent, Vol. IV, all in RG 42, NA.
25. Report of Operations for September 1886, Letters Sent, Vol. IV; Corcoran to Dibble, 18 February 1887, Copies of Letters Sent and Received 1876-88, Records of the Joint Commission for the Completion of the Washington Monument, both in RG 42, NA.
26. Rules and Regulations in connection with the Washington Monument, 1 May 1890, Letters Received (1891), Box 6, RG 42, NA; Rules and Regulations in connection with the Washington Monument, 30 July 1907, General Correspondence 1907-21, File 48, RG 42, NA.
27. U.S. Attorney General to Secretary of War, 24 August 1895, Letters Received, Box 20, RG 42, NA.
28. Wilson to Thomas, 18 April 1888, Letters sent, Vol. V, RG 42, NA.
29. *Annual Report of the Chief of Engineers for FY 1889*, p. 3387.
30. Proceedings of the Joint Commission, 7 May 1887, RG 42, NA.
31. Toner to Ernst, 16 June 1890, with indorsement, Casey to Proctor, 16 June 1890, Letters Received, in brown envelope, RG 42, NA. According to Horatio King, a leading member of the Society during this period and one of those who opposed hanging the plaque, the tablet cost \$1,300, money that he felt the Society should have turned over to the government to help maintain the monument. King to Wilson, 17 April 1896, Letters Received, 1889-98, RG 42, NA.
32. Proctor to Society, 24 June 1890, Letters Received, in brown envelope, RG 42; NA.
33. Bingham to Wilson, 13 September 1898, Press Copies of Letters Sent, Vol. 87, RG 42, NA.
34. Statement of Col. Theodore A. Bingham, Officer in Charge of Public Buildings and Grounds, 30 September 1901, Letters Received, 1899-1906, RG 42, NA.
35. Proceedings of the Joint Commission, 18 December 1884; Casey to Newton, 8 April 1885, Letters sent, Vol. IV, both in RG 42, NA.
36. "Washington Monument Dying," ca. 1907, news clipping in General Correspondence, 1907-21, File 48, RG 42, NA.
37. Cosby to Obelisk Water Proofing Company, 6 June 1910; Obelisk Water Proofing Company to Cosby, 9 June 1910, both in Public Building and Grounds Correspondence, 1907-21, Metal Box 35, RG 42, NA.
38. *Annual Report of the Director of Public Buildings and Public Parks of the National Capital for 1931*, p. 87.
39. Wilson to Thomas, 16 March 1889, Letters sent, Vol. IX, RG 42, NA. In February 1891, after one of these inspections, the Otis Brothers and Company recommended that the cables be replaced "as soon as possible," since they had been on the elevator a long time. From the time it was inspected two months before "one of the cables, has shown considerable signs of wear." The company suggested that they be changed "at once." Otis Brothers and Company to Ernst, 27 February 1891, Letters Received, Box 4, RG 42, NA. See also *Annual Report of the Chief of Engineers for FY 1890*, p. 2829.
40. *Annual Report of the Chief of Engineers for FY 1893*, p. 4316.
41. Brown *et al.* to Bingham, 3 March 1898, Letters Received, 1889-98, RG 42, NA.
42. Bingham to Brown *et al.*, 15 March 1898, Press Copies of Letters Sent, Vol.

85, RG 42, NA.

43. *Annual Report of the Chief of Engineers for FY 1899*, p. 3819. In a letter to Congressman Lucius N. Littauer, the Sprague Elevator Company, which was interested in installing the electric elevator, expressed the same concerns about the steam elevator while extolling the virtues of an electric one. Besides being more economical and more efficient, the electric elevator would be safer because the chances of mechanical failures would be minimized. This company summed up the advantages of an electric elevator by stressing the compactness of the plant, the simplicity of the plant and its operation, and savings in space, repairs, and fuel. Finally, noted this company, the electric elevator had the ability to make the round trip in at least half the time that was then possible. See Sprague Elevator Company to Littauer, 30 January 1900, Letters Received, 1899-1906, Box 37, RG 42, NA. The Superintendent of the State, War, and Navy Building also agreed that installing the electric elevator system at the monument would "produce the most economical drive in Washington." "It is plain," said the superintendent, "that your plan would pay for itself in 19 months." See Baird to Bingham, 14 April 1900, Letters Received, 1899-1906, Box 37, RG 42, NA.

44. *Annual Report of the Chief of Engineers for FY 1905*, pp. 2629, 2631.

45. Ibid.

46. *Annual Report of the Chief of Engineers for FY 1925*, p. 2629; *Annual Report of the Director of Public Buildings and Public Parks of the National Capital for 1926*, p. 14.

47. Proceedings of the Joint Commission, 8 January 1887; Proceedings of the Joint Commission, 7 May 1887, both in RG 42, NA.

48. Casey to Poindexter and Company, 8 June 1887, Letters Sent, Vol. IV; Proceedings of the Joint Commission, 17 December 1887; Proceedings of the Joint Commission, 10 September 1887; Report of Operations for May 1888, Letters Sent, Vol. V; Report of Operations for September 1888, Letters Sent, Vol. V, all in RG 42, NA.

49. Reports of Operations for July, August, and September 1888, Letters sent, Vol. V, RG 42, NA; Wilson to Sherman, 22 January 1889, Records of the Secretary, Records of the Washington National Monument Society, Box 12, RG 42, NA. There was no transfer of deed, but only a letter from the Society to the Secretary of War turning over the lodge. Bingham to Wilson, 13 September 1898, Press Copies of Letters Sent, Vol. 87, RG 42, NA.

50. *Annual Report of the Chief of Engineers for FY 1889*, pp. 3387-88; *Annual Report of the Chief of Engineers for FY 1890*, p. 2830; *Annual Report of the Chief of Engineers for FY 1891*, p. 3538; *Annual Report of the Chief of Engineers for FY 1892*, pp. 3908-9.

51. *Annual Report of the Chief of Engineers for FY 1893*, p. 4317.

52. U.S. Congress, Senate, S. Rept. 166, 57th Cong., 1st sess., 1902, published as Charles Moore, ed., *The Improvement of the Park System of the District of Columbia* (Washington: Government Printing Office, 1902), Vol. III.

53. Ibid.

54. See, for example, Charles Moore, *Washington, Past and Present* (New York: The Century Co., 1929), pp. 201-3. Moore was one of the most active supporters of the McMillan plan.

55. Caemmerer, p. 99.

56. "Improvement of the Base and Grounds of the Washington Monument: Hearing before The Committee on The Library," H.R. 11208, A Bill to Provide for Engineering and Landscape Study...the Base and Grounds of the Washington Monument..., U.S. Congress, House, 17th Cong., 1st sess., May 1928; Repts, p. 176.

57. "Improvement of the Washington Monument Grounds," U.S. Congress, House, H. Doc. 528, 72nd Cong., 2d sess., 1933.

58. Frederick Gutheim, *Worthy of the Nation: The History of Planning for the National Capital* (Washington: Smithsonian Institution, 1977), p. 201.