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Inventory

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Business Records of Robert Stevenson & Sons, Civil Engineers

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These papers, purchased by the National Library of Scotland, contain the business archive of the Stevensons from the late 18th century to the mid 20th century. They consist mainly of letterbooks, incoming correspondence, reports, memoranda, maps and plans, with a large number of printed pamphlets and reports by the Stevensons and others, concerning all the civil engineering works with which the family was involved. The main interest lies in the material relating to harbours and to lighthouse construction, and to the work of the Northern Lighthouse Commissioners. The arrangement is as follows:

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Letterbooks (outgoing letters)

1. 1799-1805
2. 1806-17
3. 1807-11, being letters to the Bell Rock workyard at Arbroath.
4. 1811-12, 'private'
5. 1812-17, 'private'
6. 1805-7, no.1
7. 1808-10, no.2

8. 1812-17, no.3
9. 1817-20, no.4
10. 1820-22, no.5
11. 1822-24, no.6
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13. 1825-7, no.8
14. 1827-31, no.9
15. 1831-5, no.10
16. 1835-9, no.11
17. 1839-43, no.12
18. 1843-5, no.13
19. 1845-6, no.14
20. 1846-7, no.1 (new series)
21. 1847-8, no.2
22. 1848-9, no.3
23. 1849-51, no.4
24. 1851-3, no.5
25. 1853-5, no.6
26. 1855-6, no.7
27. 1856-7, no.8
28. 1857-9, no.9
29. 1859-60, no.10
30. 1860-2, no.11
31. 1862-3, no.12
32. 1863-4, no.13

33. 1864-5, no.14
34. 1865-6, no.15
35. 1866-7, no.16
36. 1867-8, no.17
37. 1868-9, no.18
38. 1869-70, no.19
39. 1870-1, no.20
40. 1871-2, no.21
41. 1872-5
42. 1872-3, no.22
43. 1873, no.23
44. 1873-4, no.24
45. 1874-5, no.25
46. 1875-6, no.26
47. 1876-7, no.27
48. 1877, no.28
49. 1877-8, no.29
50. 1878-80, no.30
51. 1880-81, no.31
52. 1881-2, no.32
53. 1882-3, no.33
54. 1883-4, no.34
55. 1884-5, no.35
56. 1885-7, no.36
57. 1887-8, no.37

- 58. 1888-9, no.38
- 59. 1890-91, no.39
- 60. 1890-3, 1896-7, 1907 letter and accounts (1883-90) book
- 61. 1891-3, no.40
- 62. 1893-4, no.41
- 63. 1894-5, no.42
- 64. 1895-6, no.43
- 65. 1896-7, no.44
- 66. 1897-8, no.45
- 67. 1898-9, no.46
- 68. 1899-1901 no.47

Letterbooks on Lighthouse Business

- 69. 1846-8
- 70. 1848-9
- 71. 1849-51
- 72. 1847-55

Incoming letters

- 73. 1786-1809 no.1
- 74. 1810-13, no.2
- 75. 1814-17, no.3
- 76. 1818-19, no.4
- 77. 1820-21, no.5
- 78. 1822, no.6
- 79. 1823-4, no.7
- 80. 1824-6, no.8

- 81. 1827-8, no.9
- 82. 1829-36, no.10
- 83. 1837-42, no.11
- 84. 1871-2, letters relating to Japanese lights.
- 85. 1876-84, letters relating to New Zealand lights.
- 86. 1900-1908, letters relating to lighthouses in general.
- 87. 1928-36, general correspondence.
- 88. 1800-91, folder containing incoming letters.

Reports

- 89. Notes of voyages and travelling journal, 1798-1804, containing reports on the state of the Northern Lighthouses.
- 90-5. Reports on Northern lighthouses.
 - 90. 1805-17
 - 91. 1817-22
 - 92. 1822-9
 - 93. 1830-37
 - 94. 1837-42
 - 95. 1842-53
- 96-124. Report Books.
 - 96. 1811-13, no.1
 - 97. 1811-13, duplicate of 96
 - 98. 1813-16, no.2
 - 99. 1814-16, miscellaneous reports of special interest - all entered in 98.
 - 100. 1816-19, no.3
 - 101. 1819-23, no.4
 - 102. 1823-7, no.5
 - 103. 1827-34, no.6
 - 104. Index to report books, 1811-34
 - 105. 1834-42, no.7
 - 106. 1842-8, no.8
 - 107. 1847-50, no.9
 - 108. 1850-53, no.10
 - 109. 1853-9, no.11
 - 110. 1859-64, no.12
 - 111. 1863-7, no.13
 - 112. 1867-71, no.14
 - 113. 1871-6, no.15

- 114. 1875-82, no.16
- 115. 1880-93, no.17
- 116. Index to reports, 1811-82 (also refers to printed reports vols.1-10, nos.523-532)

117-24. Reports on Northern Lighthouses.

- 117. 1885-9, no.18
- 118. 1890-2, no.19
- 119. 1893-5, no.20
- 120. 1896-8, no.21
- 121. 1893-1902, no.22
- 122. 1899-1901, no.23
- 123. 1902-4, no.24
- 124. Index, 1834-47

Memorandum Books

- 125. 1813-21, no.1
- 126. 1801, 1824-8, no.2
- 127. 1822-5, no.3
- 128. 1825-31, no.4
- 129. 1831-7, no.5
- 130. Index to 1839
- 131. 1837-46, no.6
- 132. 1844-9, no.7
- 133. 1848-53, no.8
- 134. Index to 1853
- 135. 1854-66, no.9
- 136. 1866-1908, no.10

Financial Books

137-40. Estimates Books.

- 137. 1813-25
- 138. 1826-41
- 139. 1843-53
- 140. 1853-85

- 141. Office Accounts, 1853-76.
- 142. Accounts rendered, 1879-1910.
- 143. Accounts, 1892-1907.
- 144. Time Book, 1835-42.
- 145. Wages Book, 1838-43.
- 146. Instalment Book, 1847-78.
- 147. Instalment Book, 1874-1911
- 148. Bell Rock Light Accounts, 1807-14.
- 149. Journal Account Book, 1854-8.

Specifications

- 150. 1816-47.
- 151. 1848-68.
- 152. 1869-94.

Miscellaneous papers relating to Lighthouses

- 153-6. Correspondence and papers of the Clyde Lighthouse Trust.
 - 153. Minutes, 1939-52.
 - 154. Toward Point Light, 1928-35.
 - 155. Papers concerning the Clyde Lighthouses Trust, 1870-1949.
 - 156. Papers on various subjects including Cumbrae and Clyde buoys, 1952-3, 1956.
- 157. Papers on the Isle of May and Tay Lights, 1636-1947.
- 158. Papers on Dundee Harbour and Tay Lights, 1839-66.
- 159. Specifications and correspondence on Point of Ayre and Pladda lights, 1887-1941.
- 160. Correspondence relating to Kinnaird Head, 1900.
- 161. Notices to mariners concerning lights, 1795-1842; wreck charts, 1849-71.
- 162. Returns and other papers concerning lighthouses, 1848-57.

- 163-4. Notes on the cost of lighthouse apparatus.
163. ca.1862.
164. ca.1890.
165. Notebook of data on caisson type lighthouses compiled by R L Hankinson, 1936-7.
166. Miscellaneous papers on lighthouses, 1824-93.
167. Photographs of lighthouses and their equipment.
- 167a. Album of prints and drawings of lighthouses.

Miscellaneous papers relating to Harbours

168. Papers on Peterhead harbour, 1827-83.
169. Reports on Irish harbours and piers, 1840-90.
170. Miscellaneous papers on harbours and bridges, 1823-97.

Miscellaneous papers relating to Rivers and Canals

171. Reports on the Ouse drainage, 1853-1918.
172. Forth-Clyde Canal, 1891-1913.
173. Forth-Clyde Navigation Co: abstracts of accounts and list of proprietors, 1768-78.
174. Reports and legal papers concerning the Dornoch Firth, 1830-42.
175. Reports on the Union and Forth-Clyde canals, 1767, 1818.

Miscellaneous

176. International buoyage, 1930-1.
177. Conference papers, 1929-55.
178. Articles for the Edinburgh Encyclopaedia, ?1819, n.d.
179. Minutes of meetings of incorporations at the Magdalen Chapel, Edinburgh, 1685-1765.
180. Notebook containing `Journal to Pladda & Kintyre Lighthouses in Feb 1813' and `Memorandum or Journal of a Trip to the South Rock Lighthouse in Ireland. 1812', by James Murdoch.

- 181. Notebook containing 'Memoranda relative to Steamboats in 1826 by Mr James Slight and Capt Soutar'.
- 182. Reports to the Fishery Board, 1851-1894.
- 183. Notes on the 'catadiotropic prism', ca.1838.
- 184. Miscellaneous papers, 1796, 1824, n.d.
- 185. Miscellaneous reports, 1845-1914.
- 186-7. Index to Plans.
- 188-9. Press cuttings.
 - 188. 1823-53.
 - 189. 1853-1901, including notices to mariners.

Papers of Robert Stevenson

- 190-97. University notebooks of Robert Stevenson.
 - 190. 1803 Chemistry.
 - 191. 1803 Chemistry.
 - 192. 1804 Mathematics.
 - 193. 1804 Chemistry.
 - 194. 1804 Chemistry.
 - 195. 1804 Chemistry.
 - 196. 1804 Chemistry.
 - 197. 1804 Chemistry.
- 198-212. Notebooks.
 - 198. 1811 no.1
 - 199. 1812-13 no.2
 - 200. 1811-12 no.3
 - 201. 1810-11 no.4
 - 202. 1813 no.5
 - 203. 1816-17 no.6
 - 204. 1817 no.7
 - 205. 1817-18 no.8
 - 206. 1817, 1819-20, 1825 no.8a
 - 207. 1819 no.9
 - 208. 1820-21 no.10
 - 209. 1821-22 no.11
 - 210. 1822-24 no.12
 - 211. 1824-25 no.13
 - 212. 1825-26 no.14
- 213. Travelling letterbook of Robert Stevenson, 1826-36.

214-16. Travelling journals of Robert Stevenson.

214. 1826 – Mar 1832

215. Mar 1832-1836

216. 1837-42

217. Corrected copy of Account of the Bell Rock Lighthouse, Edin 1824 [2 volumes].

218. Working drawings for the Bell Rock Lighthouse.

219. Miscellaneous papers.

Papers of Alan Stevenson

220-2. Notebooks of visits to Northern Lights.

220. 1844-6

221. 1846-8

222. 1848-9

222a. Notebook containing notes about optics.

Papers of David Stevenson

223-4. Diaries.

223. 1830-6

224. 1836-7

225. Notebook of David Stevenson of Lighthouse inspection tour, 1860.

226. Notebook containing `Interrogations to be put on visiting Engineering works. First made for a Tour in North America in 1837'. Also contains notes on harbours by Robert Stevenson.

227. Draft article, by Professor Kip Finch on `David Stevenson: Early American Engineering' for Consulting Engineer Magazine, March 1963.

Papers of Thomas Stevenson

228. Notebook of Fossdyke survey, 1840.

229. Skerryvore diary, 1843.

230. Journal of a voyage round the Northern Lights by Thomas Stevenson, 1847.

231. Experiments and correspondence on the force of waves, 1844-1853.

232-68. Notebooks.

232. 1839 Book of Reference for Fisherrow Harbour Act.
233. 1848 Loch Robie Harbour prices and estimate for Scrabster Low Water Pier.
234. 1852 Beaches, harbours, rivers.
235. 1853 Edinburgh Water Works - Visit to Loganlea Reservoir.
236. 1862 Harbours.
237. 1863 Rivers, lighthouses.
238. 1870 Anstruther.
239. 1871 Reservoirs.
240. 1873 Edinburgh water works.
241. 1873 Lighthouse and harbour lights inspection.
242. ca.1874 Jetties, river banks, flood of 1877 - after 1877.
243. after 1875 Harbours, church membership, religion.
244. 1877-1880 Lighthouse inspection, buoyage notes.
245. ca.1879 Optics, lighthouses, RLS's address in Monterey, Harrogate sewage farm.
246. 1884 Visit to London, tides, rivers.
247. ?1884 Waves, rivers, lamps, essay on Nonconformist intolerance.
248. 1885 Sewerage bill.
249. n.d. Rivers, fog reflectors, harbours, bridges, religion.
250. n.d. Tides, lamps, cloud formation - Isle of Skye, St Giles restoration fund.
251. n.d. Waves, Edinburgh water works, note about letters from RLS.
252. n.d. Wick.
253. n.d. Rivers, religion.
254. n.d. Experiment on the illumination of inaccessible rocks at sea by submarine waves, ?RLS writing.
255. n.d. Ouse bridge, religious ideas, notes made by ?RLS.
256. n.d. Weather, lighthouses, harbours etc.
257. n.d. Lighthouses, index at end.
258. n.d. Optics, health notes.
259. n.d. Lighthouses, optics, South Esk reservoir.
260. n.d. Examination questions, religious argument.
261. n.d. Catadiotropic prism, lenses.
262. n.d. Optics, church.
263. n.d. Lighthouses, religion, engagements.
264. n.d. Lights, religious commentaries.
265. n.d. Stonehaven harbour, buoyage, cardinal system.
266. n.d. Notes to and address of RLS in Switzerland.
267. n.d. Lighthouses, harbours, weather.
268. n.d. Waves, harbours, questions for sailors.

269. Miscellaneous papers of Thomas Stevenson.

Papers of John Gray, WS, 1752-1811

- 270. Correspondence between the Gray Brothers (John Gray, WS, Edinburgh and William Gray, Physician, Dublin), 1798-1800.
- 271. Financial papers, 1757-1809.
- 272. Legal papers, 1748-1806.
- 273. Paper relating to the estates of William Gray, 1805-7 and John Gray, 1811.

Maps and Plans

- 274-86. Canals.
- 287-9. Drains.
- 290-99. Harbours.
- 300-355. Lighthouses.
- 356-64. Lord Melville's Monument, Edinburgh.
- 365-78. Machinery.
- 379-97. Maps and Plans of Edinburgh.
- 398-461. Railways.
- 462-507. Roads and Bridges.
- 508-515. Ships.
- 516-520. Miscellaneous.

Canals

- 274. Caledonian Canal
Printed plan, 1815.
- 275-8. Edinburgh and Glasgow Canal
 - 275. Reduced Survey and Section of a line canal between Edinburgh and Glasgow ... by Robert Stevenson, 1817. Printed. (marked)
 - 276. Reduced Survey and Section of a line of canal between Edinburgh and Glasgow ... by Robert Stevenson, 1817. Printed. (unmarked)
 - 277. Sections of the Edinburgh and Glasgow Canal on paper watermarked 1809(?)
 - 278. Section, n.d.

279. London and Birmingham Junction Canal

Map of proposed line of canal and report by Thomas Telford, 1829.
Printed.

280. Manchester Ship Canal

Plans and sections (Plans referred to in T Stevenson's evidence,
Manchester Canal, Session 1884) - printed with MSS annotations.

- (1) River Lune (before works)
- (2) River Lune (after works)
- (3) River Nith (before works)
- (3a) River Nith (after works)
- (4) River Ribble (before works)
- (4a) River Ribble (after works)
- (5) Tay navigation
- (6) River Clyde
- (7) Lough Foyle

281-2. National Ship Canal of Scotland

281. Plans and sections, D & C Stevenson. Session, 1904.

282. Map of low level route by Loch Lomond, D & C Stevenson, n.d.

282a. Plan of the National Ship Canal of Scotland

283. Nicaragua Canal (The Interoceanic Canal of Nicaragua and Costa Rica)
printed.

Map compiled from official data by Frederick Leuthner, n.d.

284. The Tay and Loch Earn Canal

Plan of proposed canal, 1807. (copied 1819)

285. River Wear

Plan for the improvement of the navigation of the River Wear ..., as
proposed by Thomas Meek, Engineer to the Commissioners of the River
Wear and reported on by Messrs Stevenson's Civil Engineers, Edinburgh
1852. Printed.

286. Miscellaneous

Section of mill leads at St Bernard's Well and Canonmills and formulae for
the calculation of water velocity in ink and pencil on paper watermarked
1852.

Drains

287. Sketch plan of Broughton Road and the neighbouring streets showing the direction of the drains. (referred to in a report by Robert Stevenson), 1822.
288. Sections showing drains and tunnel in the Grass Market, Earthen Mound and Burying Ground, on paper watermarked 1816(?)
289. Sketch of part of the Grounds of North Loch showing the proposed improvements, Robert Stevenson, 1816.

Harbours

290. Alloa
- Plan and sections showing proposed dock, swivel bridge, lock gates etc, Robert Stevenson. Printed. (paper watermarked 1842)
291. Cardiff
- Plan and sections showing present state and proposed improvements. Robert Stevenson, 1821.
292. Cullen
- Plan and sections showing proposed repair of East Pier Head. D & C Stevenson, 1896.
- 293-4. Granton
293. MSS Chart of the Firth of Forth from Queensferry to Inchkeith, showing the relative position of the proposed harbour at Granton ... Edinburgh, 1834.
294. Chart of the Firth of Forth from Queensferry to Inchkeith, showing the relative position of the proposed harbour at Granton ... Edinburgh, 1834.
295. Leith
- Sketch plan of the Harbour & Town of Leith ... referred to in a report by Robert Stevenson, 1818.
296. Port Patrick
- Plan for enlarging and improving the harbour and for extending the lighthouse, Robert Stevenson, 1812. (copied 1817).

297-8. Minch

297. Sketch of The Minch relative to the conveyance of the Stornoway Mail referred to in a report by Robert Stevenson, Civil Engineer, 1833.

298. Tracing.

299. Miscellaneous

Plans and Dimensions of harbours, wharfs and ferry-piers made or improved under the direction of the Commissioners for Highland Roads and Bridges, 1806-1821. Thomas Telford. (engraved 1821).

Lighthouses

300. Aberdeen

Plans, elevation and section of the Round House on Aberdeen Pier, n.d.

301-3. Calf of Man

301. Section of the Calf of Man Lighthouse, n.d.

302. Elevation of the Calf of Man Lighthouse (paper watermarked 1816)

303. Map of the Island of the Calf of Man, 1832.

304. Clough

Plan of Clough Lighthouse showing the entrance to the light, as proposed by Mr Spreull (on paper watermarked 1822).

305. Clyde Lighthouse Trust

Plans of Lantern and Lightroom, and section of Toward Point Lighthouse, 1877.

306-8. Cordouan

306. Drawing of supplementary lenses and their mirrors showing their place in reference to great Lenses, n.d.

307. Plan du Phare du Cordouan au Rez de Chaussée, 1822.

308. Section on line A - B, n.d.

309-10. Corsewall

309. Section of Corsewall Lighthouse (on paper watermarked, 1816)

310. Elevation of Corsewall Lighthouse (on paper watermarked, 1816)

311. Covesea Skerries

Northern Light. Frame for the Pyramidal Lenses and Mirrors, n.d.

312. Devaar, Island of

Plan and elevation of the lighthouse on the Island of Devaar, at the entrance of Campbellton Loch, n.d.

313-5. Inch Keith

313. Plan of the Island of Inch Keith showing the site of the Lighthouse. Surveyed 1813.

314. Section of the Inch Keith Lighthouse.

315. Elevation of the Inch Keith Lighthouse.

316-7. Isle of Man

316. Designs for the Isle of Man Lighthouses, 1817.

317. Sections of design for the Isle of Man Lighthouses, 1817.

318. Design for the Isle of Man Lighthouses, 1817.

319. Plans and elevations of lighthouse at Douglas, Isle of Man, n.d. (sheet cut in two unequal parts)

320. Chart of the Calf Sound showing the navigable track between the Calf and the Isle of Man, surveyed in 1835 By David Stevenson, Civil Engineer. Printed.

321. Kirkwall Bay

Design of a lighthouse for Kirkwall Bay and ... [...] n.d. (sheet damaged)

322-3. Kilwarlin

322. Plan of South Rock Light (on paper watermarked, 1812).

323. Plan and section of South Rock Lighthouse (on paper watermarked, 1812).

324. Linus Point

Survey of Linus Point referred to in a report by Robert and Alan Stevenson, 1834. (badly torn)

325. Lismore

Elevation of Lismore Lighthouse, n.d.

326-7. Little Ross

326. Elevation of Little Ross Lighthouse, by John R Wilson.

327. Sections of Little Ross Island Lighthouse, signed C Cunningham and Robert Hume.

328. Lune channel
Section of Upper Lighthouse in the Lune Channel Lights signed by John B Hartley, 1846.
329. Island of May
Section of the Island of May Lighthouse, n.d.
330. Morecambe
Section of Reflector in Morecambe Harbour, n.d.
331. North Ronaldsay
Elevation and section of the 1st Order of Revolving Holophotal, Apparatus of 16 faces, endorsed A S, Edinburgh, 1852.
332. Peterhead
Plan, elevation and section of the South Harbour Light in Peterhead Harbour, signed Thomas Stevenson, 1848.
333. Port Glasgow
Elevation and plan of the Harbour Light, Port Glasgow. (on paper watermarked, 1829)
334. Port Nicholson, New Zealand
Sections of the Harbour Light on Soames Island, Port Nicholson, New Zealand, D & C Stevenson, 1898.
335. Rhinns of Islay
South elevation of the Rhinns of Islay lighthouse, Robert Stevenson, 1823(?)
- 336-8. Ribble
336. Sketch of an Iron Tower for Ribble Light, with estimate of cost on verso (on paper watermarked, 1845).
337. Section of Lighthouse - Ribble Navigation no.2 with notes of costs. David Stevenson, 1846. (another section on verso)
338. Elevation of Ribble Lighthouse - Ribble Navigation. David Stevenson, 1846. (calculations in pencil on verso).

339. Ship of Sanna
- Sections showing access to Lighthouse at Ship of Sanna. Alan Stevenson, 1848.
- 340-1. Skerryvore Rock
340. Elevation of a Bronze Lighthouse proposed to be erected on the Skerryvore Rock by Samuel Brown, Commander, RN, 1836.
341. Sections of Bronze Lighthouse (fig 2) signed Sam Brown, 1836.
- 342-3. South Ferry: Trinity House Dundee
342. Plans and sections of South Ferry Lower Lighthouse. Thomas Stevenson, 1848. (copy of Contract Plan)
343. Elevation of South Ferry Lower Lighthouse. no.1. Thomas Stevenson, 1848.
- 344-5 Start Point Lighthouse
344. Plan, 1814.
345. Plan, n.d.
- 346-55. Miscellaneous
346. Three designs for lightkeepers' cottages, n.d.
347. Two designs for lightkeepers' cottages. (Paper watermarked 1823).
348. Design for a store-house built at Leith for the Hon the Commissioners of Northern Lighthouses, 1825.
349. Drawing of Mitchell's Screw Pile Lighthouse. (On paper watermarked 1840).
350. Drawing of the iron-work and framing of a revolving light of the First Order - mirrors are fixed, n.d.
351. Appareil lenticulaire du 1^{er} Ordre à feu fixe...Paris 1830.
352. Light of the Third Order, n.d.
353. Mirrors - First order, n.d.
354. Fixed Light of Second Order, n.d. (endorsed with initials A.S. [deleted])
355. Fixed Light of Third Order, n.d.

Lord Melville's Monument

356. Elevation of Lord Melville's Monument showing the scaffolding employed in it's erection. R Stevenson, 1822.
357. Sketch showing the situation of Lord Melville's Monument with respect to George Street and the Excise Office, 1821.
358. Section of the foundation-pit and underground work of the Melville Monument, Robert Stevenson, 1821.

- 359. Section of base of the Melville Monument, endorsed no.27 (deleted).
- 360. Section of base of the Melville Monument, endorsed no.28 (deleted).
- 361. Drawing of the top of the Melville column.
- 362. Elevation of base of Melville's Monument, endorsed no.29 (deleted).
- 363. Section of column and foundations of Melville's Monument. (torn in two unequal parts)
- 364. Sections and plans for the base of the Melville Monument endorsed no.30 (deleted).

Machinery

- 365. Drawing of Hand Dredge in use on the Foss Dyke Navigation, Lincolnshire, n.d.
- 366. Drawing of Dixon's Paradoxical Engine, 1818.
- 367. Section of a Steam Dredging Machine in use at Dundee, 1818.
- 368. Sections and front elevation of Marine Dynamometers - full size - for sinking flush in masonry, on paper watermarked 1855.
- 369. Drawings of a Balance Crane, 1822.
- 370. Machinery used for coal drops, Hartlepool Old Harbour. Printed.
- 371. Machinery used for coal drops, Hartlepool. Printed.
- 372. Railway and tram, 1829.
- 373. Elevations of machinery for railways including Stephenson's Locomotive Machine ... at Killerworth Colliery near Newcastle and elevation showing inclined plane at Beamshaw colliery near Newcastle.
- 374. Longitudinal section of 6 Horse Portable Steam engine. Printed.
- 375. Waggon and Tilting apparatus used at Cockenzie.
- 376. Plan of part of railway showing the mode of drawing waggons up an inclined plane. 1818.
- 377-8. Coal pit machines.

Maps and Plans of Edinburgh

379. Map of the City of Edinburgh drawn and engraved for Gray's Annual Directory by A K Johnston, 1837.
380. Sketch map of the City of Edinburgh and Leith with the Estate of Prestonfield and lands adjacent, David Crawford, Surveyor, 1824.
381. Sketch map of the streets adjacent to the top of Leith Walk showing projected new streets, on paper watermarked 1830.
382. Section of Rothemay's plan of Edinburgh, 1647 copied by DAS.
383. Plan and section of the retaining arches for the grounds behind Mr Lorimer's house in Ainslie Place, 1829.
384. Sections of the Bank upon the northern side of Moray & Ainslie Place, 1827.
385. Plan of the Bank behind Moray Place and Ainslie Place ... From a survey by George Buchanan, Civil Engineer, 1837.
386. Plan of the Bank behind Moray Place and Ainslie Place ...From a survey by George Buchanan, Civil Engineer, 1837.
- 387-90. Cross sections of the bank behind Moray Place from Water of Leith to Building. 1837. George Buchanan.
391. Ground plan of the City of Edinburgh's Property on the North Side of the Town. 1816.
392. Mr Stevenson's office sketch of part of the City of Edinburgh and extended Royalty, 1819. [E-W plan from Maitland Street to Jocks Lodge and from Queen Street south to Greyfriars Kirk]
393. Plan showing part of the Parliament Square, with former site of President's Stairs, with written report. David Cousin, Architect, 1838.
394. Sketch of a plan and section of ground for a new Justiciary Courthouse and prison, on paper watermarked 1812(?)
395. Plan of Bridewell Prison (Calton) on paper watermarked 1812(?)
396. Plan of Bridewell Prison.
397. Plan of Bridewell Prison, endorsed Edinburgh the Fourteenth June 1792.

Railways

398-9. Caledonian Railway

- 398. Plans of branches to Canonbie, Langholm, Longtown, etc, Joseph Locke and J E Errington, 1846. Printed.
- 399. Plans of Edinburgh Station, and branches to Granton, to the Edinburgh and Glasgow Railway, Wilsontown, Fauldhouse, Biggar and Broughton. Joseph Locke and J E Errington, 1846. Printed.

400. Carnwath and West Linton Railway

Plans and section of the proposed railway: Carnwath in Lanarkshire to Leadburn. James Leslie, 1845.

- 401. Sections from the River Clyde toward the south showing railway lines etc. Report by Robert Stevenson, 1831.

402. Clydesdale Junction Railway

Plans and sections of proposed railway. Joseph Locke, 1844.

403-4. Dundee and Perth Railway

- 403. Plans and sections (North-side). John Miller, 1844.
- 404. Plans, 1844-5. Printed and manuscript.

- 405. Section showing railway line connected with the Earl of Elgin's Coalworks...taken by F H Fryer, 1817. Referred to in a report by Robert Stevenson, 1820.

406-7. East Lothian Railway

- 406. Plan from Cairnie to Haddington and Dunbar. Robert Stevenson, 1825.
- 407. Smaller MS copy of 406.
- 408. Lithograph of 407.
- 409. Lithograph of no.407, dated 1843.
- 410. Lithograph of no.407.

411-3. East Lothian Central and Tyne Valley Railway

- 411. Plans and sections from Dalkeith by Ormiston, Pencaitland and Haddington to East Linton, 1845.
- 412. Plans and sections from Dalkeith by Ormiston, Pencaitland and Haddington to East Linton, 1845.
- 413. Plans and sections from Dalkeith by Ormiston, Pencaitland and Haddington to East Linton, 1845.

414. East Lothian Central Railway
- Plans and sections of the proposed East Lothian Central Railway from East Linton by Haddington to Pencaitland and Ormiston, Messrs Stevenson, 1846.
- 415-6. Edinburgh Railway
415. Sections of the ground surveyed for the several lines of the Edinburgh Railway, 1818.
416. Sections of the ground surveyed for the several lines of the Edinburgh Railway, 1818.
417. Edinburgh and Dalkeith Railway
- Plans and sections of the proposed extension of the Leith branch of the Edinburgh and Dalkeith Railway from Seafield to Leith, 1836.
- 418-9. Edinburgh and Dundee Railway
418. Plan of the Edinburgh and Dundee Railway from a survey by Robert Stevenson & Son, 1836.
419. Plan of the Edinburgh and Dundee Railway, 1836 (as above).
- 420-3. Edinburgh and Glasgow Railway
420. Reduced plan and section of the proposed railway between Edinburgh and Glasgow and branches; surveyed under the direction of James Jardine, 1826.
421. Plans and sections of the branch to South Queensferry, with subsidiary branches, and the branch to Dunfermline, with subsidiary branches. Alex J Adie and John Miller, 1847.
422. Survey of a proposed line of railway between Edinburgh and Glasgow. Robert Stevenson, 1825, 1826, 1830, 1831.
423. Reduced copy of no.422.
424. Edinburgh, Leith and Glasgow Railway
- Plans and Section of the Edinburgh, Leith and Glasgow Railway. Robert Stevenson, 1835.
- 425-7. Edinburgh to Mid and East Lothian coalfields Railway
425. Plan and section of proposed railway line from Edinburgh to the coalfields of Mid and East Lothian. Robert Stevenson, 1818.
426. Another version of 425 dated 1819.
427. Reduced engraved plan showing proposed railway line from Edinburgh to the coalfields of Mid and East Lothian, surveyed by Robert Stevenson, 1818.

- 428-31. Edinburgh and Northern Railway
428. Plans and sections from Burntisland Pier to Dunfermline. Thomas Grainger, 1846.
429. Plans and sections from Burntisland via Kinghorn, Kirkcaldy, Dysart etc, to Perth. Grainger and Miller, 1844.
430. Plans and sections from North Queensferry, by Inverkeithing to Dunfermline. Thomas Grainger, 1847.
431. Plans and sections from the Newport extension of the Edinburgh and Northern Railway near Seggiehall to St Andrews. Thomas Grainger, 1846.
432. Edinburgh to Peebles Railway
- Plans and sections of proposed railway from Edinburgh to Peebles and of branches to Lasswade and Roslin, David Stevenson, 1845.
433. Edinburgh and Perth Railway
- Edinburgh and Perth Railway with branches and connections. John Miller, 1847.
434. Edinburgh, Portobello and Musselburgh Direct Railway
- G Buchanan and T Grainger, 1845.
- 435-6. Glasgow and Garnkirk Railway
435. Plan and section of a proposed railway from the Garnkirk and Glasgow Railway to the Edinburgh and Glasgow Union Canal, near Falkirk, n.d. (unmarked copy, coloured). Printed.
436. Plan and section of a proposed railway from the Garnkirk and Glasgow Railway to the Edinburgh and Glasgow Union Canal, near Falkirk, n.d. (marked copy, coloured). Printed.
437. Glasgow Harbour Grand Junction Railway Terminus
- Plan and sections. William Gale, 1845. (marked copy). Printed.
438. Plan of proposed railway from the Coalfield of Mid-Lothian to the Rivers Tweed and Leeder. Robert Stevenson, 1821.
439. Plan of proposed railway from the Coalfields of Mid-Lothian to the Rivers Tweed and Leeder, signed Robert Stevenson, 1821. (slightly different from 438).
440. Reduced plan of above. Lithography, 1821.

- 441-5. Montrose to Brechin Railway
- 441. Reduced surveys and sections of several railway lines from Montrose to Brechin. Robert Stevenson, 1819. Engraving.
 - 442. As above dated 1825 (colour added).
 - 443. As above dated 1819 (colour added).
 - 444. Section of the proposed Montrose to Brechin Railway, 1825. (340).
 - 445. Working drawing of railway line in Brechin to Montrose direction, n.d.
446. Section plan and sections of railway line from Newton Colliery to John's Mains through the Lands of Edmonston, Robert Stevenson, 1818.
- 447-8. North British Railway (Tay Bridge)
- 447. Plans and sections of proposed alterations of the levels of the Tay Bridge and Newport Railway, 1880.
 - 448. Plan of the County of Perth showing railway lines. Sheet no.4, n.d. Printed.
449. Sections of railway between Perth and Aberdeen through Strathmore, n.d.
450. Perth to Crieff Railway
- Scroll plan and sections of proposed railway line from Perth to Crieff. Robert Stevenson, 1835.
451. Port St David to Fordel Colliery Railway
- Plan and section of proposed improvements to the present railway between Port St David and the Fordel Colliery, 1828.
452. Preston to the River Wyre Railway
- Plan and section of proposed railway line between Preston and the River Wyre, and also intended improvements to the harbour of Wyre. George Landmann, 1835.
- 453-7. Stockton to Darlington Railway
- 453. Plan and section of proposed railway line or tramroad from Stockton by Darlington to the collieries near West Auckland, with branches in the County of Durham 1820. Lithograph.
 - 454. Sketch of parts of Durham and Yorkshire showing railway lines from Stockton by Darlington to Bishop Auckland with branches to Yarm, Croft and Pierce Bridge. Robert Stevenson. 1819.
 - 455. Darlington Railway, 1819. (enclosed within 454)
 - 456. Darlington Railway, n.d. (enclosed within 454)
 - 457. Section of the Darlington Railway on paper watermarked 1816(?)

458-9. Stirling to Aberdeen Railway

458. Sketch of country from Stirling to Aberdeen showing proposed line for canal or railway through Strathearn and Strathmore. Robert Stevenson, 1819 (marked copy). Engraving.
459. Sketch of country from Stirling to Aberdeen showing proposed line for canal or railway through Strathearn and Strathmore. Robert Stevenson, 1819 (marked copy).

460. Sketch plan of the shires of Kincardine, Forfar, Perth, Fife, Stirling...Selkirk and Peebles with sections showing several lines of railway or canal surveyed or levelled between the years 1817 and 1820 by Robert Stevenson. (torn composite map).

461. Miscellaneous

William Bridges Adam's Patent Railway Carriages on an entirely new principle, 1838. Lithograph.

Roads and Bridges

Edinburgh

462. Sketch showing the western line of approach to the City of Edinburgh proposed by Mr Stevenson, n.d.
463. Plan of the northern part of the south approach by the Bank Street Line, showing also the position of the proposed East Line, n.d.
464. Survey of the lands of Calton Hill and design for a new approach to the City of Edinburgh...signed Robert Stevenson, 1814.
465. Plan of the lands of Calton Hill and design for a new approach to the City of Edinburgh by a bridge over Calton Street. Robert Stevenson, 1814.
466. Sketch of a new proposed access from the Cross to the Grass Market. Robert Stevenson, 1824.
467. Reduced lithograph copy of 466.
468. Map: description of property and owners names on the line of Bridge from Shakespeare Square to Calton Burying Ground, n.d.
469. Plan of Princes Street and Regent Street signed Robert Stevenson, 1817.
470. MS plan for a new road or street from the Musclevurgh road, at or near Jocks Lodge to Princes Street, Edinburgh. [Regent Terrace] s.l.s.d.

Glasgow

471. Lithographed copy of part of map of the roads and tollbars in the neighbourhood of Glasgow. David Smith, 1818.
- 472-85. Hutcheson Bridge, Glasgow.
472. Design for rebuilding Hutcheson Bridge on the foundations of the present piers copied 1828.
473. Plan & Section of the Southern abutment of Hutcheson's Bridge in reference to the Houses in the vicinity, 1830.
474. Plan and section of the Southern Abutment of Hutcheson Bridge & showing the effect which will be produced upon the adjoining property by Excavating for the Foundations, 1829. John Steadman.
475. Plan and section of Retaining Walls at Hutcheson Bridge, David Stevenson, 1832.
476. Elevation of Hutcheson Bridge, Glasgow, designed by Robert Stevenson Esq. Completed in 1832.
477. Elevation of Bridge.
478. Elevation or Longitudinal section of the newer Broumielaw bridge of Glasgow, 1827.
479. Plan of the foundations of the Hutcheson Bridge.
480. Longitudinal section from Glasgow bridge to Hutcheson Bridge.
481. Cross section of south approach to Hutcheson Bridge. Robert Stevenson, 1832.
482. Section across Crown Street. 1832.
483. Longitudinal section of the Roadway of Hutcheson Bridge over the southernmost Arch. James Andrew. 1833.
484. Section across the Crown of the Southernmost Arch of Hutcheson Bridge. James Andrew. 1833.
485. Outline of Hutcheson Bridge showing the manner in which the Foundations will be affected by the deepening of the Bed of the River to the Parliamentary depth, contemplated by the Clyde Trustees in their Bill of 1845.
486. Drawings of arches and abutments for a bridge, Glasgow, David Stevenson, 1832.

Mary Kirk

487. Plan, elevation of bridge at Mary Kirk.
488. Section of the embankment for the bridge at Mary Kirk, signed Robert Stevenson, 1811.

Montrose

489. Design for a Suspension Bridge proposed to be built over the River Esk at Montrose, signed Captain S Brown RN, 1825.

490. As above signed Sam Brown, 1825.

Newcastle

491. Plan, elevation and transverse section of the bridge over the River Tyne at Newcastle as proposed to be altered and improved by the erection of a cast-iron roadway over the present bridge, by Robert Stevenson, 1828.

Norham Bridge no.3

492. Plan, elevation and cross-section of a bridge over the Tweed. Robert Stevenson, 1838.

North Esk

493. Design of a bridge for the North Esk, Kincardineshire. Robert Stevenson, 1811.

Runcorn Gap

494. Sketch section of Runcorn gap with proposed Suspension Bridge over the Mersey and Tunnel under it at the same point.

495. Elevation of proposed suspension bridge at Runcorn gap.

Stirling Bridge

496. Section of arch, 1845(?)

497. Plan and elevation of pilaster of parapet wall, n.d.

498. Gutter-stone, 1832.

499. Section of gutter-curb and pavement as executed.

500. Section of gutter-curb and pavement as proposed.

501. Cope-stone for parapet.

502. Cornice and cope.

503. Cornice.

504. Design of a bridge over the River Forth at Stirling. Robert Stevenson, 1829, completed in 1832.

505. Plan and elevation of a bridge across the River Forth at Stirling.

506. Design for Stirling Bridge signed Robert Stevenson, 1826.

507. Design for a bridge over the River Forth at Stirling, 1826.

Ships

508. Plans, elevation and section of a new vessel for the service of the Northern Lighthouse, 1819.

509. Sheer Draught and profile of inboard works of a floating light vessel for the Honble Corporation of Trinity, n.d.

510. Design of the Regent Yacht, n.d.

511. Plan and section of a vessel to be fitted with Davies Patent Disc Engine and Rennie's Conoidal Propeller, signed George Rennie, 1841. With plan and section of a vessel to be fitted with Craig's Rotary Engine, Spiller's Boiler, and the Screw Propeller, as proposed by Captain Boswall RN, n.d.

512. Plan and section of Steam Boat with Stern Boilers. With plan and sections of Steam Boat with central Boilers, inscribed Baxter's Place, 25 March 1817 and initials MS.

513. Sections and elevations of a ship, endorsed no.53 (deleted), no.49.

514. Plans and sketches of ships and steamboats, endorsed no.7 (deleted).

515. Elevations of ship, endorsed no.52 and no.48 (both deleted) on paper watermarked 1811.

Miscellaneous

516. Plan and elevation of a doorway. Pladda, 1836.

517. Graph showing wind recordings, n.d.

518-9. Tracings of the Dornoch Firth from the drawings of Timothy Pont.

520. The entrance of Lisbon River. ?1760.

Printed material

521.2. Collected printed reports by members of the Stevenson family, 1814-38.

523-32. Printed Reports, Specifications and Papers by Robert Stevenson and Sons.

523. Vol.1 Harbours and Rivers, 1828-34.

524. Vol.2 Waterworks, ferries, roads, bridges, 1819-40.

525. Vol.3 Salmonfishings, lighthouses, 1817-50.

526. Vol.4 Railways, canals, 1817-43.

527. Vol.5 Lighthouses, 1847-69.

528. Vol.6 Harbours, rivers, salmonfishery, waterworks, 1845-69.

529. Vol.7 Lighthouses, 1870-85.
530. Vol.8 Harbours, rivers, salmonfisheries, waterworks, 1812, 1848-85.
531. Vol.9 Lighthouses, 1886-94.
532. Vol.10 Harbours, canals, rivers, sewerage, lighthouses, etc, 1838-99.
533. Typescript index to printed reports.
534. Miscellaneous printed reports by the Stevensons, 1836-69.
- 535-9. Reports and papers on railways.
535. 1809-43.
536. 1820-46.
537. 1831-57.
538. 1837-49.
539. Speeches and Publications, 1811-49.
540. Reports and papers on waterworks, roads and canals, 1768-1843.
541. Reports and papers on canals, harbours, and bridges, 1808-16.
- 542-4. Collected reports on harbours.
542. 1794-1835.
543. 1814-45.
544. 1836-50.
545. Reports and papers concerning the harbour of Leith, 1786-1839.
546. Report from the Select Committee on lighthouses, 1834.
547. Report from the Select Committee on lighthouses, with the copy of the 'Bill for vesting lighthouses ... in the Corporation of Trinity House', 1835.
548. Report from the Select Committee on lighthouses, with a report of the Commissioners of Northern Lighthouses, 1836.
549. Report from the Select Committee on lighthouses, 1845.
550. 'Report of the Commissioners appointed to inquire into the condition ... of lights ...', 1861.
551. Reports on lighthouse illuminants, 1885.
552. Miscellaneous printed reports on foreign lighthouses, 1841-2.

- 553-5. Reports by the Commissioners for the Herring Fishery.
553. 1809-30.
554. 1809-32.
555. 1833-50.
- 556-61. Miscellaneous printed reports.
556. 1749, 1814-46.
557. 1768-1810.
558. 1809-31.
559. 1812-31.
560. 1812-31.
561. 1824-6.
562. Acts of parliament relating to civil engineering projects, 1790-1820.
563. Miscellaneous pamphlets on technical engineering and mathematical subjects, 1844-52.
564. Miscellaneous pamphlets, 1810-34.
565. French pamphlets on civil engineering, 1821-32.
566. Loose offprints of articles on various technical matters by members of the Stevenson family, 1872-94.
567. Loose offprints and pamphlets.
568. Index to the pamphlets. Only a small number of those indexed would appear to be in this collection.
569. Traité d'Optique par Lacaille, Paris, 1802.
570. Printed pamphlets relating to the Sir David Brewster controversy on Dioptric Lights, 1859 - with annotations.
571. A Narrative of the Building and a Description of the Construction of the Edystone Lighthouse, by John Smeaton. 2nd edition.

Additional Stevenson plans

Lights – Apparatus etc

572. Revolving dioptric apparatus, 1st order (original of engraving in A Stevenson, Skerryvore, plate XIII).
573. Second order Dioptric Holophotal Revolving apparatus. D & T Stevenson. (Printed).

574. Hyper-radiant Dioptric group flashing apparatus. D & C A Stevenson, 1899.
575. Refraction Protractor.
576. Trial of Holophotal condenser at Portobello, 1856.
577. Design of IInd Order apparatus with additional IIIrd order prisms, 1919. D & C Stevenson.
578. Appareil de feu clair de 2c ordre - Barbier & Turenne, Paris. Solution 1.
579. Appareil de feu clair de 2c ordre - Barbier & Turenne, Paris. Solution 2.
580. Drawing, 1944, (in part reconstruction) showing J N's lighthouse apparatus, 1768-9. 1781, which was the first in the world showing varying light.
581. Japanese Lights. D & T Stevenson.
582. Tinmouth revolving apparatus with eighteen reflectors.
583. Cape Northumberland - sketch of proposed apparatus.
584. Machine for supporting the temporary light to be erected at Spurn Point. (printed).
585. Cumbrae light, 1885. D & T Stevenson.
- 586-8. Toward Lighthouse.
586. Frames for supporting Mirrors, 1882. D & C Stevenson.
- 587-8. Proposed mirrors, ca.1932. (2 sheets).
- 589-91. Marine & Fisheries Department, Canada.
589. Catadioptric Occulting Light (3 copies).
590. Detail of Pair logarithmic Reflectors secured to 4th Order Lens, 1910. (3 copies).
591. Reflector for Catadioptric Occulting Light, 1910. (3 copies).
- 529-3. Australia Lights.
592. Unattended Lightship apparatus & Lantern, 1914. Chance Bros and Co.
593. Proposed unattended lightship, 1915. D & C Stevenson.
- 594-6. Cabo San Diego.
594. Roof of 2nd Order lantern, 1919. D & C Stevenson.
595. Apparatus of 920mm Focal distance, 1919. Chance Brothers & Co.
596. Apparatus of 920mm Focal distance, 1919. Chance Brothers & Co.

- 597. 'Little Ross as executed. T.S.', pencil drawing. T Stevenson.
- 598. Arrangement of 4th order Light & Lantern for Light vessel. Chance Brothers & Co.
- 599. Proposed unattended lightship for China, 1922.
- 600. Bombay Port Trust - Gas Lightship, 1904.
- 601-2. Pintsch's Patent Illuminated Gas Buoy, 1898.
- 603. The new Dioptric Lighthouse on the South Foreland.
- 604. Northern Lights Mechanical Lamp.
- 605. Dioptric Intermittent Light with differential refractors.
- 606. Dioptric Intermittent light, 4th order, 1877. D & T Stevenson.
- 607. 1st order intermittent light with mirrors and prisms.
- 608. Dioptric intermittent light with differential refractors.
- 609. Unnamed diagram.

Beacons

- 610-11. Carr Rock.
 - 610. Elevation and section.
 - 611. Working drawing.
- 612-4. Gantocks.
 - 612. Designs for Beacons proposed to be erected on the rocks of Gantocks & Captain's Bridges, 1828. Robert Stevenson.
 - 613. Design for a Beacon to be erected on the Gantock Rocks, 1829. Robert Stevenson.
 - 614. 9th Course, either Carr Rock or Gantocks.
 - 615. Gemmel's Point – Cumbrae Light Trust. Proposed beacon, 1864.

Electro-Magnetic Light

- 616. Drawing of Magneto Electric machine with Allen engines, 1866. J Coode.
- 617. Engine house, Fuel Store, etc, of General Application, 1866. J Coode.
- 618. Arrangement of Engines, Driving gear, MEL machines and foghorn pump, 1866. J Coode.

- 619. Arrangement of Engines & Driving gear for Electro-magnetic machines.
- 620. Seven inch Electro-magnetic Induction machine for producing electric light, 1866. H Wilde & Co.
- 621. Arrangement of Engines & driving gear for Electro-magnetic Machines. H Wilde & Co.

Experiments in Queen's Park

- 622. Section of ground at Salisbury Crags - vertical divergence.
- 623. Photometrical experiment on Salisbury Crags - vertical divergence of light.
- 624. Light experiment using prisms and a beehive, 1859.
- 625. Diagrams showing the results of observations made at Arthur's Seat on the Northern Lighthouse Flame, 1861.
- 626. Photometrical experiment on Salisbury Crags, 1860.
- 627-8. Framework for observation at different heights on the relative velocities of the wind (2 diagrams), 1879.

Experiments

- 629. Experiments with Floating buoy in Leith Harbour, 1810.
- 630. Photometric experiment.
- 631. Photometer.
- 632. McArthur's Head apparatus. Examination of vertical divergence and adjustment of the various observations, 1861.
- 633. Observations on the vertical divergence of a first order lens.
- 634. Observations on the vertical divergence of a central belt of a first order fixed light apparatus, 1861.
- 635. Observations on the power of a 4th order fixed light central belt, 1861.
- 636. Thomas Stevenson's Holophotal experimental drawing.

Fog Signals

- 637. Guernsey Fog Signal and Light, 1908. D & C Stevenson.
- 638-40. Pladda Fog Signal. Detailed drawings of hot air engines. (3 diagrams).

641. St Abbs Head Lighthouse - Explanatory diagram of Syren Fog Signal apparatus, 1868. D & T Stevenson.
642. Observations made at Turnbery.

River Ouse

643. Diagrams showing the influence of the tides on the occurrence of flooding in the River Ouse, 1918. D & C Stevenson.
644. Diagram showing low waters at Lynn in greatest floods.

Miscellaneous

645. Bound Skerry - detached pieces.
646. Diagram showing the number of vessels observed passing lighthouses during the day for each year, 1850-6.
647. Plan and section of ship for T Morton's slip.
648. Engraving of steam-boat 'Swallow', ?on Lake Erie.
649. Plan of Cabins of steam ship 'Countess of Gallway', ?1837.
650. Coloured print of 'The Loss of the Aberdeen Steam Navigation Company's Steam Ship Duke of Sutherland at the entrance of the Harbour of Aberdeen, April 1st, 1853'.
651. Notice of Sailing, Albany, Troy and New York.
652. Print of 'Shipwreck loss of the Comet Steam vessel near Greenock, on Friday 21st Oct 1825'.

Photographs

653. Two photographs of installation at Cumbrae; one photograph of American steam ship.
654. Album containing photographs of Lighthouses in Japan, ?1890, with a sketch map showing the position of Japan Lights, 1871.

Additional Papers

655. Correspondence to Robert Stevenson

Lord Elgin to Robert Stevenson regarding a visit, 1813.

John Playfair to Robert Stevenson relating to Royal Society of Edinburgh, 1815

James Watt to Robert Stevenson regarding drawings, 1817

John Fleming, Flisk, to Robert Stevenson, 23rd Feb 1818

John Barclay to Robert Stevenson, 5 June 1819

William Burn to Robert Stevenson 4 April 1821

Letter of John Murray to Robert Stevenson regarding the Bell Rock book, 1824

Letter of John Murray to Robert Stevenson regarding the Bell Rock book, 1824

John Abercrombie to Robert Stevenson, 1824

Letter of Archibald Constable to Robert Stevenson re Bell Rock publication, 1824

Josias Jessop, Butterley Hall, Derby, to Robert Stevenson regarding early railways, 1824

Robert Cadell to Robert Stevenson regarding Bell Rock bookplates, 1824

Sir John Leslie to Robert Stevenson relating to RS's visit to France, 1824

Letter from ?Peter Soutar to Robert Stevenson regarding journey by
lighthouse
Yacht to Bordeaux and problems with Customs over the delivery of oil, 1825.

Letter from Earl of Kellie to Robert Stevenson regarding the rent of property
At Fifeness, 1827.

Letter from W Gibb to Robert Stevenson offering the use of a boat to test the
Light from Girdleness Lighthouse, 1829.

Letter of William Brydon to Robert Stevenson regarding joinery work at Tarbat
Ness lighthouse, 1829.

James Smith, Deanston, to Robert Stevenson relating to engineering
education of David S., 1830

James Smith, Deanston, to Robert Stevenson regarding a railway project,
1830

Letter of William Vernon Harcourt to Robert Stevenson, requesting Stevenson To survey and report on the coastal defenses, 1831.

Letter of R Christison to Robert Stevenson asking for wind measurements taken at Inch Keith to be used in an account of the progress of cholera in Edinburgh, 1832

Thomas Stewart Traill to Robert Stevenson 17 May 1832

Duke of Buccleuch to Robert Stevenson arranging to meet, 1834

Letter from John Peck to ?Robert Stevenson, 1834.

Lord Palmerston to Robert Stevenson confirming meeting, 1835

Marquess of Bute to Lewis D B Gordon, 1835

Letter of John Anderson to Robert Stevenson regarding the prices of stationery items, 1835.

Letter to Robert Stevenson from Alexander McNeil requesting an estimate for a lighthouse at Port Patrick, using Sir John Rennie's plan and specifications, 1835.

James Smith, Deanston, to Robert Stevenson regarding a work placement for Thomas S., 1836

Francis Jeffrey, Lord Jeffrey to Robert Stevenson regarding David S's visit to America, 1837

Lord Glenelg to Robert Stevenson, 18 May 1837

2 letters to Robert Stevenson regarding his evidence to the House of Lords committee re Birkenhead Docks Bill, 1844.

Robert Jameson to Robert Stevenson, n.d.

656. Correspondence to David Stevenson

Capt Basil Hall to David Stevenson regarding trip to America, 1830

Alexander Dallas Bache, general letter of introduction for Stevenson, visiting United States, 1837

Capt Basil Hall to David Stevenson regarding book on engineering in America, 1837

Charles Adam to Robert Bald regarding American trip, 1837

James Smith, Deanston, to David Stevenson regarding book on engineering in America, 1838

Martin van Buren to David Stevenson, 1838

Letter to David Stevenson regarding his evidence to the House of Lords committee re Birkenhead Docks Bill, 1844.

J R Hope Scott to David Stevenson, 1857

Letter of Robert Bruce Bell to David Stevenson regarding the demolition of Robert Stevenson's Hutcheson Bridge, 1864.

657. **Letters to other members of the family**

Letter from T C Watson to Thomas Stevenson, relating to W Bush's proposals to place a beacon on Goodwin sands, 1843.

"Gordon Controversy"; Copies of letters passing between Alan Stevenson, Thomas Aston, Alan Cunningham and Alexander Gordon regarding the invention of the Dioptric apparatus, 1849.

Letter from Archibald Geikie to Charles A Stevenson relating to the nature of Skerryvore Rock and listing papers on Scottish earthquakes, 1881.

J B Balfour, Lord Advocate to David A Stevenson, 1886.

658. **Partnership contracts and indentures**

Partnership contacts

Robert, Alan and David Stevenson, 1838

Robert, Alan and David Stevenson, 1843

Robert, Alan, David and Thomas Stevenson, 1846

Alan, David and Thomas Stevenson, 1849

Indentures

Robert and Alan Stevenson, 1823

Robert and David Stevenson, 1834

Messrs Stevenson and Sons and Thomas Stevenson, 1836

658a. **Citation**

Copy of presentation citation to Robert Stevenson upon his retrial as Engineer to the Commissioners of Northern Lighthouses, June 1843 (original with family)

659-662. Reports, specifications etc

659. Reports and costings.

Report of the trial of four samples of sperm oil by Capt Taylor, 1830.

Report of Robert Stevenson to the Trustees for the Herring Fisheries, 1832.

Report of David Stevenson on Lighthouses in Shetland, , 1854

Report on temporary light on Unst, [David Stevenson]
1854

Report on temporary light on Muckle Flugga, D and T Stevenson 1854

Costs of harbour lights, Peterhead and Pultneytown, n.d.

Comparative costs of French and Scottish lighthouse towers, n.d

Costs of lenses at several Scottish lighthouses, n.d

660. Draft specifications of and vessels for Skerryvore Lighthouse, 1838, 1839, 1846

Contracts for vessels for Skerryvore Lighthouse, 1838, 1840

Report to the Skerryvore Committee, 1844

Note regarding Hynish harbour, 1843

Letter regarding light on Skerryvore, 1835

661. **New Zealand Lights**

Letters and specifications regarding Auckland Harbour lights, 1869

662. **Newfoundland Lights**

Specification of machinery and lease, Brunet Island, 1864

Specification of Cast Iron lantern, 1872

Specification of work to be done in making machine fitting Holophotic,
Baccalieu Island, 1858

Specification of a Lantern for Long Point, 1875

Specification of Cast Iron lantern of Bay Roberts Point lighthouse, 1883

Specification of lamps for Sandy Point Lighthouse, 1882

Lantern tracing, ex Bell Rock? For Newfoundland Lights, 1841

663-5. **Drawings**

663. 8 pencil sketches by Robert Stevenson
Lantern on the Pierhead at Mary Port, 31 July 1801
Lighthouse Tower on the Pier-head at Whitehaven, August 1801
St Bees head Light from Coal, 1st August 1801
Lighthouse upon the Pierhead of Douglas in Isle of Man, n.d.
Lighthouse at Ramsey Harbour, Isle of Man, 3rd August 1801
Distinguishing Light upon St Ann's Point, Milford Haven
Carr Beacon
South Rock Beacon, 1812.
664. *Plan for a Smooth and Durable City Road* with a colour drawing of a section
by Robert Stevenson, n.d.

665. Architectural drawings by Alan, David, Thomas Stevenson

665a. Baxters Place

Plans relating to properties at Baxters Place

Plan and Sections of the Back Grounds belonging to nos.1, 2, & 3 Baxters
Place, 1828

Plan of Buildings for the back ground of Mr Stevenson's property Greenside
Lane, R and R Dickson, architects, 1830 (with estimate)

Elevation of the Buildings for the back ground of Mr Stevenson's property
toward Greenside Lane, R and R Dickson, architects, 1830

Plan Showing the practicability of building shops in front of no.1, 2, 3 Baxters
Place, 1835

Elevation showing the effect of building shops in front of nos.1, 2, 3 Baxters
Place, 1835

Plan of houses proposed to be built at the southern extremity of the Back
Mound of No.3 Baxters Place. Drawn by Alan Brebner, 1843

Plan of Drains on Property: No 1:2 Baxter Place, 1848

Specification of houses proposed to be built at the foot or southern extremity
of the Back Ground at no.3 Baxters Place, Alan Brebner, 1843

Printed items

666-670. Printed material

666. a. Chart of the Calf Sound, Shewing the Navigable track between the alf and Isle of Man, surveyed in 1835 by David Stevenson (printed).
- b. Article on Chicken Rock lighthouse, ?1870
- c. Plan of the new approach to the City of Edinburgh by a Bridge over Calton Street by Robert Stevenson, 1814 (printed).
- d. Printed leaflet Lighthouse on the Clyde with plans of ground floor, side and front elevation and a description .
- e. Printed pamphlet about dredging Dutch Canals, 1811.
- f. *An Account of the Signals made Use of at Bambrough Castle...*, 1771
- g, Plan of the Water of Connan from the Crives of Devil..., Alexr Sangster, 1763
- h. Plan of the Cruive Dike upon Doavern, Wm Urquhart, 1802
667. Specifications and plans relating to the improvement of the Port of Leith by C Landale, 1824 (printed).
668. Papers relating to the self 'Regulating Tide Guage' erected at Sunderland Harbour, 1849 (5 items) (printed).
669. Print of the elevation of the Ribble Lighthouse.
670. Volume entitled 'Manchester Ship Canal Session 1884' containing plans of rivers referred to in Mr T Stevenson's evidence (Manchester Canal, Session 1884).

ADDITIONAL MAPS AND PLANS

671. Aberdeen Harbour

Plan of the Harbour and Basin of Aberdeen, with sections shewing the course of the River Dee and Spill Water Channel, Robert Stevenson, 1819.

672-3 Arbroath Abbey

Sketch and Drawings to accompany report – Robert Stevenson (1804) (2 drawings)

674-5 Barra Head

Plan of Boulders at Barra Head (2 items).

676-678 Bell Rock Lighthouse

676.Elevation of Bell Rock Lighthouse.

677.Section of the Bell Rock Lighthouse.

678.Engraving of Turner's Bell Rock by William Millar, 1864 (copy)

679-80 Belton Waulk Mill

679.Plan and Section of Belton Waulk Mill shewing the Mill Lead and Back Fall in their present state, 1814

680.Plan and Section of Belton Waulk Mill shewing the Mill Lead and Back Fall As proposed to be altered, 1814

681 Dundee Harbour

Plan of the Harbour of Dundee shewing the proposed Boat Harbour at the Craig Pier, Robert Stevenson, 1818

682-3 Edinburgh

682.Sketch showing the present and proposed roads from Stockbridge to Edinburgh, 1819

683.Sketch showing the improvements to the Stockbridge Road.

684-687 Forth and Clyde Canal

4 Plans of a proposed vessel for the Forth and Clyde canal, 1817

688-690 Hutcheson Bridge, Glasgow

688.Elevation of Hutcheson Bridge, Glasgow, designed by Robert Stevenson Esq., in 1832

689.Longitudinal Section shewing the progress of the works in 1832

690.Section and Section of Hutcheson Bridge, Presentation copy 1852

691. Kinnaird Head

691.Kinnaird Head – colour photocopy of original drawing (original at NMS)

692-3 Melville Castle

692. Sketches for a Bridge of Maleable Iron over the River Esk in the Park of Melville Castle, Robert Stevenson, 1822

693. Elevation and Plan of the Iron Work & Masonry of the Proposed Bridge in the Park of Melville Castle, 1822

694 Midlothian Coalfield to Rivers Tweed and Leeder proposed railway

Reduced Plan of part of the shires of Edinburgh, Haddington, Berwick, Roxburgh & Selkirk shewing proposed lines of Railway from the Coalfield of Midlothian to the Rivers Tweed & Leeder, Robert Stevenson, 1821.

695 Point of Ayre Lighthouse

Elevation of Point of Ayre Lighthouse.

696-7 Stonehaven Harbour

696 Plan of a Harbour for Stonehaven in the County of Kincardine calculated to admit Ships of War, Robert Stevenson, 1812

697 Plan for enlarging the Harbour of Stonehaven, Robert Stevenson, 1812