

GB 0154 ARNOLD'S

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Maps and plans formerly belonging to General Sir Wilbraham Oates Lennox, presented by Mrs. J.M. Wood, Buriton Farm, Treyford, September 1972.

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General Lennox (1830-1897), son of Lord George Lennox and grandson of the 4th Duke of Richmond, had a distinguished career as a military engineer. The maps and plans in this collection represent a small residue of the material he must have accumulated during his work and were found in a Chichester junkshop a few years ago.

The different groups of maps reflect something of his activities. From 1854 to 1856 he served in the Crimea, winning a V.C. at Inkerman. Then came the Indian Mutiny, and conspicuous service at Lucknow. After eleven years in England, mainly as an instructor in field fortifications, he was officially attached to the Prussian Army in 1870, with which he was present at the sieges of Mezières, Belfort and both sieges of Paris, during the Franco-Prussian War. His next post abroad was from 1876 to 1878 when he served as military attaché at Constantinople; and it seems to be from this period that the majority of maps in this collection come. Apart from a miscellaneous group covering the Balkans and the Eastern Mediterranean, there is a fine series of Admiralty Charts for the area and an interesting group of maps accumulated while he was attached to the Turkish Armies during the Russo-Turkish War of 1877-1878. His final tour abroad was in Egypt, during the Nile Campaign of 1884-1885, and he spent the remainder of his career in England, finally retiring as Director General of Military Education at the War Office in 1895. As part of his instructional work he was responsible for the production of books on the techniques of fortification and a group of papers connected with this also form part of the collection.

The residue is made up of relatively miscellaneous maps, usually with a military bias and including groups for France and Germany.

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The Crimea

- 15,471 Relief map of Crimea by E. Ravenstein, n.d.  
15,472 M.S.S. sketch map of Diamond Wharf [no location] by Major Hall, 1855.  
15,473 Road from Constantinople to Adrianople, by Bt. Major Gordon, 1856.

- 15,474 Road from Adrianople to Sophia, by Major Gordon, 1856. (12 copies)
- 15,475 Map of the neighbourhood of Gallipoli, 1854. Surveyed by the French Army and reprinted by the Ordnance Survey. (2 sheets; 4 copies of each)

India

- 15,476 'Plan of the Entrenched Position of the British Garrison at Lucknow 1857.'  $16\frac{1}{2} \times 18$ .
- 15,477 'Plan B. Shewing on a small scale Relative Positions of Chuttur Munzil Palace & Works, Bailey-Guard, Hern-Khana, Stables and Engine House. At Lucknow. 1857.'  $16\frac{1}{2} \times 26\frac{1}{2}$ .
- 15,478 'Plan B(2). Shewing on a small scale the line by which the Garrison at Lucknow were withdrawn on the night of the 22nd. Nov. and that portion of the city in the enemy's hands on that date together with the position of the guns and mortars bombarding the Kaisir Bagh on the 21st. and 22nd. Nov. 1857.'  $17 \times 27\frac{1}{2}$ .
- 15,479 'Plan of Dehli... 1857.'  $23\frac{1}{2} \times 28$ . (2 copies)

Franco-Prussian War

- 15,480 Caractacuss's New Franco-Prussian War Map, 1870.
- 15,481 Fortifications of Paris, published by Johnston, 1870.
- 15,482 Wyld's Strategic Plan of the Battlefields, 1870.
- 15,483 Metz and the Department of the Moselle, n.d. Lithograph by J. Verronnais.
- 15,484 French Military Map of Paris and neighbourhood at beginning of the War, with M.S. additions showing the attack, based on Belgian Military reports, 1871.
- 15,485 Croquis von Péronne, showing fortifications, n.d.
- 15,486 Sketch of Peronne, [English version of the above] printed by the War Office, n.d. (10 copies)
- 15,487 Umgegend von Montmedy, 1871, with M.S. additions showing siegeworks on one copy. (2 copies)
- 15,488 Environs of Montmedy, [English version of the above] printed by the Ordnance Survey, 1872. (7 copies)
- 15,489 Umgegend von Lonwy, 1871, with M.S. additions.
- 15,490 Environs of Longwy, [English version of the above] printed by the War Office. (10 copies)
- 15,491 Umgegend von Mezières, 1870, with M.S. additions on one copy. (2 copies)

- 15,492 Map of Mezières, n.d. English reprint as specimen of French topographical detailing. (7 copies)
- 15,493 Croquis von Rocroy, with table of reference listing military installations, and MS. additions, n.d.-
- 15,494 Sketch of Rocroy, [English version of the above] printed by War Office, n.d. (6 copies)
- 15,495 Umgegend von Givet, with MS. additions, 1871.
- 15,496 Croquis von Givet, with MS. additions, 1871.
- 15,497 Map of Metz showing fortifications, lithographed by Gangel et P. Didion, n.d.
- 15,498 Map of Metz, by Hedin, 1870.
- 15,499 Map of Metz and neighbourhood, by Hedin, n.d.
- 15,500 Croquis des Environs de Metz et de Thionville, by E. Mussot, 1870.
- 15,501 Theatre de la Guerre [Later, coloured, version of the above] with MS. additions, n.d.
- 15,502 Umgegend von Thionville, with MS. additions, n.d.
- 15,503, MS. plans of Belfort, showing lines of attack, n.d. (2 versions,  
15,504 differing slightly)
- 15,505 Untitled coloured manuscript plan of the fortifications of Belfort, with sections through the defences. 'Drawn by Joseph McConachie ... R.E.', 1871.
- 15,506 Incomplete copy of above. 'Drawn by Colin Olivey'.
- 15,507 MS. plan of Schlettstadt, showing lines of bombardment, n.d.
- 15,508 MS. plan of Schlettstadt showing defences, by J. McConachie, 1871.
- 15,509 Lithograph map of Neu Breisach, with table of reference and MS. additions, n.d.
- 15,510 Plan of Strasbourg after the bombardment showing areas destroyed, by M. Bourrit, n.d.
- 15,511 Plan of Strasbourg and neighbourhood, with MS. additions showing siegeworks, n.d.
- 15,512 MS. plan of Toul showing siegeworks, by A. McConachie, 1871.

The Balkans and the Eastern Mediterranean

- 15,513 Hertzegovina and Montenegro, n.d. Printed by Lemerrier et Cie, Paris.
- 15,514 Montenegro, n.d. Lithographed by F. Koke, Vienna.

- 15,515 Constantinople and neighbourhood, n.d.
- 15,516 Roumania, showing telegraph and post communications, 1873. Lithographed by Solcu, Sander and Teclu, Bucharest. (2 copies)
- 15,517 Wallachia, 1867. Published for the K.K. militarisch geographische Institut, Austria. (Set of 6 sheets)
- 15,518 Plan of Probable Concentration and Lines of Operation in an Occupation of Asia Minor by Russia, n.d. Lithographed by the Quarter Master General's Department.
- 15,519 Telegraph Map of the Ottoman Empire, 1876. Printed in Turkey. One copy has extensive manuscript additions showing Turkish recruiting arrangements. (2 copies)
- 15,520 Montenegro, from Kiepert's Map of Turkey, Reproduced in 16 sheets by Ordnance Survey, 1876. (3 sets, one with borders coloured)
- 15,521 The Eastern Portion of Turkish Armenia and Trans Caucasia, by Cdl. R. Home, 1877. (2 sheets with 1 duplicate)
- 15,522 Bosnia, Hertzegovina, Serbia and Montenegro, 1876. Published by the Austro-Hungarian Geographischen Institute. (8 sheets from a set of 12)
- 15,523 Railway map of Austria Hungary, 1876. Published by the Inspector of Railways.
- 15,524 Montenegro, 1862. From Zeitschrift fur allg. Erdkunde. N.F. Bd XIII.
- 15,525 Hertzegovina, 1861. From Zeitschrift fur allgem. Erdkunde. N.F. Bd XI.
- 15,526 The Middle East, 1874. From H. Kiepert. - Neuen Hand Atlas.
- 15,527 3 sheets of plans from Moltke's Campagnes des Russes dans la Turquie d'Europe en 1828 and 1829, translated by A. Demmler, 1854.
- 15,528 Map of the neighbourhood of Constantinople 1829, published by Piquet, of Paris and reprinted by the Ordnance Survey, 1876. (3 copies)
- 15,529 Turkey in Europe, n.d. From Kiepert's Map, republished by R. Engineers.

Admiralty Charts of the Eastern Mediterranean and the Black Sea  
 [Date given is date of survey]

- 15,530 224 Sea of Marmara, 1845-72. (2 copies)
- 15,531 236 Karamania, Sheet 1, 1811.
- 15,532 237 " " 2, 1812.
- 15,533 238 " " 3, 1812.
- 15,534 239 " " 4, 1812.
- 15,535 240 " " 5, 1812.

- 15,536 1198 Bosphorus, 1853-54.
- 15,537 1523 Gulf of Smyrna, 1836-37.
- 15,538 1524 Psara, 1834.
- 15,539 1527 Scala Nuova, or Kausodessy, 1836-63.
- 15,540 1530 Strait of Samos, or Samos-Boghaz, 1835.
- 15,541 1542 Syra Island, 1835.
- 15,542 1546 Gulf of Mandelyah, 1837.
- 15,543 1555 Strait of Samos to Gulf of Mandelyah, 1837.
- 15,544 1556 Gulf of Volo, 1830-62.
- 15,545 1574 Islands of Patmos, Archi and Lipso, 1837.
- 15,546 1597 Petali Gulf and E. Euripo Channel, 1845-46.
- 15,547 1604 Gulfs of Kos, Doris and Symi, 1839.
- 15,548 1608 Entrance of Dardanelles with Tenedos and the Plains of Troy, 1840.
- 15,549 1645 Island of Chios and adjacent coast, 1835.
- 15,550 1656 The Archipelago, Sheet 6, 1837-44.
- 15,551 1659 Lemnos, 1835.
- 15,552 1665 Island of Mityleni and Gulfs of Adramyti and Sandarli, 1834-63.
- 15,553 1666 Lero and Kalimno, 1837.
- 15,554 1667 Rhodes Island, 1841. (2 copies)
- 15,555 1679 Harbours and anchorages in the Archipeligo, n.d.
- 15,556 1815 Islands of Tinos, Mykoni, Rhenea and Delos, 1843.
- 15,557 1817 Islands of Therma, Jura, Serpho and Siphano, 1844.
- 15,558 1820 Island of Andros, 1844.
- 15,559 1837 Islands of Paros and Naxos, 1842.
- 15,560 1866 Islands of Amorgo and Denusa, 1845.
- 15,561 1867 Island of Nikaria, 1835.
- 15,562 1886 Coast from Karaghatch to Makry, 1840-42.
- 15,563 1888 Island of Stampalia, 1861.
- 15,564 1889 The Levitha Islands, 1838.

- 15,565 1891 Island of Strati, 1835.
- 15,566 1892 Kara-Aghaj Bay, 1833.
- 15,567 1893 Coast from Sigmajik Bay to Gulf of Scala Nuova, 1836.
- 15,568 1898 Islands of Kos, Nisero and Piskopi, 1841-63.
- 15,569 1902 Gulf of Tchandarli, 1834-60.
- 15,570 2043 Island of Santorin, 1848.
- 15,571 2048 Island of Skyro, 1848.
- 15,572 2051 Islands of Milo, Anti-Milo, Kimolo and Polimo, 1849.
- 15,573 2070 Saloniki Bay, 1850.
- 15,574 2072 Skopelo Group, 1847.
- 15,575 2074 Cyprus, 1849. (2 copies)
- 15,576 2214 The Euxine or Black Sea, 1836.
- 15,577 2230 Black Sea, Sheet 1, Bosphorus to Cape Kaliakra, 1835.
- 15,578 2231 " " 2, Cape Kaliakra to Odessa, 1834.
- 15,579 2232 " " 3, Odessa to Sebastopol, 1834.
- 15,580 2233 " " 4, Sebastopol to the Kertch Strait, 1834.
- 15,581 2234 " " 5, Sea Azov, 1834-55.
- 15,582 2235 " " 6, Fort Amakria to Kertch Strait, 1834.
- 15,583 2236 " " 7, Cape Yasoun to Fort Amakria, 1834.
- 15,584 2237 " " 8, Kerenpeh to Cape Yassoun, 1834.
- 15,585 2238 " " 9, Bosphorus to Kerenpeh, 1834.
- 15,586 2399 Black Sea - Gulf of Pyrgos or Burghaz, 1854.
- 15,587 2417 Gulf of Xeros, 1833-34.
- 15,588 2429 Dardanelles, 1840-72.
- 15,589 2536A Western Part of Crete, 1852.
- 15,590 2536B Eastern Part of Crete, 1852.
- 15,591 2573 Egypt - Tamietta to Elarish, 1856.
- 15,592 2632 Coast of Syria, Sheet 1, Gulf of Iskanderun to Markhab, 1858.
- 15,593 2633 " " " 2, Markhab to Ras-en-Nakura, 1860.
- 15,594 2634 " " " 3, Ras-en-Nakura to Elarish, 1862.

- 15,595 2753 Islands of Polykandro, Sikino and Nio, 1847-48.  
 15,596 2824 Islands of Scarpanto and Casso, 1850-59.  
 15,597 2836A) The Archipelago, 1832-63.  
 2836B)

Russo-Turkish War, 1877-1878

- 15,598 Lithograph of the area around the railway line from Tchataldya to Hademkeui near Constantinople, n.d.  
 [with MS. additions on one copy]. (7 copies)  
 15,599 Perspective view of European and Asiatic Turkey, Russia, Austria and Persia showing probable points of attack, by A. Conanen, 1877.  
 15,600 Lithographed sketch of new fortifications at Varna, by Capt. G.R. Grover, 1877. (2 copies)  
 15,601 Railway, Telegraph and Postal map of Wallachia, Bulgaria and Turkey in Europe, by the Intelligence Branch of the Q.M.G's department, 1877.  
 15,602 Map of the Danube principalities, Wallachia, Bulgaria and Roumelia, n.d. Printed by Lemercier et Cie, Paris.  
 15,603 Map of the Danube Principalities by the Intelligence Branch of the Q.M.G's department, 1877.  
 15,604 Eye Sketch of the Pravadi Valley, near Varna, Bulgaria, by the Intelligence Branch of the Q.M.G's department, 1877.  
 15,605 Rough sketch of Shumla, near Varna, Bulgaria, by the Intelligence Branch of the Q.M.G's department, 1877.  
 15,606 Map of the environs of Rustchuk, near Bucharest, by Capt. H. Ardagh, 1877. (2 copies)  
 15,607 Sketch of the country between Sarnasuflar and Rasgrad, near Rustchuk, by the Intelligence Branch of the Q.M.G's department, 1877.

Egypt

- 15,608 Lower Egypt, 1882. Lithographed for the Royal Engineers' Institute.  
 15,609 Untitled map of Egypt and the Eastern Mediterranean, n.d. (6 copies)

Fortification Atlas for the use of the Military Academy and also for self instruction ... by Reinhold Wagner (Capt. in Prussian Engineers)

Plates I-XIII, Field Fortifications; Plates XIV-XX, Permanent Fortifications; Plate XXI, Semi-permanent Fortifications; Plates XXII-XXV, Siege Warfare.

- 15,610 German edition, published in Berlin, 1872.  
 15,611 German edition, as 15610 but Plates XIV and XXV have a different imprint and an English translation of the German has been added in manuscript in red ink.



- 15,612 English edition, plates dated 1871-2 and 1877, bound. (3 copies, 1 unbound)
- 15,613 'Sketch of a Fortress on the Bastion system to shew the names of the different parts'. 1862. 10 x 13½.
- 15,614 'Sketch of a Fort on the Caponniere system to shew the names of the different parts'. 1862. 10 x 13½.
- 15,615 'Horn-Werk [Horn-Work]'. With manuscript note 'Practice with the 21 centimetre Rifled Mortar at 3700 Schritt [paces] (2775 Metres) at Silberberg in Silesia. N.B. On the second day there was a very thick fog and the work could not be seen, but the practice was even better than on the first day'. 1871. 16 x 13.
- 15,616 'Fort Issy'. Ink and colour wash drawing. n.d. 16½ x 20.
- 15,617 Six drawings showing plans and sections of trenches, breastworks, huts and ramparts. One is labelled 'Vitry'.

#### France

- 15,618 Map of Sedan North from Atlas des Ardennes, f. 15, 1839.
- 15,619 Map of Sedan South from Atlas des Ardennes, f. 14, 1845.
- 15,620 Cherbourg showing sea and land fortifications, by James Wyld, 1858.
- 15,621 Cherbourg, showing fortifications, by E.J. Powell, pre 1858.
- 15,622 Strasbourg and neighbourhood, 1864. Lithographed by Bergier Levrault et fils.
- 15,623 Lithographs of the fortifications of Meziers, 1859. [One contains MS. annotations perhaps referring to the 1870 siege]. (2 plans)
- 15,624 The Engagement at Montebello, by Col. H. James, 1859.

#### Germany

- 15,625 Military map of Germany by Anton Klein, 1822-46. (8 sheets of 25)
- 15,626 Telegraph and Railway map of North Germany, by W. Liebenowschen, 1868.
- 15,627 Landwehr - Bezirks - Eintheilung des Norddeutschen Bundes, by Alt, 1868. [Showing military distribution in N. Germany]

#### Miscellaneous

- 15,628 Military Sketch of Zululand by James Wyld, 1879.
- 15,629 Jamaica, by John Arrowsmith, 1864.
- 15,630 Luxembourg, Town and Fortress, by J.B. Liesch, 1862.
- 15,631 Lerida, Spain, 19th cent. Lithograph.

- 15,632 India and Burma, 1875. From H. Keepert-Neuer Handatlas.
- 15,633 Bacon's map of Denmark, Sleswig and Holstein, 1864, with notes on the Schleswig-Holstein Question.
- 15,634 Plan of the Siege of Tortosa, Spain, 1810. Reprinted by Royal Engineers.
- 15,635 Plan of the Siege of Saragossa, Spain, 1809. Reprinted by Royal Engineers.