

Science Museum Library and Archives  
Science Museum at Wroughton  
Hackpen Lane  
Wroughton  
Swindon  
SN4 9NS

Telephone: 01793 846222  
Email: [smlwroughton@sciencemuseum.ac.uk](mailto:smlwroughton@sciencemuseum.ac.uk)

## **CRO**

Papers re the life and work of R. E. B. Crompton in electrical engineering and road transport, and including material relating to Crompton & Co.Ltd. and Crompton Parkinson Ltd.

## CRO

### Contents

- A Correspondence and papers: Historic Collection - letters
- B Books, offprints, diaries etc.
- C Product catalogues, brochures etc of Crompton & Co Ltd
- D Press cuttings etc [re Crompton, the Works, the equipment]
- L Patents
- P Photographs
- S Specifications [of product leaflets, brochures, illustrations etc]
  - 1 Lighting
  - 2 Convertors [wanting]
  - 3 Ceiling fans
  - 4 Instruments
  - 5 Plant
  - 6 Searchlights
  - 7 Transformers
  - 8 Pulls from printing blocks [wanting]
  - 9 Switch gear
- 1 Product catalogues, brochures etc of Crompton & Co/Crompton Parkinson Ltd
- 2 Miscellaneous product brochures, leaflets etc of Crompton Parkinson Ltd
- 3 Product catalogues, brochures, leaflets etc of other companies
- 4 Periodicals, offprints, papers, press cuttings, lectures etc
- 5 REBC - personal, family, colleagues
- 6 Miscellaneous
- 7 Crompton & Co Ltd/Crompton Parkinson Ltd - historical

8 Photographs

9 Indexes

Appendix – see bound copy.

## A - Correspondence and papers

Historic Collection - letters [of items 1-52 only those listed below are present; see Appendix pp 102-3 for details of those which are wanting and pp 104-15 for fuller details of A19-A27]

|    |                               |   |
|----|-------------------------------|---|
| 1  | 1953 Sept, 1956<br>Feb        | General   |
| 2  | 1958 Oct-1963<br>Nov          | Rotating plant  |
| 3  | 1950 Jan-1963<br>Apr          | Instruments   |
| 4  | 1913 Apr-1947<br>Oct          | Switch gear [includes Barry Docks, GWR]   |
| 11 | 1951 Feb-1952<br>Nov          | Schedules of Equipment  |
| 15 | 1951, 1955, 1966              | Police Telephone [ <u>with</u> photocopy of papers dated 1889 and signed by REBC]   |
| 17 | 1937, 1951,<br>1956-1957      | Science Museums & Exhibitions [ <u>with</u> of Blue Belle steam car of 1860s] photo   |
| 18 | 1955 Nov-1959<br>Apr          | Articles for <u>Circuit</u> [including papers re Blue Belle as above]   |
| 19 | 1935 Apr-1963<br>Oct          | Letters from Old Cromptonians [items 1- 33 etc]   |
| 20 | 1887-1890                     | Papers of Moulsham Street Works [items 1963 1-24 although only no. 24 present]  |
| 21 | 1877 Nov-1963<br>Aug, 1914-63 | Letters and Records of Col Crompton items 1-79 ( <u>wanting</u> no.2, no no. 30 or 78); <u>with</u> drawings of lamps 1877-80, miscellaneous notes and correspondence including reminiscences of life in the 3rd Battalion 1864-74 by REBC] |
| 22 | 1885 Mar-1955                 | Old letters from customers [items 1-13 ( <u>wanting</u>   |

|    |                    |  |
|----|--------------------|--|
|    | May, 1951-66]      | nos. 5, 8-9, 12); <u>with</u> miscellaneous notes, correspondence etc  |
| 23 | 1899 Jul           | Salesmen's Instructions & Reports of Sales. Conferences [items 1-9 all <u>wanting</u> ; only details of trade discounts present] |
| 24 | 1893 May-1900 Sept | Letters from Branch Offices [items 1-4 ( <u>wanting</u> no.4)]   |
| 25 | 1878-1949          | Instructions and Notes of Equipment [items 1-48 ( <u>wanting</u> nos. 3, 7-28, 39, 41, 47-48)]                                   |
| 26 | 1915               | Odd Blueprints of Equipment [items 1-23 only one dated, ( <u>wanting</u> nos. 1-12, 16-21, 23)]                                  |
| 27 | -                  | Works Instructions [items 1-3 ( <u>wanting</u> nos. 1-2)]  |
| 28 | c1900              | Papers of REBC in South Africa   |
| 29 | 1928-1930          | Papers of Faraday Centenary; correspondence with E[lihu] Thompson etc  |
| 30 | 1924-1965          | Early road traction (steam) & rubber tyres (R W Thompson) [including extracts from works of 1873 and 1891]                       |
| 38 | 1958-1959          | Papers re lamp post from Plymouth  |
| 45 | 1960-1962          | Morland House - correspondence [re recovery of machinery]  |
| 48 | 1961-1962          | Marshall & Sons, Gainsborough – correspondence and [copy] extracts from their old records [1896-99]                              |
| 50 | 1931, 1961-1963    | Correspondence with Ferranti Ltd   |
| 51 | -                  | [Miscellaneous, in file marked] BBC and First World War Tanks  |
| 52 | 1881               | [Copy] Extracts from old Essex Weekly News   |

### **B - Books, offprints, diaries etc**

|   |         |   |
|---|---------|---|
| 1 | 1928    | <u>Reminiscences</u> by Col Crompton [in Library's main book stock at 92 CRO]     |
| 2 | [1940?] | <u>Early Days of the Power Station Industry</u> by R H Parsons [ <u>wanting</u> ] |

|    |                      |   |
|----|----------------------|---|
| 3  | -                    | Index of old machines [notebook]  |
| 4  | 1879 Jul-1885<br>Jan | Press cuttings on first Arc Lamps and Electric Light Installations [album] [ <a href="#">see</a> Appendix pp 116-20 for further details]                                  |
| 5  | 1894-1898            | Press cuttings on Cooking and Heating Apparatus [ <a href="#">wanting</a> ]   |
| 6  | 1904                 | <a href="#">Instructions for erecting and running continuous current dynamos and motors</a> [book published by Crompton & Co Ltd] [ <a href="#">see</a> B173, B181, B191] |
| 7  | 1908-1910            | Arc Works Club Gazette [ <a href="#">wanting</a> ]  |
| 8  | -                    | <a href="#">Dynamo and Motor Attendants and their Machines</a> by Frank Broadbent. 3 editions including 8th (1916) & 10th (1921) [book published by Crompton & Co Ltd]    |
| 9  | 1924                 | <a href="#">Crompton Electrical Plant</a> . British Empire Exhibition, Wembley  |
| 10 | 1921                 | Photographs of Equipment [album]  |
| 11 | 1921                 | [Photographic] "Views in the Works of Crompton & Co Ltd, Chelmsford" [album]  |
| 12 | [c1899-1900]         | Photographs collected by G St F Harden [album]  |
| 13 | 1880-1904            | Past Pupils Register  |
| 14 | 1894-1914            | Pupils Register   |
| 15 | 1892-1894            | Machine number book [Seemingly particulars of Crompton dynamos delivered in Australia 1887-1890] [ms notebook]  |
| 16 | 1895-1896            | Machine calculations Sc 1 [ms notebook]   |
| 17 | 1895-1896            | Machine calculations Scribbler 2 [ms notebook]  |
| 18 | 1904                 | Machine (Alternators). References. [Standard types - alternators and transformers] [ms. notes]  |
| 19 | 1879 Aug             | Offprint: 'On the working of Traction Engines in India' by REBC (and discussion) from <a href="#">Min.Proc.Inst.Mech.Eng.</a> [2 copies]                                  |
| 20 | 1880                 | <a href="#">The Electric Light for Industrial Uses</a> by REBC  |

|    |             |   |
|----|-------------|---|
|    |             | [booklet]   |
| 21 | 1881        | <u>The Progress of Electric Light</u> [wanting]   |
| 22 | 1881        | <u>Die Elektrische Beleuchtung fur Industrielle Zwecke</u> by REBC [booklet; translation of B20]  |
| 23 | 1881        | <u>Artificial Lighting in Relation to Health</u> [wanting]  |
| 24 | [1881-1882] | <u>Crompton's System of Electric Lighting</u> [60 page booklet of articles from periodicals and the press, testimonials] [with photocopy of first article in same from <u>Engineering</u> ] |
| 25 | 1882        | <u>The Birmingham Musical Festival 1882 and The Crompton-Winfield Electric Light. Particulars of the installation</u> [booklet]   |
| 26 | 1883 Apr    | <u>Jnl.Soc.of Telegraph Engineers and of Electricians</u> no.48 vol.XII [includes (pp. 276-8) letter: REBC to the Secretary]  |
| 27 | 1883        | <u>International Fisheries Exhibition. An Illustrated Description of the Electric Light Machinery in the Exhibition</u> [booklet]   |
| 28 | 1884        | <u>Electric Light Engineering</u> [wanting]   |
| 29 | 1888 May    | <u>Jnl.Soc.of Arts</u> no.1852 vol.XXXVI [includes (pp 733-46) paper by REBC (and discussion) on 'Electric Lighting from Central Stations']   |
| 30 | 1891        | Offprint: 'Electric Lighting at Tamworth, New South Wales' by E R Dymond from <u>Min.Proc.Inst.Civ.Eng.</u>   |
| 31 | 1888 Apr    | <u>Jnl.Soc.of Telegraph-Engineers and Electricians</u> no.73 vol.XVII [includes (pp 349-458) paper by REBC (and discussions) on 'Central Station Lighting: Transformers v. Accumulators']   |
| 32 | [1891]      | Offprint: 'On the most economical mode of feeding a low-pressure network' by REBC from <u>Jnl.Proc.Inst.Elec.Eng.</u>   |
| 33 | 1891        | <u>Cooking by Electricity</u> by H J Dowsing [wanting]  |
| 34 | 1891 Apr    | Offprint: 'The cost of the generation and distribution of Electrical Energy' by REBC (and discussion) from <u>Min. Proc.Inst.Civ.Eng.</u> [with copy  |

|    |              |  |
|----|--------------|--|
|    |              | of paper only]   |
| 35 | 1894 Apr-May | Offprint: 'Cost of Electrical Energy' by REBC (and discussion) from <u>Jnl.Proc.Inst.Elec.Eng.</u>   |
| 36 | 1895 Apr     | <u>Jnl.Soc.of Arts</u> no.2214 vol.XLIII [includes (pp 511-20) paper by REBC (and discussion) on 'The Use of Electricity for Cooking and Heating'] |
| 37 | 1895 Jan     | <u>Jnl.Inst.Elec.Eng.</u> no.115 vol. XXIV [includes (pp4-33) inaugural address of the new President, REBC]  |
| 38 | 1899 Nov-Dec | Offprint: 'Influence of cheap fuels on the cost of Electrical Energy' by REBC (and discussion) from <u>Jnl.Proc.Inst.Elec.Eng.</u>                 |
| 39 | [1898 Nov]   | <u>Traffic regulation and the speed of motor vehicles on highways</u> by REBC [booklet of paper read before Automobile Club of G.B.]               |
| 40 | 1900 Dec     | Offprint: 'The Electrical Engineers R.E. in South Africa' by REBC from <u>Jnl.Proc. Inst.Elec.Eng.</u>   |
| 41 | 1901         | Address to the Mechanical Science Section Of the British Association by REBC [ <u>wanting</u> ]  |
| 42 | 1903 Sept    | <u>Problems of Modern Street Traffic</u> by REBC [booklet of paper read before Engineering Section of the British Association] [2 copies]          |
| 43 | 1903         | <u>Lt.Col.Crompton</u> by the Biographical Press Agency [ <u>wanting</u> ]   |
| 44 | 1904         | <u>Mechanical Transport for Military Purposes</u> by REBC [ <u>wanting</u> ]   |
| 45 | 1905 Apr     | Offprint: 'Unsolved problems in Electrical Engineering' by REBC from <u>Min.Proc.Inst. Civ.Eng.</u>  |
| 46 | 1906 Feb     | <u>Some unsolved problems in Motor Engineering</u> by REBC (and discussion) [booklet of paper read before Inst. of Automobile Engineers]           |
| 47 | 1907 Feb     | Offprint: 'Modern Motor-Vehicles' by REBC (and discussion) from <u>Min.Proc.Inst.Civ. Eng.</u>   |
| 48 | 1907 Nov     | Presidential address of REBC on 'The Future of Automobilmism' to the Inst. of Automobile Engineers [booklet]                                       |

- 49                    1908 Oct                    Paper: 'Improvements in self-propelled vehicles so as to reduce road wear' by REBC, vice-chairman of the Roads Improvement Assoc., read before the International Road Congress, Paris
- 50                    1909                         Output and Economy Limits of Dynamo Electric Machinery by J C MacFarlane & H Burge (I.E.E.) [wanting]
- 51                    [c1908]                      Offprint: 'Notes on Screw Gauges' by REBC (and discussion) from [Proc]Inst.of Automobile Engineers
- 52                    1911 Oct-Nov                Offprint: 'Macadam Road Surfaces' by 'Contributor' (and discussion) from The Surveyor and Municipal and County Engineer
- 53                    1911 May                     Col.Crompton's Report on the Berkshire Roads for Berkshire Automobile and Aero Club [booklet]
- 54                    1912 Jul                     Paper: 'The supply and transmission of Power in self-contained road vehicles and locomotives' by J C MacFarlane & H Burge [torn] from Jnl.[Proc]Inst.of Elec.Engineers
- 55                    1903                         Electric Automobiles by H F Joel; discussion by REBC (I.C.E.) [wanting]
- 56                    1912 Apr                     Electricity Supply: Past, Present and Future by A A C Swinton [booklet of paper read before Royal Inst.of G.B.]
- 57                    1913 Dec                     Offprint: 'Mechanical Engineering Aspects Of Road Construction' by REBC (and discussion) from Min.Proc.Inst.Mech.Eng.
- 58                    1913 Apr                     Offprint: 'The Wheel and the Road' by REBC (and discussion) from [Proc]Inst. of Automobile Engineers
- 59                    1913 Apr                     Offprint: 'The Wheel and the Road' by REBC from The Surveyor and Municipal and County Engineer
- 60                    1913 Dec                     Offprint: 'Commercial Motor Road Traffic' by REBC (and discussion) from Proc. Manchester Assoc.of Engineers
- 61                    1914                         A New Departure in Road Engineering by REBC [booklet of paper read before the Scottish Automobile Club]



- 62 [1914] Offprint: 'Transport in Peace and War' by REBC from The Commercial Motor
- 63 1918 May Presidential address of REBC on 'The Future of Heavy Motor Transport' to the Commercial Motor Users Assoc.
- 64 1918 May Offprint: 'Memorandum on the Repairing of The Road Surfaces of the United Kingdom' by R. Drummond & REBC from The Surveyor and Municipal and County Engineer [with leaflet of 1918 Jun from The Road Improvement Assoc. to its members: 'The Repair of Road Surfaces in the U.K.']
- 65 1918 Dec, 1919 Offprint: 'What the War has done for Engineers and the part Engineers have to play in Reconstruction' by REBC, Presidential address to the Junior Inst. of Engineers, from Jnl. of the Junior Inst. of Engineers
- 66 1920 Dec Offprint: 'Roads and Vehicle Maintenance' by REBC (and discussion) from [Proc.]Inst. of Automobile Engineers
- 67 1924 Jun Offprint: 'A forgotten chapter in the history of road transport' by REBC from [Proc.] Inst. of Automobile Engineers [paper read at The Royal Automobile Club to celebrate his 80th birthday] [2 copies] [with proof copy subject to revision]
- 68 1924 Nov Jnl. Royal Soc. of Arts no.3757 vol. LXIII [includes (pp. 4-26) paper 'The Motor Car: its birth, its present, and its future' by REBC (and discussion)]
- 69 1931 Feb The Electric Supply Industry and the Effects of legislation on its development by REBC [booklet of the Rankin lecture given at Liverpool University]
- 70 1942 Oct Jnl. Royal Soc. of Arts no.4625 vol. XC [includes (pp. 727-49) paper 'The Distribution of Electricity' by E Ambrose]
- 71 1933 The Crompton Romance [booklet] [2 copies]
- 72 1945 Colonel R E B Crompton by J H Johnson & W L Randell [booklet] [copy in Library's main book stock at 92 CRO]

|     |                   |   |
|-----|-------------------|---|
| 72a | 1945              | <u>El Coronel Crompton</u> ----- as above ----- [2 copies, in Spanish]  |
| 72b | 1945              | <u>O Coronel Crompton</u> ----- as above ----- [2 copies, in Portuguese]  |
| 72c | 1948              | <u>Colonel Crompton and the Evolution of the Electrical Industry</u> by J H Johnson & W L Randell [booklet, revised edition of B72] [copy in Library's main stock at 92 CRO]  |
| 73  | 1938              | <u>Foundation of the Electrical Industry</u> [book] commemorating the Jubilee of the foundation of Crompton's in 1878 [4 copies]  |
| 74  | 1878-1945         | Patents [of REBC; Crompton & Co Ltd; Crompton Parkinson Ltd et al]  |
| 75  | 1889-1909         | Sports Club programmes [ <u>wanting</u> ]   |
| 76  | 1910-1914         | ----- as above -----  |
| 77  | 1890 Apr          | Ticket to opening ceremony re lighting the Borough of Chelmsford by Electricity by Crompton & Co Ltd  |
| 78  | 1948              | Crompark. Sports gazettes [ <u>wanting</u> ]  |
| 79  | 1930s etc         | Miscellaneous notes etc [includes draft paper: 'Historical notes on the lodestone and terrestrial magnetism' by J H Johnson; historical notes on F & A Parkinson, Guiseley, Leeds, R E Crompton & Co, Chelmsford and Crompton-Parkinson Ltd, Chelmsford; copy patent specifications and extracts; copy paper: 'Field of Electric Battery Vehicles' by J H Johnson; extracts from B73; photocopy of illustrations from <u>Scrapbook of Ninety busy years</u> , a souvenir to celebrate REBC's 90th birthday, 1935; list by J H Johnson of illustrations [1 file] |
| 80  | c1900             | Mounted photographs of electrical equipment etc [11 leaves from album, (covers retained), <u>with</u> list of contents]   |
| 81  | 1899 Dec-1910 Nov | Mounted press cuttings, collected by E J Fox re electrical industry, equipment etc [22 leaves from album, (covers retained), <u>with</u> list of periodicals included]  |

|    |             |  |
|----|-------------|--|
| 82 | 1884 Mar    | <u>Notes on a Train-Lighting Experiment</u> by W H Massey (and discussion) [booklet of Paper read before Soc. of Telegraph Engineers and Electricians] |
| 83 | -           | <u>Instructions for Erecting Electrical Machinery</u> [booklet, published by Crompton & Co Ltd]  |
| 84 | 1910        | <u>The Application of Arc Lamps to Practical Purposes. A Manual for Arc Lamp Users</u> by Justus Eck [book]  |
| 85 | 1911        | <u>Arc Lamps and Accessory Apparatus</u> by J H Johnson [book]   |
| 86 | 1930        | <u>The Electrical Engineers Yearbook</u> edited and compiled by J H Johnson [book]   |
| 87 | 1935        | Souvenir of Banquet [to celebrate REBC's 90 <sup>th</sup> birthday] [ <u>w</u> ith menu and seating plan] [ <u>w</u> anting]                           |
| 88 | 1944 Feb    | Final draft treatment for second film, prepared by Publicity Films Ltd for Crompton-Parkinson Ltd [14 pp ts]   |
| 89 | 1931        | <u>Life and Work of Ferranti [1864-1930]</u> [ <u>w</u> anting]  |
| 90 | 1929        | Inauguration of two 1600KW A/S MG sets at Ilford [ <u>w</u> anting]  |
| 91 | -           | <u>Life and Work of John Hopkinson [1849-1898]</u> [ <u>w</u> anting]  |
| 92 | [1910-1913] | Search Light Data [includes draft specifications, estimates, sketches etc with references to Bulgaria, Chile, Rumania, Greece, Turkey] [1 file]        |
| 93 | 1910-1933   | <u>Regulations of Electricity Supply Companies</u>   |
| 94 | 1930        | Offprint: 'The Development of Electric Lighting' by REBC from <u>Practical Electrical Engineering</u> pp 393-403 [photocopy]                           |
| 95 | 1890        | <u>Short Lectures to Electrical Artisans</u> by J A Fleming [ <u>w</u> anting]   |
| 96 | 1883        | <u>Practical Electrical Units popularly explained</u> by J Swinburne [book]  |
| 97 | [1954]      | <u>The Inventor of the Valve. A biography of Sir</u>   |

|     |                      |  |
|-----|----------------------|--|
|     |                      | <u>Ambrose Fleming</u> by J T MacGregor-Morris [book]<br>[copy in Library's main Book stock at 92 FLE]   |
| 98  | 1899 Jun             | <u>The Fitting of the Cycle to its Rider</u> by REBC & C<br>Crompton [essay, bound in book form]   |
| 99  | 1901 Apr-Dec         | Minutes of Proceedings of the Committee on<br>Electrical Legislation of the Inst. of Electrical<br>Engineers   |
| 100 | 1910 Nov             | Offprint: 'The Development of Road Locomotion in<br>Recent Years' by L A Legros (and discussion) from<br><u>Min. Proc. Inst. Mech. Eng.</u>  |
| 101 | 1913 Dec             | Offprint: 'Mechanical Engineering Aspects Of Road<br>Construction' by REBC (and discussion) from <u>Min.</u><br><u>Proc. Inst. Mech. Eng.</u>  |
| 102 | 1916 Oct             | Presidential address on ['The Development of<br>Road Locomotion in Recent Years'] by L A Legros<br>to the Inst.of Automobile Engineers [booklet]   |
| 103 | 1919 Feb             | <u>Jnl. and Record of Transactions</u> vol. XXIX part 5 of<br>the Junior Inst. of Engineers  |
| 104 | 1919 Dec-1920<br>Jan | Offprint: 'Cutting Power of Lathe Turning Tools:<br>part II' by G W Burley (and discussion) from <u>Min.</u><br><u>Proc. Inst. Mech. Eng.</u>  |
| 105 | 1922 Apr-May         | Offprint: 'An Account of Some Experiments on the<br>Action of Cutting Tools' by Prof. E. G. Coker & K C<br>Chakko (and discussion) from <u>Min. Proc. Inst.</u><br><u>Mech. Eng.</u>                   |
| 106 | [1924]               | Paper: 'Power Applied to Road Transport' by REBC<br>[conference proof only, no. 314, for Section K, the<br>First World Power Conference]   |
| 107 | 1926 Jun             | Offprint: 'The Early Days of M[echanical]<br>T[ransport] and some ideas on its future' by Capt.<br>A Mason from <u>The Royal Engineers Journal</u> ,<br>extracted from <u>Proc. Royal Soc. of Arts</u> |
| 108 | 1929 Jun             | <u>The King's Highway</u> no.6 [special number re 56th<br>annual conference of the Inst. of Municipal and<br>County Engineers] [includes article: 'Co-ordination<br>of Transport Services' by REBC]    |
| 109 | 1931 Apr             | Paper: 'The First Installation of House-to- House<br>Supply in the United Kingdom' by REBC (and<br>discussion) from <u>Trans. Newcomen Soc.</u>  |

|     |                       |   |
|-----|-----------------------|---|
|     |                       | [photocopy]   |
| 110 | 1935                  | Kelvin medal [ <u>wanting</u> ]   |
| 111 | 1870 Dec-1871<br>Dec  | Letter book of REBC   |
| 112 | 1883 Aug- 1888<br>Jan | ---- as above -----   |
| 113 | 1887 Mar- 1893<br>Dec | ---- as above -----   |
| 114 | 1896 Mar-1921<br>Jun  | ---- as above -----   |
| 115 | c1882                 | Notebook of REBC re Burgin machines etc?]   |
| 116 | 1902 Apr-Oct          | Notebook of REBC re White Steam Car   |
| 117 | ---- " -----          | -----as above ----  |
| 118 | 1898-1899             | Notebook [containing] notes re Kensington Power Station and [mounted press cuttings] re cycles and cycling] |
| 119 | 1900                  | Cash book/ledger of REBC  |
| 120 | 1872                  | Diary of REBC   |
| 121 | 1873                  | ----- " -----   |
| 122 | 1874                  | ----- " -----   |
| 123 | 1874                  | ----- " -----   |
| 124 | 1875                  | ----- " -----   |
| 125 | 1876                  | ----- " -----   |
| 126 | 1876                  | ----- " -----   |
| 127 | 1877                  | ----- " -----   |
| 128 | 1898                  | ----- " ----- [ <u>wanting</u> ]  |
| 129 | 1899                  | ----- " -----   |
| 130 | 1914                  | ----- " -----   |

|     |                      |  |
|-----|----------------------|--|
| 131 | 1915                 | ----- " -----  |
| 132 | 1916                 | ----- " -----  |
| 133 | 1917                 | ----- " -----  |
| 134 | 1918                 | ----- " -----  |
| 135 | 1919                 | ----- " -----  |
| 136 | 1920                 | ----- " -----  |
| 137 | 1921                 | ----- " -----  |
| 138 | 1922                 | ----- " -----  |
| 139 | 1924                 | Diary of REBC  |
| 140 | 1925                 | ----- " -----  |
| 141 | 1926                 | ----- " -----  |
| 142 | 1927                 | ----- " -----  |
| 143 | 1928                 | ----- " -----  |
| 144 | 1929                 | ----- " -----  |
| 145 | 1930                 | ----- " -----  |
| 146 | 1931                 | ----- " -----  |
| 147 | 1932                 | ----- " -----  |
| 148 | 1933                 | ----- " -----  |
| 149 | 1853-1858            | Notebook/cash book of REBC   |
| 150 | 1858                 | The Gentleman's Pocket-book Almanack of REBC   |
| 151 | 1864-1865            | Game [sporting] diary of REBC in India   |
| 152 | 1869                 | Notebook of REBC [containing technical notes, notes of expenditure etc]                  |
| 153 | 1877 Aug-1878<br>Dec | Bank [The York City & County] pass book of REBC  |
| 154 | 1877-1879            | Notebook of REBC [containing calculations, sketches etc] [ <u>with</u> list of contents] |

|     |                      |   |
|-----|----------------------|---|
| 155 | 1880 Mar-1881<br>Jan | Cash book of REBC [ <u>with</u> passes to Electric Lighting Exhibition of 1879 May at Royal Albert Hall and International Smoke Abatement Exhibition of 1881 at Royal Horticultural Gardens]  |
| 156 | 1883 Jun-1885<br>Mar | Cash book of REBC   |
| 157 | 1910                 | Pocket diary of REBC  |
| 158 | 1915                 | ----- as above -----  |
| 159 | 1916                 | ----- as above -----  |
| 160 | 1917                 | ----- as above -----  |
| 161 | 1927-1939            | Press cuttings of REBC [ <u>with</u> list of letters received on his 90th birthday] [album]   |
| 162 | 1880 Oct             | Paper: 'Electric Lighting' by J W Swan, read before Lit.& Phil. Soc. of Newcastle   |
| 163 | 1927 Sept            | Programme re International Electrotechnical Commission plenary meeting at Como, Bellagio and Rome [ <u>with</u> address by the president of the Tuscan Committee; list of British delegates attending meetings in Bellagio; letter: secretary of the Italian Electrotechnical Committee re official arrangements] |
| 164 | 189- -               | Old Machine Number Book of Crompton & Co Ltd. Drawing Office [Machine Index]  |
| 165 | 1929 Nov             | <u>Jnl. of the Royal Soc. of Arts</u> no.4018 vol. LXXVIII [includes (pp 28-55) paper: 'Fifty Years of Electrical Science and Industry' by L B Atkinson (and discussion)]   |
| 166 | -                    | <u>The Frank Parkinson Homes</u> [ <u>wanting</u> ]   |
| 167 | -                    | Crompton & Co Ltd [booklet of 25 photographs of electrical equipment]   |
| 168 | -                    | --- as above ---- [booklet of 16 photographs of electrical equipment]   |
| 169 | 1920 Dec             | <u>Transformers and 'Tricity</u> [booklet of The British Transformer Co Ltd, Hayes, Middx]  |

|     |          |   |
|-----|----------|---|
| 170 | -        | <u>Memories of People and Places</u> by S Mavor<br>[wanting]  |
| 171 | -        | <u>My Times and Other Times</u> by J S Hamilton<br>[wanting]  |
| 172 | 1943     | <u>S Z Ferranti</u> by W L Randell [wanting] [1943 and<br>1946 editions in Library's main book stock at 92<br>FER]  |
| 173 | 1902 May | <u>Instructions for Erecting and Running Dynamos &amp;<br/>Motors</u> [book published by Crompton & Co Ltd] [2<br>copies, one <u>with</u> letters re its provenance] [ <u>see</u> B6,<br>B181, B191]                            |
| 174 | -        | <u>Instructions for Erecting Electrical Machinery</u><br>[booklet published by Crompton & Co Ltd,<br>Chelmsford]  |
| 175 | -        | Draft essay: 'Crompton's part in the beginning of<br>the British Electrical Industry' by C H Pike [39 pp<br>ts] [ <u>with</u> list of amendments compiled by the<br>editor W C C Turner, 2 copies; list of 96<br>illustrations] |
| 176 | 1860     | <u>Useful Information for Engineers...</u> by [Sir] William<br>Fairbairn [wanting] [various editions held in<br>Library's main book stock at 520]   |
| 177 | 1899     | <u>Electric Locomotives in Practice</u> by P V Mahon<br>[wanting]   |
| 178 | 1904     | <u>City and South London Railway</u> by P V Mahon<br>[wanting]  |
| 179 | 1930     | Works Handbook [wanting]  |
| 180 | 1936     | ----- as above -----  |
| 181 | 1902     | <u>Instructions for Erecting and Running Dynamos<br/>and Motors</u> [wanting] [ <u>see</u> B6, B173, B191]  |
| 182 | -        | Copies of <u>Old Cromptonians Journal</u> [wanting]   |
| 183 | -        | Hazell Hunter Collection of electric power cables<br>[wanting]  |
| 184 | 1908     | <u>Fundamental Rules &amp; Formulae used in<br/>Mechanical and Electrical Engineering</u> [booklet<br>published by Crompton & Co Ltd for the use_of   |



pupils at the Arc Works]

|     |           |  |
|-----|-----------|--|
| 185 | 1955      | <u>The City &amp; South London Railway</u> by T S Lascelles<br>[wanting] [copy in Library's main book stock at<br>625.42:93]   |
| 186 | 1960 Feb  | Offprint: 'James Swinburne 1858-1958' by F A<br>Freeth from <u>Bioq. Memoirs of Fellows of the Royal<br/>Soc.vol.5</u>   |
| 187 | -         | <u>John Hopkinson 1849-1898</u> [wanting]  |
| 188 | -         | <u>Resistance balance</u> by J A Flann [wanting]   |
| 189 | 1903-1924 | Col. Crompton's press cuttings [album]   |
| 190 | 1886-1935 | ----- as above -----   |
| 191 | 1904 Mar  | <u>Instructions for Erecting and Running continuous<br/>current Dynamos and Motors</u> 2nd edition<br>[published by Crompton & Co Ltd] [2 copies] [see<br>B6, B173 B181] |
| 192 | 1891      | <u>Magnetism &amp; Electricity</u> by J Spencer [book]   |

**C - Product catalogues, brochures etc of Crompton & Co Ltd [unless otherwise stated]**

|    |          |  |
|----|----------|--|
| 1  | 1902 Jul | The Electrical...Engineering Works of Crompton &<br>Co Ltd |
| 2  | 1902 Aug | ----- as above -----                                       |
| 3  | 1907 Jun | The Arc Works, Chelmsford                                  |
| 4  | 1890     | Wiring slide rule  |
| 5  | 1886     | Price list and useful formulae [wanting]                   |
| 6  | 1886 Jan | ----- as above -----                                       |
| 7  | 1890     | ----- as above ----- [wanting]                             |
| 8  | 1894     | ----- as above -----                                       |
| 9  | 1906     | Abbreviated price list [wanting]                           |
| 10 | 1907 Jul | Abbreviated price list of Electrical Machinery             |
| 11 | 1908     | Fundamental rules and formulae used in                     |

|    |           |   |
|----|-----------|---|
|    |           | Mechanical & Electrical Engineering [2 copies]  |
| 12 | 1890      | General catalogue [ <u>wanting</u> ]  |
| 13 | 1894      | Illustrated catalogue and price list of electric lighting machinery   |
| 14 | 1894 Jul  | Abbreviated catalogue [2 copies]  |
| 15 | 1897      | Illustrated catalogue [ <u>wanting</u> ]  |
| 16 | 1884      | Wilson Hartnell, Leeds: Lighting catalogue (Crompton-Burgin machine, Crompton arc lamp, Swan incandescent lamp) |
| 17 | 1893 Mar  | Advance price list of arc lamps etc   |
| 18 | 1894 Apr  | Section IV of catalogue [shewing arc lamps, projectors etc]   |
| 19 | 1897 Jan  | Price list of arc lamps etc [revised section IV]  |
| 20 | 1899 Apr  | The "Chelmsford" enclosed arc lamp  |
| 21 | 1906 Aug  | Arc Lamps. Enclosed type  |
| 22 | 1907 Jan  | --- " --- Open type   |
| 23 | 1910 Apr  | The Crompton-Blondel system of flame arc lighting   |
| 24 | 1913 Sept | Crompton-Blondel open type flame arc lamps  |
| 25 | 1914      | Leaflet re enclosed arc lamps [ <u>wanting</u> ]  |
| 26 | 1892      | Catalogue of Crompton Howell Electrical Storage Company Ltd, Llanelly, S Wales                                  |
| 27 | 1919 Jun  | Standard shunt regulators [2 copies]  |
| 28 | 1919 Oct  | Automatic accumulator switches  |
| 29 | 1920 Jun  | Steelclad switches  |
| 30 | 1920 Aug  | Steelclad switches and fuses  |
| 31 | 1920 Jun  | Steelclad combined switch-fuses   |
| 32 | 1920 Aug  | Direct current starters   |

|    |           |   |
|----|-----------|---|
| 33 | 1921 Oct  | Steel clad motor control panels [2 copies]                                      |
| 34 | 1923 Oct  | Star delta switch starters  |
| 35 | 1924 Jan  | Air cooled rotor starters [2 copies]  |
| 36 | 1924 Jan  | Air cooled combined stator and rotor starters                                   |
| 37 | 1924      | Direct current starters [ <u>wanting</u> ]                                      |
| 38 | 1926 May  | ----- as above -----  |
| 39 | 1909      | Patent auto convertor [ <u>wanting</u> ]  |
| 40 | 1911      | ----- as above -----  |
| 41 | 1900 Aug  | The Crompton ceiling fan  |
| 42 | 1907 Jun  | Ceiling fans (continuous current)   |
| 43 | 1910 Mar  | ----- as above -----  |
| 44 | 1936 Sept | Price list of ceiling fans  |
| 45 | 1938 Jul  | ----- as above -----  |
| 46 | 1894      | Catalogue of Cooking & Heating Apparatus<br>[ <u>wanting</u> ]                  |
| 47 | 1912-1914 | Catalogue of Electric Cooking and Heating Section                               |
| 48 | 1894 Apr  | Section V of catalogue [shewing measuring<br>instruments etc]                   |
| 49 | 1897      | Price list of instruments [revised section V] [2<br>copies]                     |
| 50 | 1900 Feb  | The "Chelmsford" Instruments. Volt & ampere<br>meters                           |
| 51 | 1902 Jun  | Price list of Electrical Measuring instruments                                  |
| 52 | 1903 Dec  | Direct current switchboard instruments...                                       |
| 53 | 1903 Dec  | Reflecting galvanometers, resistance boxes and<br>other testing room appliances |
| 54 | 1904 Feb  | Price list of voltmeters and amperemeters...                                    |
| 55 | 1904 Feb  | Electrical pyrometers for use with steam plants                                 |

|    |           |  |
|----|-----------|--|
| 56 | 1904 Feb  | Price list of the Crompton potentiometer...  |
| 57 | 1904 Feb  | Portable testing instruments...  |
| 58 | 1904 Feb  | Direct current switchboard instruments...  |
| 59 | 1906 Sept | Electrical instruments for continuous current circuits   |
| 60 | 1906 Sept | Portable testing sets (combined voltmeter & amperemeter)                                       |
| 61 | 1907 Feb  | Potentiometers and accessories   |
| 62 | 1907 Mar  | Electrical instruments for alternating current circuits  |
| 63 | 1907 Mar  | Reflecting galvanometers, resistance boxes and other testing room appliances                   |
| 64 | 1907 Apr  | Electrical pyrometers (direct reading)...  |
| 65 | 1908 Jun  | Portable testing sets (combined voltmeter & amperemeter)                                       |
| 66 | 1909 Mar  | Horse power meters   |
| 67 | 1910 Mar  | Moving coil electrical instruments for continuous current circuits                             |
| 68 | 1910 May  | Electrical instruments in 4" diameter cases...   |
| 69 | 1910 Apr  | Potentiometers and accessories   |
| 70 | 1910 May  | Moving iron electrical instruments for continuous & alternating current circuits               |
| 71 | 1911 Mar  | Moving coil & moving iron electrical instruments for continuous & alternating current circuits |
| 72 | 1911 Sept | Moving coil electrical instruments for continuous current circuits                             |
| 73 | 1911 Oct  | Potentiometers and accessories   |
| 74 | 1912 Mar  | Reflecting galvanometers, resistance boxes and other testing room appliances                   |
| 75 | 1912 Apr  | Electrical pyrometers ... for steam plants   |

|    |           |   |
|----|-----------|---|
| 76 | 1912 Apr  | ----- as above ----- ... for carburetted water gas and similar plants |
| 77 | 1913 May  | Portable testing set for direct currents                              |
| 78 | 1913 Jun  | Moving coil instruments for continuous currents                       |
| 79 | 1913 Jun  | Moving iron instruments for continuous and alternating currents       |
| 80 | 1913 Dec  | Pedestal pattern instruments  |
| 81 | 1914 May  | Cell testing voltmeter  |
| 82 | 1915 Jul  | Portable moving iron instruments                                      |
| 83 | 1915 May  | Portable paralleling voltmeters                                       |
| 84 | 1915 Jul  | Leakage indicators for two wire circuits                              |
| 85 | 1916 Sept | Switchboard moving coil instruments, 'A' pattern                      |
| 86 | 1916 Nov  | ----- as above -----, 'B' pattern, sector cases                       |
| 87 | 1916 Nov  | Controller pattern instruments  |
| 88 | 1916 Jul  | Leakage indicators for two wire circuits                              |
| 89 | 1916 Dec  | Portable paralleling voltmeters                                       |
| 90 | 1917 Jan  | Combined ammeters and voltmeters                                      |
| 91 | 1917 Apr  | Switchboard moving iron instruments, 'KA' pattern                     |
| 92 | 1917 Apr  | ----- as above -----, 'KAF' pattern                                   |
| 93 | 1917 Jan  | ----- as above -----, 'KA' pattern                                    |
| 94 | 1917 Jan  | Standard portable testing sets, double instrument pattern             |
| 95 | 1917 Jan  | ----- as above -----, single instrument pattern                       |
| 96 | 1916 Dec  | Portable moving coil instruments, 'D' pattern                         |
| 97 | 1916 Jul  | ----- as above -----, 'KD' pattern                                    |

|     |           |   |
|-----|-----------|---|
| 98  | 1916 Sept | Watertight moving iron instruments                                |
| 99  | 1916 Jul  | Cell testing voltmeters   |
| 100 | 1917 Apr  | Standard portable testing sets                                    |
| 101 | 1917 Apr  | Switchboard moving coil instruments, 'OA' pattern                 |
| 102 | 1917 Apr  | Switchboard moving iron instruments, 'OKA' pattern                |
| 103 | 1917 Apr  | Switchboard moving coil instruments, 'L' pattern                  |
| 104 | 1917 Apr  | Switchboard moving iron instruments, 'KA' pattern                 |
| 105 | 1917 Apr  | ----- as above -----, 'KAF' pattern                               |
| 106 | 1917 May  | ----- as above -----, 'KB' pattern                                |
| 107 | 1917 May  | ----- as above -----, 'KL' pattern                                |
| 108 | 1917 Apr  | Shunts for switchboard moving coil instruments, 'T' pattern       |
| 109 | 1917 Apr  | ----- as above ----- 'TP' pattern                                 |
| 110 | 1917 Apr  | Standard portable testing sets                                    |
| 111 | 1920 Jan  | Portable multi-range moving iron instruments, 'KDS' pattern       |
| 112 | 1917 Apr  | Switchboard moving coil instruments, 'OA' pattern                 |
| 113 | 1917 Apr  | ----- as above -----, 'OKA' pattern                               |
| 114 | 1917 Oct  | ----- as above -----, 'OKAF' pattern                              |
| 115 | 1917 Jun  | ----- as above -----  |
| 116 | 1917 Jun  | Switchboard moving iron instruments                               |
| 117 | 1917 May  | Admiralty pattern moving coil instruments                         |
| 118 | 1917 Oct  | Moving coil switchboard pattern recording ammeters and voltmeters |
| 119 | 1917 Oct  | Dynamometer switchboard pattern recording                         |

|     |          |  |
|-----|----------|--|
|     |          | ammeters, voltmeters & wattmeters  |
| 120 | 1917 Nov | Portable pattern recording ammeters and voltmeters ... for continuous current                                |
| 121 | 1917 Nov | ----- as above -----... for alternating current  |
| 122 | 1917 Nov | Switchboard and portable pattern recording wattmeters  |
| 123 | -        | Potentiometers, Wheatstone bridges, galvanometers and other laboratory and test room appliances [price list] |
| 124 | 1923 Apr | ----- as above -----   |
| 125 | 1918 Dec | Milliamperemeters  |
| 126 | 1924 Jun | Instrument current transformers  |
| 127 | 1919 Apr | Potentiometer equipment  |
| 128 | 1920 Dec | 'Midget' moving coil instruments   |
| 129 | 1924 Aug | Moving coil instruments  |
| 130 | 1921 Apr | Crompton-Robertson combination bridge and potentiometer  |
| 131 | 1923 Nov | ----- as above -----   |
| 132 | 1921 May | Crompton-Robertson stroboscopic vibrator   |
| 133 | 1923 Dec | Switchboard moving coil instruments  |
| 134 | 1927 Mar | ----- as above -----   |
| 135 | 1923 Dec | Switchboard moving iron instruments  |
| 136 | 1927 Mar | ----- as above -----   |
| 137 | 1923 Dec | Controller pattern instruments   |
| 138 | 1924 Jan | Switchboard moving iron instruments  |
| 139 | 1924 Jun | Crompton-Robertson combination bridge and potentiometer  |
| 140 | 1925 Dec | Cell testing voltmeters  |

|      |                   |   |
|------|-------------------|---|
| 141  | 1927 Mar          | Switchboard edgewise type instruments   |
| 142  | 1894 Apr          | Section VIII of catalogue [shewing underground mains]   |
| 143  | 1890 Jan          | Price list of Crompton dynamos for incandescent lighting  |
| 144  | 1892 Jun          | Catalogue: Notes, data and estimates ... re electric transmission of power [2 copies, one an advance proof] |
| 145  | 1892 Dec          | Catalogue: Notes and prices re dynamos, generators and motors   |
| 146  | 1894 Jun          | Pages from catalogue (includes price list of dynamos for incandescent lighting) [6 leaves]                  |
| 147  | 1897 Jan          | Price list of dynamos & motors  |
| 148  | 1899 Dec-1900 Jul | Pages from catalogues (include dynamos and motors) [9 leaves]   |
| 149  | 1899 Mar          | Price list of enclosed motors   |
| 150  | 1900 Aug          | Enclosed motors   |
| 151  | 1900 Sept         | Price list of Crompton-Brunton alternators  |
| 152  | 1901 Mar          | Electric crane equipments   |
| 153  | 1901 Feb-Oct      | Pages from catalogues (include dynamos and motors) [5 leaves]   |
| 154  | 1902 Jan          | Preliminary price list (revised) of ventilated enclosed motors for continuous currents                      |
| 155  | 1902 Mar          | Price list (revised) of bipolar dynamos and motors for belt driving and direct coupling                     |
| 155A | 1902 Feb          | Price list of Crompton multipolar dynamos for continuous currents   |
| 156  | 1906 Apr          | Alternating current generators and motors   |
| 157  | 1907 May          | ----- as above -----  |
| 158  | 1907 Sept         | Enclosed motors and dynamos. Continuous current   |



|      |            |   |
|------|------------|---|
| 159  | 1907 Sept  | Small motors for continuous current circuits  |
| 160  | 1910 Apr   | ----- as above -----  |
| 161  | 1910 Aug   | Enclosed motors and dynamos. Continuous current   |
| 162  | 1910 Nov   | Continuous current dynamos. Open type   |
| 163  | 1914 Oct   | Polyphase induction motors  |
| 164  | 1916 Feb   | ----- as above ----- for 25 cycle circuits [2 copies]   |
| 165  | 1916 Mar   | Spur reduction gears for standard AC & CC motors [2 copies]                                   |
| 166  | 1920 Feb   | Direct current motors. Protected type   |
| 167  | 1920 Apr   | Direct current generators. Open bracket type  |
| 167A | 1918 Mar   | Continuous current generators. Open type with pedestal bearings                               |
| 168  | 1920 Jun   | Direct current generators for battery charging. Open bracket type                             |
| 169  | 1920 Dec   | ----- as above ----- Open type with pedestal bearings   |
| 170  | 1921 Jan   | Small direct current motors [2 copies]  |
| 171  | 1923 Nov   | Small DC motors and generators  |
| 172  | 1923 Nov   | Steel clad DC motors  |
| 173  | 1924 Sept  | Direct current generators. Open type with pedestal bearings                                   |
| 174  | 1924 Oct   | Direct current motors. Protected type   |
| 175  | 1925 Dec   | Three-phase induction motors  |
| 176  | 1925 Dec   | Small DC motors and generators  |
| 177  | 1926 Dec   | ----- as above -----  |
| 178  | c1924-1926 | Sir W G Armstrong, Whitworth & Co, Ltd:<br>brochures, price lists re lighting sets, batteries |

|     |          |  |
|-----|----------|--|
| 179 | 1906 Jun | Projectors   |
| 180 | 1894 Apr | Section VII of catalogue [shewing switchboards, controlling apparatus] [2 copies]  |
| 181 | 1901 May | Pages from catalogue [shewing switches, fuses, cut outs, resistances] [7 leaves, some duplicate]   |
| 182 | 1907 Apr | C.B.H. circuit breakers (for continuous current) [2 copies]  |
| 183 | -        | [Switches, cut-outs etc]   |
| 184 | 1917 Jan | Standard AC automatic oil switches [ <u>with</u> photocopy]  |
| 185 | 1917 Feb | Isolating switches. Knife pattern [2 copies]   |
| 186 | 1917 Apr | Standard field break switches [2 copies]   |
| 187 | 1917 May | Standard cable shoes [2 copies]  |
| 188 | 1919 Oct | Battery regulating switches [2 copies] [ <u>with</u> leaflet re radial pattern battery regulating switches]                                |
| 189 | 1919 Oct | Radial type switches [2 copies]  |
| 190 | 1919 Nov | House lighting switch boards [2 copies]  |
| 191 | 1920 Apr | Standard circuit breakers [2 copies]   |
| 192 | 1920 Apr | Standard fuses [2 copies]  |
| 193 | 1921 Oct | Steel clad motor control panels with combined switch-fuses   |
| 194 | 1926 Jun | Totally enclosed oil-immersed circuit breakers   |
| 195 | 1904 Jan | Price list of single-phase transformers for power and lighting circuits  |
| 196 | 1909 May | The Hounsfield patent excess speed alarm for motor vehicles [ <u>with</u> ms note on its history]  |
| 197 | 1924 Jul | Offprint: 'Hydro-electric power development in Newfoundland' from <u>Engineering</u> , published by Sir W G Armstrong, Whitworth & Co, Ltd |
| 198 | 1883     | The Swan United Electric Light Co., Ltd, London:   |

illustrated catalogue

|     |          |   |
|-----|----------|---|
| 199 | 1910 Feb | The North Metropolitan Electrical Power Distribution Co., Ltd, Hertford: catalogue of electric motors |
| 200 | 1892 Jun | Catalogue: Notes, data and estimates ... re electric transmission of power                            |
| 201 | 1910 Nov | Continuous current dynamos. Open type   |
| 202 | 1897 Jan | Price list of alternators, transformers etc   |
| 203 | 1894 Apr | Section III of catalogue [showing alternators, transformers etc]                                      |
| 204 | 1926 Jan | Direct current motors. Enclosed ventilated type   |
| 205 | 1926 Jun | Small three-phase induction motors  |
| 206 | 1926 Aug | Three-phase high torque motors  |
| 207 | 1902     | Potentiometers [ <u>wanting</u> ]   |
| 208 | 1900     | Ceiling fans [ <u>wanting</u> ]   |
| 209 | 1903 Oct | Enclosed ventilated motors (continuous current)   |
| 210 | 1902 Jan | Preliminary price list (revised) of ventilated enclosed motors for continuous currents                |
| 211 | 1902 Mar | Price list (revised) of bipolar dynamos and motors for belt driving and direct coupling               |
| 212 | 1902 Mar | Continuous current bipolar dynamos & motors   |
| 213 | 1902 May | Price list of 'S' type arc lamps  |
| 214 | 1903 Jun | The 'Chelmsford' enclosed arc lamps   |
| 215 | 1903     | 'Coronation' arc lamps [ <u>wanting</u> ]   |
| 216 | 1894     | City of London Electric Lighting Co: catalogue of cooking equipment [ <u>wanting</u> ]                |
| 217 | 1892     | Leaflet of all products [ <u>wanting</u> ]  |
| 218 | 1921 Oct | Revised prices of standard open type DC generators with pedestal bearings                             |

|     |           |  |
|-----|-----------|--|
| 219 | 1923 Jan  | Ceiling fans for direct current  |
| 220 | 1923 May  | Small AC induction motors  |
| 221 | 1923 Sept | Small DC motors and generators   |
| 222 | 1923 Dec  | Spur reduction gears for standard DC motors  |
| 223 | -         | Silent fans for alternating current  |
| 224 | 1924 Jan  | Air cooled combined stator and rotor starters  |
| 225 | 1924 May  | Silent fans for alternating current  |
| 226 | 1924 Aug  | Prices of standard protected type three phase induction motors                           |
| 227 | 1924 Sept | Prices of standard protected type two or three phase induction motors                    |
| 228 | 1924 Oct  | Small DC motors and generators   |
| 229 | 1925 Apr  | ----- as above -----   |
| 230 | 1926 Jan  | Three-phase high torque motors   |
| 231 | 1926 Jan  | Direct current generators. Open bracket type for variable and constant voltages          |
| 232 | 1926 Dec  | Small DC motors and generators   |
| 233 | 1926      | ----- as above ----- [ <u>wanting</u> ]  |
| 234 | 1926 Oct  | ----- as above -----   |
| 235 | 1923      | Steel clad DC motors [ <u>wanting</u> ]  |
| 236 | 1916 Jun  | Polyphase induction motors for 25 to 60 cycle circuits. Open type with pedestal bearings |
| 237 | 1914 Jul  | Continuous current motors. Protected type  |
| 238 | 1914 Aug  | Continuous current generators. Open bracket type   |
| 239 | 1914 Oct  | Continuous current motors. Protected type  |
| 240 | 1915 Feb  | Continuous current generators. Open bracket type   |
| 241 | 1915 Oct  | Continuous current generators for battery charging. Open bracket type                    |

|     |          |  |
|-----|----------|--|
| 242 | -        | Raising and lowering gear for arc lamps etc  |
| 243 | 1915 Jul | Open type arc lamps  |
| 244 | 1916     | Half watt lanterns and fittings [ <u>wanting</u> ]   |
| 245 | -        | Voltmeter switches   |
| 246 | -        | Crompton patent automatic accumulator switches   |
| 247 | 1912 Jul | Dynamo and accumulator switchboards.<br>'Chelmsford' boards  |
| 248 | 1913     | Moving iron instruments [ <u>wanting</u> ]   |
| 249 | 1913     | Small moving coil & moving iron instruments<br>[ <u>wanting</u> ]  |
| 250 | 1915     | Portable moving coil instruments [ <u>wanting</u> ]  |
| 251 | 1916 Jul | Knife-pattern switches   |
| 252 | 1916 Jul | Standard clip switches   |
| 253 | -        | Battery regulating switches. Radial pattern  |
| 254 | -        | Radial type switches   |
| 255 | 1916 Jun | Polyphase induction motors for 25 to 60 cycle<br>circuits  |
| 256 | 1905 Mar | Electrical instruments for direct currents   |
| 257 | 1902 Aug | The Crompton potentiometer   |
| 258 | 1911 Mar | Moving coil & moving iron electrical instruments<br>for continuous & alternating current circuits.<br>Pedestal pattern |
| 259 | 1907 Jan | Switchgear [2 copies]  |
| 260 | 1904 Feb | Price list of carbons of the best quality  |
| 261 | 1906     | Pyrometers [ <u>wanting</u> ]  |
| 262 | 1907     | Enclosed arc lamps [ <u>wanting</u> ]  |
| 263 | 1906 Aug | Alternating current generators and motors  |

|     |          |  |
|-----|----------|--|
| 264 | 1906 Dec | Hire purchase of electric motors   |
| 265 | 1906 Aug | Continuous current dynamos. Open type  |
| 266 | 1912 May | Electrical plant for educational and experimental purposes                   |
| 267 | 1919 Jun | Standard shunt regulators  |
| 268 | 1919 Oct | Automatic accumulator switches   |
| 269 | 1912 Jul | Dynamo and accumulator switchboards. 'Chelmsford' boards                     |
| 270 | 1918 Mar | Switchboard pattern watt-hour meters for alternating current systems         |
| 271 | 1917 Jan | Standard CC breakers for switchboard mounting [2 copies]                     |
| 272 | 1918 Dec | Switchboard pattern watt-hour meters. Two-wire type for continuous current   |
| 273 | 1918 Mar | Standard fuses. Home Office pattern ... for switchboard mounting             |
| 274 | 1913 Nov | Potentiometers...  |
| 275 | 1938 Apr | Potentiometer equipment  |
| 276 | 1923 Nov | House lighting switch boards. 'B' pattern...                                 |
| 277 | 1923 Nov | Oil cooled rotor starters for polyphase slip-ring induction motors           |
| 278 | 1923 May | Automatic cut-in and cut-out switches. Electro-magnetic type                 |
| 279 | 1922 Jun | Three phase liquid starters for AC slip-ring induction motors. Enclosed type |
| 280 | 1926 Aug | AC control panels  |
| 281 | 1925 Mar | AC overload relays. Inverse time limit type                                  |
| 282 | 1924     | Standard clip switches [ <u>wanting</u> ]                                    |
| 283 | 1924 Feb | Knife-pattern switches   |
| 284 | 1922 Jun | Three phase liquid starters for AC slip-ring                                 |

|     |           |  |
|-----|-----------|--|
|     |           | induction motors. Enclosed type  |
| 285 | 1908 Jun  | The Arc Works, Chelmsford and some of its manufactures                             |
| 286 | 1907 May  | Continuous current dynamos. Open type  |
| 287 | 1907 Dec  | The Crompton-Blondel system of flame arc lighting                                  |
| 288 | 1907      | AC instruments [ <u>wanting</u> ]  |
| 289 | 1921 Jan  | Small direct current motors  |
| 290 | 1918 Sept | Continuous current motors. Protected type  |
| 291 | 1918 May  | ----- as above -----   |
| 292 | 1918 Jul  | Continuous current generators. Open bracket type                                   |
| 293 | 1922 Nov  | Small DC motors and generators   |
| 294 | 1922 Sept | ----- as above -----   |
| 295 | 1905      | Mr Tunstill's old pocket price list [ <u>wanting</u> ]                             |
| 296 | 1897 Jan  | Catalogue: Notes, data and prices re dynamos, generators, motors and steam dynamos |
| 297 | 1900 Feb  | Price list of electrical measuring instruments                                     |

#### **D - Press cuttings etc [files]**

|   |                            |
|---|----------------------------|
| 1 | REBC                       |
| 2 | Chelmsford Works           |
| 3 | Lighting installations etc |
| 4 | Rotating equipment etc     |
| 5 | Power installations etc    |
| 6 | Heating & cooking          |
| 7 | Traction equipment         |

#### **L - Patents**

|   |          |  |
|---|----------|--|
| 1 | 1913 Nov | Patent No. 1078538. United States Patent Office. |
|---|----------|--|

|    |          |  |
|----|----------|--|
|    |          | Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England concerning Road Rollers.   |
| 2  | 1908 Mar | Patent No. 4799. Issued to Crompton and Company Limited and Claud Crompton for the improvements in and relating to controllers for electric motors.  |
| 3  | 1911 Nov | Patent No. 26408. Issued to Crompton & Co. Ltd., James Colquhoun MacFarlane and Henry Burge, all engineers of Arc Works, Chelmsford for improvements in electrically operated motor vehicles.                              |
| 4  | 1913 Apr | Patent No. 12172. Issued to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp for improvements in road rollers.   |
| 5  | 1910 Mar | Patent No. 7489. Issued to Rookes Evelyn Bell Crompton for improvements relating to road locomotives or tractors.  |
| 6  | 1914     | Patent No. 134487. Italian Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England concerning Perfectionnements aux cylindres employés pour l'entretien et la réparation des routes. |
| 7  | 1913 May | Patent No. 256834. Belgium Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England concerning Perfectionnements aux cylindres employés pour l'entretien et la réparation des routes. |
| 8  | 1905 May | Patent No. 20865. German Patent granted to Crompton & Co. Ltd. and Rudolf Goldschmidt in Chelmsford, England.  |
| 9  | 1913 May | Patent No. 458753. French Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England concerning Perfectionnements aux cylindres employés pour l'entretien et la réparation des routes.  |
| 10 | 1902     | Patent No. 154090. German Patent granted to Crompton & Co. Ltd. in Chelmsford, England. Schaltungseinrichtung zur Compoundierung von Wechselstromerzeugern mit Gleichstromerregung. English Patent No. 18169.              |



- |    |          |   |
|----|----------|---|
| 11 | 1910 Mar | Patent No. 571. Australian Patent Issued to Crompton & Co. Ltd., James Colquhoun MacFarlane and Henry Burge, all engineers of Arc Works, Chelmsford for improvements relating to dynamo electric machines.                              |
| 12 | 1914 Jul | Patent No. 156962 Canadian Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England have jointly invented new and useful improvements in road rollers.   |
| 13 | 1913 Nov | Patent No. 55703 Spanish Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England have jointly invented new and useful improvements in road rollers.   |
| 14 | 1913 Nov | Patent No. 1078538 United States of America Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England have jointly invented new and useful improvements in road rollers. Envelope only.             |
| 15 | 1914 Mar | Patent No. 7489 British Patent granted to Rookes Evelyn Bell Crompton for improvements relating to road locomotives or tractors.. Envelope only.  |
| 16 | 1912 May | Patent No. 12172 British Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England for improvements in road rollers. Envelope only.   |
| 17 | 1913 Nov | Patent No. 55703 Spanish Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England for improvements in road rollers. Envelope only.   |
| 18 | 1913 May | Patent No. 91/430 Italian Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England for improvements in road rollers. Envelope only.  |
| 19 | 1913 May | Patent No. 256834 Belgium Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England concerning Perfectionnements aux cylindres employés pour l'entretien et la réfection des routes. Envelope only. |

|    |          |  |
|----|----------|--|
| 20 | 1913 May | Patent No. 458753 French Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England concerning Perfectionnements aux cylindres employés pour l'entretien et la réfection des routes. Envelope only. |
| 21 | 1914 Jul | Patent No. 156962 Canadian Patent granted to Rookes Evelyn Bell Crompton and Ernest Thomas James Tapp of London, England for improvements in road rollers. Envelope only.  |

## **P – Photographs**

|    |                                   |
|----|-----------------------------------|
| 1  | Col. Crompton                     |
| 2  | Groups of Works Employees         |
| 3  | Historical Collection             |
| 4  | Moulsham St Works                 |
| 5  | Chelmsford Electric Light Station |
| 6  | Arc Works                         |
| 7  | India                             |
| 8  | Installations – cranes            |
| 9  | ----- " ----- - power stations    |
| 10 | Arc Lamps                         |
| 11 | Cooking & heating apparatus       |
| 12 | Ceiling fans                      |
| 13 | Instruments                       |
| 14 | Potentiometers                    |
| 15 | Rotary plant                      |
| 16 | Searchlights                      |
| 17 | Traction                          |

18 Switchgear

19 Miscellaneous

**P1 - Col Crompton [2 files]**

|           |            |   |
|-----------|------------|---|
| 1-1       | c1890-1892 | Group taken during picnic sail on Blackwater, Essex [includes REBC's eldest daughter, Mrs Gertrude Crompton Hall [2 copies] |
| 1-2       | c1899-1900 | REBC receiving telephone message on the Veldt   |
| 1-3       | 1896       | REBC [ <u>wanting</u> ]   |
| 1-4       | 1900       | ----- " -----   |
| 1-5       | c1898-1900 | REBC  |
| 1-6 & 1-7 | -          | REBC  |
| 1-8 & 1-9 | 1935?      | REBC  |
| 1-10      | 1935       | REBC  |
| 1-11      | 1935       | Illuminated address to REBC by I.E.E. on his ninetieth birthday   |
| 1-12      | 1934?      | REBC in Chelmsford Electric Light Station   |
| 1-13      | 1938       | REBC, Mrs Crompton & Miss Hazel Crompton  |
| 1-14      | 1937?      | REBC & Mrs Crompton   |
| 1-15      | 1936?      | REBC, Mr Frank Parkinson & G Marconi [2 copies]   |
| 1-16      | -          | REBC, Sir Arthur Stanley & Sir James Swinburne  |
| 1-17      | -          | REBC with group   |
| 1-18      | 1929       | REBC with Work Group, on the occasion of the first interworks tennis match  |
| 1-19      | -          | REBC with Prof Elihu Thomson?   |
| 1-20      | 1899       | REBC with Prof J Perry in Switzerland   |
| 1-21      | -          | negative destroyed  |
| 1-22      | -          | REBC in workshop  |

|             |          |  |
|-------------|----------|--|
| 1-23        | -        | REBC on bicycle [ <u>wanting</u> ]                                     |
| 1-24        | -        | REBC on boat   |
| 1-25        | 1902     | REBC in White steam car [ <u>wanting</u> ]                             |
| 1-26        | 1935     | REBC playing squash  |
| 1-27        | -        | REBC   |
| 1-28        | -        | REBC on telephone [ <u>wanting</u> ]                                   |
| 1-29        | 1931     | REBC at desk   |
| 1-30        | -        | REBC outside Thriplands  |
| 1-31        | -        | REBC, Mrs Crompton & family - Diamond Wedding group                    |
| 1-32 & 1-33 | -        | REBC in Instrument Department  |
| 1-34        | -        | REBC, Mr A Parkinson, Mr Windebank? & Mr Claud Crompton                |
| 1-35 & 1-36 | -        | REBC and part, including Miss Hazel Crompton, at Stanton Iron Works    |
| 1-37        | -        | REBC at Stanton Ironworks  |
| 1-38        | -        | REBC   |
| 1-39        | 1935     | REBC, pencil portrait from supplement to <u>The Engineer</u> of 31 May |
| 1-40        | -        | REBC with group of Internationals [ <u>wanting</u> ]                   |
| 1-41        | -        | Bust of REBC   |
| 1-42        | 1926 Mar | Certificate re Faraday Medal   |
| 1-43        | 1930 May | Illuminated address to REBC from I.E.E. on his eighty-fifth birthday   |
| 1-44        | 1933 May | Election to Fellow of the Royal Society                                |
| 1-45        | 1934 May | Certificate re Honorary Membership of I.C.E.                           |
| 1-46        | 1935 May | ----- as above ----- I.M.E.  |
| 1-47        | 1955     | 12 snapshot views of Tanfield  |

|              |      |   |
|--------------|------|---|
| 1-48         | 1954 | Miss Hazel Crompton   |
| 1-49         | 1889 | REBC [on reverse of carte d'exposant of the Exposition Universelle et Internationale] |
| 1-50         | 1935 | REBC [ <u>wanting</u> ]   |
| 1-51         | 1935 | REBC & Sir James Swinburne  |
| 1-52         | 1935 | REBC, Miss Hazel Crompton, Mr A Parkinson et al                                       |
| 1-53         | 1935 | REBC and Lord Plender   |
| 1-54         | 1935 | REBC, Sir Arthur Stanley & Sir James Swinburne  |
| 1-55 to 1-57 | 1934 | REBC at opening of Pithead Baths, Pleasley Colliery                                   |
| 1-58         | 1905 | REBC with Mr White in the White steam car   |
| 1-59         | -    | Photo of painting of REBC by Mrs Gertrude Crompton Hall                               |
| 1-60         | -    | The Crompton family crest   |
| 1-61         | 1938 | REBC  |
| 1-62 & 1-63  | 1938 | REBC & Col Hardie   |
| 1-64         | 1938 | REBC with group at Sports   |
| 1-65         | 1938 | REBC, Col Hardie & Mr T H Windibank   |

**P2 - Groups of Works Employees** [of 86 photos in this section, only the following are present] [1 file]

|      |      |   |
|------|------|---|
| 2-8  | 1900 | Electrical Engineers Volunteer Corps before sailing for South Africa        |
| 2-9  | 1900 | ----- as above ----- with steam engine                                      |
| 2-10 | 1898 | ----- as above -----, Fort Victoria I.W.                                    |
| 2-29 | -    | Mr Burnton  |
| 2-38 | 1900 | Electrical Engineers Volunteer Corps with traction engine, with searchlight |

|      |          |   |
|------|----------|---|
| 2-39 | 1900 Mar | ----- as above ----- embarked on S.S.Tagus          |
| 2-40 | 1900     | ----- as above -----, nine assorted photos          |
| 2-48 | 1911     | Old Cromptonians [negative only]                    |
| 2-84 | [1936]   | Sydney Evershed P3 - Historical Collection [1 file] |

**P3 – Historical collection [1 file]**

|              |      |  |
|--------------|------|--|
| 3-1 to 3-4   | -    | Views of first Museum  |
| 3-5          | 1949 | View of first Museum   |
| 3-6          | -    | Frame of medals  |
| 3-7          | -    | Various medals   |
| 3-8          | -    | Design of 1878 medal   |
| 3-9          | 1955 | View of Collection   |
| 3-10 to 3-13 | -    | ---- as above ----   |
| 3-14         | -    | Machine from Birmingham General Hospital [ <u>wanting</u> ]                |
| 3-15         | -    | Burgin Machine [ <u>wanting</u> ]  |
| 3-16         | 1955 | Minerva Detector Unit in Gate House  |
| 3-17         | 1955 | Visit of Donors, Col & Mrs Reavell with Mr & Mrs Spencer                   |
| 3-18         | 1955 | ----- " -----, Miss Hazel Crompton with Mr Holroyd                         |
| 3-19         | 1955 | ----- " -----, Miss Hazel Crompton with Mr Holroyd & Prof MacGregor Morris |
| 3-20         | 1955 | ----- " -----, Mr & Mrs Fryer  |
| 3-21         | 1955 | ----- " -----, Col & Mrs Austin & Mr & Mrs Barnard                         |
| 3-22         | 1955 | Visit of Donors, Mr & Mrs Spencer & Col Reavell                            |

|              |           |   |
|--------------|-----------|---|
| 3-23         | 1955      | ----- " -----, Miss Crompton, Mr Barnard & Mrs Windibank              |
| 3-24         | 1955      | ----- " -----, Mr & Mrs Fryer & Mr & Mrs Harper                       |
| 3-25         | 1955      | ----- " -----, Prof MacGregor Morris                                  |
| 3-26         | 1955      | Visit of Donors, Mr Church, Mr Cass & Mr Keeble                       |
| 3-27         | 1955      | ----- " -----, Mr & Mrs Barnard                                       |
| 3-28         | 1955      | ----- " -----, Mr Betterley & Mr Berger                               |
| 3-29         | 1955      | ----- " -----, Mr Phillips, Dr Sims & Mr Betterley                    |
| 3-30         | 1950/1951 | Mr Walter Scott & Mr Sowman in original Collection                    |
| 3-31 to 3-33 | 1954      | Miss Hazel Crompton, Mr Sowman & RRG in Collection [ <u>wanting</u> ] |
| 3-34         | 1954      | Miss Hazel Crompton & RRG in Collection                               |
| 3-35 & 3-36  | 1955      | Mrs G Crompton Hall, Mr Sowman, Mr Spencer & RRG in Collection        |
| 3-37         | -         | untitled [NOT as caption in index]                                    |
| 3-38 to 3-40 | 1955      | Mrs G Crompton Hall, Mr Sowman, Mr Spencer & RRG in Collection        |
| 3-41         | 1952      | RRG in Collection   |
| 3-42         | 1956      | Gramme Wound small motor 1888 [ <u>wanting</u> ]                      |
| 3-43         | 1956      | Single phase motor from Windsor [ <u>wanting</u> ]                    |
| 3-44         | 1956      | Early voltmeter 1883 [ <u>wanting</u> ]                               |
| 3-45         | 1956      | C M B auto convertor 1908 [ <u>wanting</u> ]                          |
| 3-46         | 1956      | Searchlight lamp and motor 1885 & 1913 [ <u>wanting</u> ]             |
| 3-47         | 1956      | Curling tong heater, hot plate & iron 1891 [ <u>wanting</u> ]         |
| 3-48         | -         | Fragments of Middle Bronze Age burial urn, excavated 1901             |

|              |          |  |
|--------------|----------|--|
| 3-48         | -        | Combined ammeter & voltmeter 1883  |
| 3-49         | 1959 Jan | The Mayor with Mr Hay in Collection  |
| 3-49         | -        | Medal: 'R E Crompton & Co, Arc Works, Chelmsford 1878' [2 copies]                                    |
| 3-50         | -        | Medal: 'Crompton & Co Ltd 1895' [being reverse of above]   |
| 3-51         | -        | Pocket diary and price list 1890   |
| 3-52 & 3-53  | 1960     | Mr Frank Clark in Collection   |
| 3-54         | 1951     | Armature shewing worn commutator of machine from Birmingham General Hospital 1897 [ <u>wanting</u> ] |
| 3-55 to 3-57 | 1959     | Admiral Peart in Collection  |
| 3-58         | -        | Switchboard 1903 [ <u>wanting</u> ]  |
| 3-59         | -        | Switchboard and two arc lamps c1885 from Morland House   |
| 3-60 & 3-61  | 1962     | Miss Weston & Mr Smart of Science Museum in Collection [ <u>wanting</u> ]                            |
| 3-62         | -        | Instrument 1883 [ <u>wanting</u> ]   |
| 3-63         | 1962     | Electric fire and two electric instruments   |
| 3-64         | -        | Admiral Post, Mr Thompson & Mr Kenderdine in Collection  |
| 3-65         | 1963     | Transformer [ <u>wanting</u> ]   |
| 3-66         | 1963     | Mr A E Gregg (managing director), Mr W A Bird & Mayor M M Davies in Collection                       |
| 3-67         | 1963 Nov | Mr L M Linn in Collection  |

#### **P4 - Moulsham Street Works** [1 file]

|     |       |  |
|-----|-------|--|
| 4-1 | 1885? | View of Bickmore's Shop [ <u>with</u> later copy]        |
| 4-2 | 1885  | Bastick's Shop [ <u>with</u> negative of this and below] |
| 4-3 | 1885  | Test room and main counter shaft [ <u>see</u> above]     |
| 4-4 | 1885  | Brown's Shop   |



|              |      |   |
|--------------|------|---|
| 4-5          | 1886 | Mrs Crompton's tea to workmen's wives and children                |
| 4-6          | -    | View of Arc Works [as it was 1878-1896]                           |
| 4-7 & 4-8    | 1895 | Fire [ <u>with</u> copy]  |
| 4-9          | 1895 | Fire  |
| 4-10         | 1895 | Fire [ <u>with</u> copy]  |
| 4-11 & 4-12  | 1895 | Fire  |
| 4-13         | -    | Great flood at Chelmsford 1888 [ <u>wanting</u> ]                 |
| 4-14         | -    | Engine no. 4 of main generator for town lighting before 1895 fire |
| 4-15         | -    | Test room (generator) and switchboard before 1895 fire            |
| 4-16         | -    | View of Machine Shop before 1895 fire                             |
| 4-17         | -    | After the 1895 fire   |
| 4-18         | -    | ----- " -----, Machine Shop                                       |
| 4-19         | -    | ----- " -----, main entrance                                      |
| 4-20         | -    | ----- " -----, Test room  |
| 4-21         | -    | ----- " -----, Town Lighting Dept                                 |
| 4-22         | -    | After the 1895 fire, Machine Shop                                 |
| 4-23         | -    | Apprenticeship indenture 1881                                     |
| 4-24         | -    | Town generator pre-1895   |
| 4-25         | -    | Inspection Dept   |
| 4-26 to 4-30 | 1895 | Fire  |

**P5 - Chelmsford Electric Light Station** [1 file]

|     |      |                           |
|-----|------|---------------------------|
| 5-1 | 1890 | DC generator              |
| 5-2 | 1930 | Alternator installed 1899 |

|              |            |  |
|--------------|------------|--|
| 5-3          | -          | ----- as above -----   |
| 5-4          | 1936       | REBC reflecting on alternator before scrapping<br>[with negative] P6 - Arc Works [4 files] |
| 6-1 & 1a     | 1896       | Start of new Works   |
| 6-2          | 1897       | General view   |
| 6-3 & 3a     | 1896/1899  | Machine Shop / Meter testing room  |
| 6-4          | 1900       | Extension to Machine Shop  |
| 6-5          | 1900       | Stores   |
| 6-6          | 1900       | Armature winding   |
| 6-7 & 6-8    | 1910       | View of Works [postcard]   |
| 6-9          | 1907       | ----- as above -----   |
| 6-10         | 1904       | ----- as above -----   |
| 6-11         | 1899       | Generator, switchboard & test room   |
| 6-12         | 1900       | Inspection Dept  |
| 6-13 & 6-13a | 1910       | Costing Office / General view of Power House   |
| 6-14         | 1936       | Instrument assembly  |
| 6-15         | 1903       | Main Shop  |
| 6-16         | 1903       | Test Bed, Balancer Booster for Electric Supply<br>Corp Ltd                                 |
| 6-17         | 1903       | --- " ---, Crompton MacKintosh Reversible<br>Booster [ <u>wanting</u> ]                    |
| 6-18         | c1894      | Writtle Road before Works were built   |
| 6-19         | c1896      | Arc Works  |
| 6-20         | 1896       | Coffee House in Crompton Street  |
| 6-21         | 1895/1898? | Machine Shop   |
| 6-22 to 6-25 | 1953       | Aerial view of Works [ <u>wanting</u> ]  |
| 6-26 to 6-28 | 1953       | New Historic Collection  |

|              |      |  |
|--------------|------|--|
| 6-29         | 1953 | View of New Historic Collection [ <u>wanting</u> ] |
| 6-30 to 6-32 | 1953 | --- as above ---                                   |
| 6-33         | 1953 | --- as above --- [ <u>wanting</u> ]                |
| 6-34 to 6-39 | 1953 | --- as above ---                                   |
| 6-40 & 6-41  | 1953 | Front offices                                      |
| 6-42 & 6-43  | 1921 | ----- " -----                                      |
| 6-44         | 1921 | Entrance hall                                      |
| 6-45         | 1921 | General manager's office                           |
| 6-46         | 1921 | Typists' room                                      |
| 6-47         | 1921 | Machine drawing office                             |
| 6-48         | 1921 | Cost office  |
| 6-49         | 1921 | Yard from the gate                                 |
| 6-50         | 1921 | Yard from north-east                               |
| 6-51         | 1921 | Cast iron store                                    |
| 6-52         | 1921 | 90 foot bay  |
| 6-53         | 1921 | Foundry  |
| 6-54         | 1921 | Pattern Shop                                       |
| 6-55 to 6-59 | 1921 | Power House, west end                              |
| 6-60         | 1921 | Sheet steel store                                  |
| 6-61         | 1921 | Press Shop   |
| 6-62         | 1921 | Armature store                                     |
| 6-63         | 1921 | Inspection Dept                                    |
| 6-64         | 1921 | Comm & Core Shop                                   |
| 6-65 & 6-66  | 1921 | Armature Shop                                      |
| 6-67         | 1921 | Tool room  |

|               |      |                                    |
|---------------|------|------------------------------------|
| 6-68 & 6-69   | 1921 | Machine Shop                       |
| 6-70          | 1921 | Erecting Shop                      |
| 6-71          | 1921 | Small motor bay                    |
| 6-72          | 1921 | Erecting Shop                      |
| 6-73          | 1921 | Large armature Shop                |
| 6-74          | 1921 | Large erecting Shop                |
| 6-75 & 6-76   | 1921 | Large test room                    |
| 6-77 & 6-78   | 1921 | Test room                          |
| 6-79          | 1921 | Finishing off                      |
| 6-80 & 6-81   | 1921 | Switchgear drawing office          |
| 6-82          | 1921 | Switchgear stores                  |
| 6-83          | 1921 | Switchgear Machine Shop [2 copies] |
| 6-84          | 1921 | ----- as above -----               |
| 6-85 to 6-87  | 1921 | Switchgear assembly                |
| 6-88          | 1921 | Switchgear erection                |
| 6-89          | 1921 | Fan Shop                           |
| 6-90 to 6-92  | 1921 | Instrument Shop                    |
| 6-93          | 1921 | Instrument Machine Shop            |
| 6-94          | 1924 | Switchgear Dept, 10A Shop          |
| 6-95          | 1915 | Instrument Shop                    |
| 6-96 & 6-97   | -    | Interior of chapel                 |
| 6-98          | 1896 | View of Works from the east        |
| 6-99          | 1921 | Bay in small Machine Shop          |
| 6-100         | 1954 | New bar in canteen                 |
| 6-101a, b & c | 1954 | Works yard in spring               |

|                |          |   |
|----------------|----------|---|
| 6-102          | 1897     | ..... drive for lathe in Machine Shop                                       |
| 6-103 to 6-107 | -        | Lamp Shop c 1908-10   |
| 6-108          | 1914     | View of Yard (consignment of searchlights for Russia)                       |
| 6-109 & 6-110  | 1956 Aug | Last length of line shafting and last lathe at Moulsham Works               |
| 6-111          | -        | Plan of Works giving dates of extensions                                    |
| 6-112          | 1913     | Lamp Shop: searchlight for Russia, with inspectors                          |
| 6-113          | 1956 Oct | Plaque outside front door   |
| 6-114          | 1925 Jan | Copy of Certificate for Suggestion Scheme                                   |
| 6-115          | 1915     | Lamp Shop (Machine Shop)  |
| 6-116          | -        | Works from Bridge c 1903 in form of New Year's card [ <u>with</u> 2 copies] |
| 6-117          | -        | Instrument Shop 1916  |
| 6-118          | c1920    | Erection Shop   |
| 6-119 & 6-120  | 1958     | Crane from 90 foot bay leaving Works  |
| 6-121          | 1958     | --- as above ---, motor only  |
| 6-122          | -        | Copy of reference given to Mr S W Hawkins in 1913 [ <u>wanting</u> ]        |
| 6-123          | -        | Old test  |
| 6-124          | -        | Armature test   |
| 6-125          | -        | Main switchboard  |
| 6-126          | -        | Marble switchboard  |
| 6-127 & 6-128  | -        | View across main shops  |
| 6-129          | -        | Static winding Shop   |
| 6-130          | -        | View from old test looking north  |

|                |       |  |
|----------------|-------|--|
| 6-131          | -     | Large Magnet Frame in main shop                  |
| 6-132 to 6-137 | -     | Old test room                                    |
| 6-138 to 6-151 | -     | Various machines on test [ <u>wanting</u> 6-138] |
| 6-152          | 1899  | Post card of Works                               |
| 6-153          | c1904 | ---- as above ----                               |
| 6-154          | c1900 | Front door                                       |
| 6-155          | c1954 | Aerial view [ <u>wanting</u> ]                   |

**P7 - India** [of 33 photos in this section only the following are present] [1 file]

|             |      |   |
|-------------|------|---|
| 7-1 to 7-4  | 1906 | Laying cables in Madras   |
| 7-5         | 1907 | Madras, coolie girls  |
| 7-6         | 1907 | Madras, laying cables in the Esplanade [2 copies]               |
| 7-7         | 1907 | Madras, pay day - gang no. 2                                    |
| 7-8         | 1907 | Madras mains [2 copies]   |
| 7-23        | 1872 | Government steam train at water station                         |
| 7-24        | 1870 | 'Bluebell' steam train  |
| 7-25        | -    | 'Chenab' steam train  |
| 7-31 & 7-32 | 1906 | Madras: cable laying / building the Power House at Basin Bridge |
| 7-33        | 1906 | Madras: flooded cable trench                                    |

**P8 - Installations** (cranes etc) [1 file]

|            |          |  |
|------------|----------|--|
| 8-1        | 1899 Mar | Colchester, Britannia Works - electric crane             |
| 8-2 & 8-3  | -        | Malaya, tin dredger 1918                                 |
| 8-4 & 8-5  | -        | Cranes at site of Cardiff new Town Hall?                 |
| 8-6 / 8-6a | -        | Motor driven 32-ton crane / motor driven Scherzer Bridge |
| 8-7        | -        | Shipyard crane   |

|             |      |  |
|-------------|------|--|
| 8-8         | -    | Darjeeling Power Station                 |
| 8-9         | -    | Darjeeling                               |
| 8-10        | -    | Kings Cross Station 1852 or 1881?        |
| 8-11        | -    | ----- as above ---- [ <u>wanting</u> ]   |
| 8-12        | -    | SS Teutonic 1899                         |
| 8-13        | 1941 | Maunsell Forts in Thames Estuary         |
| 8-14        | 1920 | Electrically driven platform cranes      |
| 8-15 & 8-16 | 1920 | ----- " ----- capstan                    |
| 8-17        | 1899 | Overhead travelling crane in New Zealand |
| 8-18        | -    | Motorised derrick c 1886-88              |
| 8-19        | -    | Crane for coaling ships [2 files]        |

**P9 - Installations** (Power Stations, Works etc)

|        |           |   |
|--------|-----------|---|
| 9-1    | 1882      | London Law Courts: dynamos  |
| 9-2    | 1889/1890 | Westminster Electric Supply Corp: Crompton generator & switchboard      |
| 9-3/3a | 1882      | Victoria Station Power Station: plan of first floor / section of floors |
| 9-4    | -         | First machine in Historical Collection [ <u>wanting</u> ]               |
| 9-5    | 1885      | Tilbury Docks: dynamos used for lighting hotel                          |
| 9-6    | -         | G.W.R., Paddington: alternator  |
| 9-7    | 1888      | Brigate Mill, North Walsham: .... pulley drive [ <u>wanting</u> ]       |
| 9-8    | 1886      | Vienna Power Station [ <u>with</u> negative]                            |
| 9-9    | -         | Dacca Twist Co: generator c 1886  |
| 9-10   | -         | Liverpool St Station 1892   |
| 9-10a  | -         | ----- as above -----: close up of generators                            |
| 9-11   | -         | Chelmsford Arc Works: crankshaft generator 1896                         |

|              |           |   |
|--------------|-----------|---|
| 9-12         | 1898      | West Hartlepool: generator  |
| 9-13         | 1936      | Norton Folgate G.E.R.: Liverpool St power station 1905                                    |
| 9-14         | -         | Induction motor driving air compressor  |
| 9-15         | -         | London, Whitbreads Brewery: enclosed motors 1918  |
| 9-16         | -         | Sevenoaks: Mirlees diesels 1919   |
| 9-17         | -         | Norwich Corp: flooding of power station   |
| 9-18 & 9-19  | -         | Bankside, London: Union Cold Storage – Crompton auto synchronous motor 1923               |
| 9-20         | -         | Tilbury Docks: auto synchronous motor   |
| 9-21         | -         | L.C.C., Abbey Mills Sewage Works: dismantling   |
| 9-22         | -         | ----- as above -----: auto synchronous motors   |
| 9-23         | -         | Dagenham, Briggs Bodies Works: REBC & Mr J H Johnson                                      |
| 9-24         | -         | M.G.M. Studios: alternators [2 copies]  |
| 9-25         | -         | Thames Board Mills: auto synchronous motors   |
| 9-26/ 26a    | 1920?     | Generating Station with diesel engines / open bracket C.C. generators                     |
| 9-27         | 1936/1937 | Auto synchronous motor driving turbo blower   |
| 9-28         | -         | Motor driving condenser in sugar factory [ <u>wanting</u> ]                               |
| 9-29 & 9-29a | -         | D.C. generator 1900 [ <u>wanting</u> ]  |
| 9-30 & 30a   | 1890      | D.C. generator  |
| 9-31         | -         | Pretoria Lighting Station 1892  |
| 9-32         | -         | Birmingham Town Hall, generator room [photocopy from <u>The Electrician</u> Oct 21, 1882] |
| 9-33         | -         | Tilbury Docks: north Engine House 1886  |



|              |      |  |
|--------------|------|--|
| 9-34         | -    | London, Imperial Tobacco Co Ltd: 75kw generator installed 1899               |
| 9-35         | -    | Bankside, London: Union Cold Storage - auto synchronous motors 1923          |
| 9-36         | 1927 | G.W.R., Barry Dock: power station 1881/1887?                                 |
| 9-37         | -    | Harrow on the Hill power station 1897  |
| 9-38         | 1920 | Electrically driven feed pump  |
| 9-39         | 1920 | Electrically driven feed pumps   |
| 9-40         | 1920 | Direct-coupled steam dynamo  |
| 9-41         | 1920 | Direct-coupled oil-driven dynamo   |
| 9-42         | 1920 | Direct-coupled steam dynamo  |
| 9-43         | 1920 | Direct-coupled steam dynamos   |
| 9-44         | 1920 | Direct-coupled steam alternator  |
| 9-45         | 1920 | Direct-coupled 3-phase alternators   |
| 9-46         | 1920 | Direct-coupled steam dynamos   |
| 9-47 & 9-48  | 1920 | Direct-coupled steam dynamo  |
| 9-49         | 1920 | Direct-coupled gas-driven dynamos  |
| 9-50         | -    | Madras Power Station   |
| 9-51         | -    | Calcutta Power Station   |
| 9-52         | -    | Power Station  |
| 9-53 & 9-54  | -    | Camberwell, St Giles's Hospital: generator installed 1903                    |
| 9-55         | 1906 | S Africa, Premier Diamond Mines, Transvaal: [6 views, including engine room] |
| 9-56         | 1906 | ----- as above -----: no.4 A.C. set  |
| 9-57 to 9-60 | 1956 | Leiston, Suffolk: Richard Garrett Engineering Works, installed 1916          |
| 9-61         | 1958 | Keighley Power Station: D.C. booster, installed                              |

|      |       |   |
|------|-------|---|
|      |       | 1911  |
| 9-62 | 1925  | Brighton Corp: 1500kw MG set  |
| 9-63 | 1958  | Beginning of Trawsfynnyd Atomic Power Station:<br>Mr Kent & Mr Miller             |
| 9-64 | 1959  | Birmingham, Belliss & Morcom Ltd: 112kw D.C.<br>generator installed 1903          |
| 9-65 | -     | Gainsborough, Marshall Sons & Co Ltd: 125kw<br>D.C. generator installed 1905      |
| 9-66 | 1961? | Cowdenbeath: generator installed 1911   |
| 9-67 | -     | Interior of early power station [Kensington /<br>Westminster?] [ <u>wanting</u> ] |

#### **P10 - Arc Lamps** [1 file]

|               |      |  |
|---------------|------|--|
| 10-1          | -    | Plate of reprint from <u>Pharmaceutical Jnl</u> 1882<br>[ <u>wanting</u> ] |
| 10-2          | -    | Plate of regulating lamp for burning in series 1882<br>[ <u>wanting</u> ]  |
| 10-3          | -    | Arc lamp 1882 [negative photocopy]   |
| 10-4          | -    | Lighting at Alexandra Palace 1882  |
| 10-5          | -    | Arc lamp 1882 [ <u>wanting</u> ]   |
| 10-6          | -    | ----- " -----  |
| 10-7          | 1883 | Interior of K patter arc lamp  |
| 10-8          | 1883 | Interior of DD pattern arc lamp  |
| 10-9          | 1883 | Exterior of DD pattern arc lamp  |
| 10-10         | 1883 | Exterior of K pattern arc lamp   |
| 10-11         | -    | Lighting of London Law Courts 1882 [negative]                              |
| 10-12         | 1883 | Square pattern DD arc lamp for outdoor use                                 |
| 10-13         | 1883 | Pattern DDo arc lamp   |
| 10-14 & 10-15 | 1886 | Arc lamp pole with shadowless hoisting gear [at<br>Tilbury Docks]          |

|       |          |  |
|-------|----------|--|
| 10-16 | 1886     | Table standard and pendants  |
| 10-17 | 1887     | Do arc lamp, interior  |
| 10-18 | 1886 Jan | Arc lamp pole  |
| 10-19 | 1887     | Arc lamp with ornamental reflector                                   |
| 10-20 | [1887?]  | Arc lamp standard, Glasgow   |
| 10-21 | 1901 Jul | Open type arc lamps, types P & S                                     |
| 10-22 | 1901 Jul | Enclosed arc lamps   |
| 10-23 | 1901 Jul | Arc lamps at the Crystal Palace                                      |
| 10-24 | 1902 Mar | Arc lamps at the United Alkali Co's Works, Widnes                    |
| 10-25 | -        | Lighting of Glasgow 1902 [ <u>wanting</u> ]                          |
| 10-26 | -        | Lighting of Birmingham Arcade 1902 [ <u>wanting</u> ]                |
| 10-27 | -        | Lighting of Southport [ <u>wanting</u> ]                             |
| 10-28 | -        | Arc lamp lantern   |
| 10-29 | -        | Arc lamp post at Cardiff Docks                                       |
| 10-30 | -        | Bridge building by arc lamp by E.E.R.E. in S. Africa<br>1899/1900    |
| 10-31 | -        | Lattice arc lamp standard [ <u>wanting</u> ]                         |
| 10-32 | 1935     | Floodlighting of Henry VII chapel, Westminster<br>Abbey              |
| 10-33 | 1885 Nov | Lighting for Lightships  |
| 10-34 | -        | Lighting of dance hall   |
| 10-35 | [1883?]  | DD type arc lamp for outside use                                     |
| 10-36 | -        | Early surge carbon lamp  |
| 10-37 | 1906     | Arc lamps at the Premier Diamond Mines, S.<br>Africa [several views] |
| 10-38 | 1968 Nov | Lighting of Plymouth Hoe 1898  |

|                |          |   |
|----------------|----------|---|
| 10-39          | -        | Lamppost in position at Plymouth after night's blitz [ <u>wanting</u> ] |
| 10-40 to 10-42 | -        | Erecting lampposts in yard 1959 [ <u>wanting</u> ]                      |
| 10-43 & 10-44  | -        | Lamppost in position [ <u>wanting</u> ]                                 |
| 10-45          | -        | Plymouth Hoe photographs & negatives [ <u>wanting</u> ]                 |
| 10-46          | -        | Bird's nest in arc lamp post fro Plymouth 1960                          |
| 10-47          | 1969 Feb | Arc lamp of 1894 in the Historic Collection                             |
| 10-48          | 1969 Feb | Arc lamp of 1878 in Historic Collection                                 |
| 10-49          | 1956 Nov | Midget arc lamp of 1890 from Oaklands Museum in Historic Collection     |
| 10-50 & 10-51  | -        | Arc lamp of 1890 at Morland House                                       |
| 10-52          | 1955     | Woolpit Church, lit 1885  |

### **P11 - Heating & Cooking Apparatus [1 file]**

|       |   |   |
|-------|---|---|
| 11-1  | - | The Electric Kitchen [ <u>wanting</u> ]                           |
| 11-2  | - | Irons: flat, polishing & goose                                    |
| 11-3  | - | Billiard table iron & stand; hat iron                             |
| 11-4  | - | Urns  |
| 11-5  | - | Kettles; hot plate  |
| 11-6  | - | Sterilizing apparatus; bronchitis kettle [ <u>with negative</u> ] |
| 11-7  | - | Frying pan; hot plate [negative]                                  |
| 11-8  | - | Water boiler; curling iron heater [ <u>with negative</u> ]        |
| 11-9  | - | Saucepan; grill [ <u>with negative</u> ]                          |
| 11-10 | - | Glue pot  |
| 11-11 | - | Wrought iron screen radiators [ <u>with negative</u> ]            |
| 11-12 | - | Wall radiator [ <u>with negative</u> ]                            |
| 11-13 | - | Ship and bulkhead radiators [ <u>with negative</u> ]              |

|                                    |      |   |
|------------------------------------|------|---|
| 11-14                              | -    | Tramway heater [ <u>with</u> negative]  |
| 11-14a                             | -    | Ornamental column heater & case radiator  |
| 11-15                              | -    | Ornamental screen radiator & brass banner screen radiator [ <u>with</u> negative] |
| 11-16                              | -    | Screen radiators [ <u>wanting</u> ]   |
| 11-17                              | -    | Oven; hot plate [ <u>wanting</u> ]  |
| 11-18                              | -    | Combined carving table & hot cupboard [ <u>with</u> negative]                     |
| 11-19                              | -    | Hot cupboard [ <u>with</u> negative]  |
| 11-20                              | -    | Hot plate stand [ <u>with</u> negative]   |
| 11-21                              | -    | Large hot plate [ <u>with</u> negative]   |
| 11-22                              | -    | Hot plate; triple hot plate [ <u>with</u> negative]                               |
| 11-23                              | -    | Foot warmer; plate warmer; hot plate [ <u>with</u> negative]                      |
| 11-24                              | -    | Cigar lighters [negative]   |
| 11-25                              | -    | Safety connector [negative]   |
| 11-26                              | -    | Safety wall socket and plug   |
| 11-27                              | -    | Safety connector (exploded view)  |
| 11-28                              | -    | Small oven & hot plate; urn; water boiler; saucepan 1894                          |
| 11-29                              | 1894 | Wall radiator   |
| 11-30 to 11-32                     | -    | Radiator 1894   |
| <b>P12 - Ceiling fans [1 file]</b> |      |   |
| 12-1                               | -    | Early fan 1890  |
| 12-2                               | -    | Fans installed in an Indian museum (Madras?)                                      |
| 12-3                               | -    | Fans installed in an Indian cathedral 192-  |
| 12-4 & 12-5                        | 1920 | Fan with electrolier fitting  |

12-6 - ----- as above ----- 1910

12-7 - Four-bladed fan

**P13 - Instruments [folder removed from Collection in 1966; no photos named in index] [1 file]**

**P14 - Potentiometers [of 8 photos in this section all are wanting] [1 file]**

**P15 - Rotating Plant [2 files]**

|             |                    |   |
|-------------|--------------------|---|
| 15-1        | -                  | Portable electric light plant 1879 [ <u>wanting</u> ]           |
| 15-2        | -                  | Crompton Burgin dynamos 1881 [ <u>wanting</u> ]                 |
| 15-3 / 3a   | -                  | Burgin dynamo 1880 / sectional view of same [ <u>wanting</u> ]  |
| 15-4        | -                  | Verital dynamo 1880 [ <u>wanting</u> ]                          |
| 15-5        | -                  | Burgin dynamo 1883 [ <u>wanting</u> ]                           |
| 15-6        | -                  | ----- " ----- 1879 [ <u>wanting</u> ]                           |
| 15-7        | 1884 Nov           | 5 1/2 x 10 dynamo   |
| 15-8        | -                  | Burgin dynamo 1884 [ <u>wanting</u> ]                           |
| 15-9        | 1885/1886          | Crompton dynamo (largest in the world) [ <u>with 2 copies</u> ] |
| 15-10       | 1885 Apr           | HMS 'Curlew' searchlight set                                    |
| 15-11       | 1885 Aug           | 7 x 10 1/2 dynamo   |
| 15-12       | 1885 Sept          | 9 x 15 dynamo   |
| 15-13       | 1885 Nov           | 7 x 12 1/2 dynamo for lightship 'Star'                          |
| 15-14       | 1886 Jan           | Gramme armature 15 1/2 x 20                                     |
| 15-15       | 1886 Jan           | L type dynamo 15 1/2 x 20                                       |
| 15-16       | 1886 Feb           | 12 x 16 dynamo for steamship 'Celtic'                           |
| 15-17       | 1886 Jan           | Searchlight set   |
| 15-18 & 18a | 1885 Mar /1887 Jul | Tram lighting set / searchlight set                             |

|                |           |  |
|----------------|-----------|--|
| 15-19          | 1886 Jul  | Searchlight set for HMS 'Black Prince'                                       |
| 15-20          | 1888 Jul  | 20 x 20 dynamo   |
| 15-21          | 1887 Sept | Combined Tangye vertical engine & dynamo for steamships 'Oceana' & 'Arcadia' |
| 15-22          | 1887 Sept | 12 x 7 dynamo  |
| 15-23          | [1890?]   | Revolving armature alternators   |
| 15-24          | 1888 Jul  | Gramme armature and armature (drum) of 20 x 20 dynamo                        |
| 15-25 & 15-26  | -         | Brushgear & commutator of 150kw generator 1896                               |
| 15-27          | -         | Early motor generator set (1896?)  |
| 15-28          | -         | Motor with spur gear (1900?)   |
| 15-29 & 15-30  | -         | Motor with worm gear (1900?)   |
| 15-31          | -         | Small motors   |
| 15-32 & 15-32a | -         | Commutator grinding motor  |
| 15-33          | -         | Grinding motor   |
| 15-34          | -         | Partly wound drum type armature  |
| 15-35          | -         | 150kw copper alternator 1899/1900  |
| 15-36          | -         | Brush holder designs 1878-1905 <u>[wanting]</u>                              |
| 15-37          | 1905      | 750kw DC generators  |
| 15-38          | -         | Loom motor 1915  |
| 15-39 / 39a    | 1919/1914 | 100kw geared turbo generator / generating station with diesel engines        |
| 15-40          | -         | Armature of runaway motor  |
| 15-41          | -         | D.E. view of runaway motor   |
| 15-42          | -         | E.H.T. auto synchronous motor-generators [on glass]                          |

|               |         |  |
|---------------|---------|--|
| 15-43         | -       | Section of class F motor 1950  |
| 15-44         | -       | Petrol driven generator with filter                                  |
| 15-45 / 45a   | [1920?] | 3 phase steam alternator & exciter / diesel engine-driven generators |
| 15-46         | -       | Steam driven dynamo 1886   |
| 15-47         | 1920    | Direct-current motor fitted with auxiliary poles                     |
| 15-48         | 1920    | 750kw continuous current generators erected on test beds             |
| 15-49         | 1920    | Combined booster & balancer  |
| 15-50         | 1920    | Balancing machine for three-wire system                              |
| 15-51         | 1920    | Automatic reversible booster for three-wire system                   |
| 15-52         | 1920    | Alternating current induction motors                                 |
| 15-53         | -       | 2600 HP A/S motors   |
| 15-54         | 1919    | Portable M/G sets for welding  |
| 15-55         | -       | Drilling machine   |
| 15-56         | -       | Large two pole generators  |
| 15-57         | 1897    | Side pole alternator (single phase) [2 copies]                       |
| 15-58         | -       | DC motor   |
| 15-59 & 15-60 | -       | Dismantled DC small motor c 1905                                     |
| 15-61 & 15-62 | -       | Small DC motor c 1905  |
| 15-63         | 1955    | Motor at North Walsham, installed in 1890 and still running          |
| 15-64         | -       | Motor in Science Museum  |
| 15-65         | -       | Small rotary convertor 1908/1910                                     |
| 15-66         | -       | Large generator 1897   |
| 15-67         | -       | Old motor at West Ham Technical College                              |



|               |      |   |
|---------------|------|---|
| 15-68         | -    | Crompton dynamo coupled direct to Tangye horizontal compound engine, for SS 'Majestic' & 'Teutonic' |
| 15-69 & 15-70 | 1957 | Generator in Taunton Museum   |
| 15-71         | -    | Motor driven circular saw 1892-1900   |
| 15-72         | 1961 | 1/2 HP motor, 1888, presented to Birla Industrial Museum, Calcutta [ <u>wanting</u> ]               |
| 15-73         | 1959 | Motor from Courtauld Ltd  |
| 15-74         | -    | Machine no. 3365 from Historic Collection [ <u>wanting</u> ]  |
| 15-75         | 1961 | Machine no. 144970  |
| 15-76         | -    | Machine no. 6913 [ <u>wanting</u> ]   |
| 15-77         | 1961 | 3 HP motor 1912   |
| 15-78 & 15-79 | -    | Generator at Morland House  |
| 15-80         | -    | Instructions re starting and working Crompton dynamos & motors                                      |
| 15-81         | 1962 | 10 HP motors  |
| 15-82         | 1962 | Generator from Morland House  |
| 15-83         | -    | Motor at Burton on Trent sewage pumping station   |
| 15-84 & 15-85 | 1957 | Generating set on 'Mayflower'   |
| 15-86         | -    | Welding set 1920?   |
| 15-87         | -    | Motor driving colliery hoist  |
| 15-88         | -    | Six phase rotary convertor and booster  |
| 15-89         | -    | Frequency changer set   |
| 15-90         | -    | AC motor driving pan condenser  |
| 15-91         | -    | Old alternator on test with synchroscope for BBC [ <u>wanting</u> ]                                 |

**P16 - Searchlights [1 file]**

|                |           |   |
|----------------|-----------|---|
| 16-1           | 1885      | Parabolic reflector with hand regulator lamp  |
| 16-2           | 1885 Jun  | 20" & 24" projectors for Navy   |
| 16-3           | 1885      | 36" projector [ <u>wanting</u> ]  |
| 16-4           | 1887 Jul  | 16" projector for Dutch navy  |
| 16-5           | 1899      | Mounted projector   |
| 16-6           | 1899      | ----- " ----- for Boer War  |
| 16-7           | -         | Carbon arrangement  |
| 16-8           | 1899      | Mounted projectors for Boer War   |
| 16-9 & 16-9a   | 1899      | ----- as above -----  |
| 16-10          | 1899      | ----- as above -----  |
| 16-11 to 16-16 | -         | Projectors (for Spain)  |
| 16-17          | -         | Projector (for Spain) / Crompton-Mackintosh / 1903 reversible booster on the test bed [2 items] |
| 16-18 to 16-25 | -         | Projectors (hand-controlled)  |
| 16-26 & 16-27  | -         | Carbon arrangement  |
| 16-28          | -         | Final assembly  |
| 16-29          | -         | Resistance box  |
| 16-30          | -         | Projectors for surface mining at Jagersfontein Diamond Mines, S. Africa                         |
| 16-31 & 31a    | 1906/1915 | 36" field service projector equipment / anti-aircraft 24" projectors                            |
| 16-32, 32a-c   | 1909      | Field service projectors in Istanbul [4 items]  |
| 16-33          | -         | Small projector   |
| 16-34 to 16-37 | 1914      | Projectors  |
| 16-38          | -         | 60" projectors, motor-controlled  |
| 16-39          | -         | Projector on extendable mounting  |
| 16-40          | -         | ----- as above ----- 1910   |

|               |   |   |
|---------------|---|---|
| 16-41         | - | Limber for elevated searchlight 1910      |
| 16-42         | - | Limber with searchlight & cable reel 1910 |
| 16-43         | - | Remote control for searchlight 1910       |
| 16-44         | - | Horse-drawn limber with generator 1910    |
| 16-45         | - | ---- as above ---- with searchlight 1910  |
| 16-46 & 16-47 | - | Assembly searchlight 1910                 |

### **P17 - Traction [1 file]**

|             |          |   |
|-------------|----------|---|
| 17-1        | 1887 Mar | Elison tram car - motor & gearing   |
| 17-2        | -        | ----- " ----- - plan of motor & gearing 1887                                    |
| 17-3        | -        | ----- " ----- - elevation of motor & gearing 1887                               |
| 17-4        | -        | Locomotive car 1887   |
| 17-5 & 17-6 | -        | Southend Pier Railway 1890  |
| 17-7        | -        | Motor of Southend Pier Railway 1890   |
| 17-8        | -        | Copy of letter from Southend Corp., 1892 Oct                                    |
| 17-9        | -        | Locomotive motor no. 21 1896  |
| 17-10       | -        | Drawing of locomotive motor no. 21 1896   |
| 17-11       | -        | Side & end elevation of locomotive no.21 1896                                   |
| 17-12       | -        | Drawing of series-parallel controller 1896                                      |
| 17-13       | -        | Diagram of connections of series-parallel controller 1896                       |
| 17-14       | -        | Series-parallel   |
| 17-15       | 1896     | City & S. London Rly. locomotive [2 items, <u>with</u> later copy of one]       |
| 17-16       | -        | ----- as above ----- 1896   |
| 17-17       | -        | CMB electric bus 1909 [ <u>with</u> later copy and positive film strip of same] |

|               |      |   |
|---------------|------|---|
| 17-17a        | -    | Diagram re connections in the Burge-Macfarlane transformer system as applied to the Crompton electric bus |
| 17-18         | 1885 | Electric tram car [ <u>with</u> negative print]   |
| 17-19         | -    | Southend Rly 1949   |
| 17-20         | -    | L.M.S. Railways diesel electric shunter   |
| 17-21         | -    | Crompton Parkinson diesel electric shunter  |
| 17-22         | 1896 | Complete motor for Crompton gearless locomotive   |
| 17-23         | 1951 | Bogie going to Festival of Britain  |
| 17-24 & 17-25 | 1959 | Presentation of City & S. London Rly motor to Science Museum [Director Dr Morrison-Scott present]         |
| 17-26 & 17-27 | -    | City & S. London Rly motor 1900 [ <u>wanting</u> ]  |
| 17-28         | -    | Drawing of original Southend Pier c 1830  |
| 17-29         | -    | Southend Pier Rly -1889   |
| 17-30         | -    | ---- as above --- - horse-drawn   |
| 17-31         | 1950 | ---- as above --- - from the air [postcard]   |
| 17-32         | 1950 | ---- as above --- - new electric train [postcard]   |
| 17-33         | 1950 | ---- as above --- [postcard]  |
| 17-34         | -    | City & S. London Rly - locos at Hunslets Works  |

### **P18 - Switchgear [1 file]**

|      |            |   |
|------|------------|---|
| 18-1 | -          | DC board - 3 gens & feeders, gravity breakers & chopper switches c. 1905  |
| 18-2 | c1905-1910 | DC board - CBH breakers & gravity earth breaker [ <u>with</u> later copy] |
| 18-3 | 1909       | CMB in street pillar with starting gear                                   |
| 18-4 | -          | Small DC generator panels c 1915  |
| 18-5 | -          | AC 3 phase LV board c 1915  |

|                |       |  |
|----------------|-------|--|
| 18-5a          | c1915 | ----- as above ----, back view                                     |
| 18-6 & 18-6a   | c1915 | AC 3 phase HV board  |
| 18-7 & 18-7a   | c1916 | AC 2 phase board   |
| 18-8 & 18-8a   | 1917  | AC board for Admiralty   |
| 18-9 & 18-9a   | c1917 | Cubicle board, rotating isolators                                  |
| 18-10          | c1917 | DC board with Ellison breakers                                     |
| 18-11          | 1918  | Battery board  |
| 18-12          | c1918 | Marble DC boards   |
| 18-13 & 13a    | 1925  | Parts of OCB   |
| 18-14 & 18-14a | 1924  | Semi-automatic battery charging board                              |
| 18-15          | 1924  | 5 amp fixed over current relay                                     |
| 18-16          | 1924  | Rotary type isolating switch, partly assembled                     |
| 18-16a         | 1924  | ----- as above -----, parts  |
| 18-17          | 1920  | Kohler printing press controller                                   |
| 18-18          | -     | Admiralty type regulator 1918                                      |
| 18-19          | -     | HV test prod 1911?   |
| 18-20          | 1920  | Continuous current power station switchboard                       |
| 18-21          | 1920  | Power station switchboard (for 3 phase alternating current supply) |
| 18-22          | 1920  | Small central station switchboard                                  |
| 18-23          | -     | Dumbarton switchboard 1906   |
| 18-24          | -     | Switchboard 1918/1919  |
| 18-25          | -     | ---- " ---- 1919/1920  |
| 18-26          | -     | ---- " ---- 1920/1921  |
| 18-27          | -     | ---- " ---- 1923/1924, marble base                                 |

|               |       |   |
|---------------|-------|---|
| 18-28         | -     | ----- as above -----, horizontal edgewise instruments |
| 18-29         | -     | Back view of above                                    |
| 18-30         | -     | Switchboard 1925                                      |
| 18-31         | -     | Early truck 1924/1925, interior                       |
| 18-32         | -     | ----- as above -----, general view                    |
| 18-33         | -     | Kohler printing press board                           |
| 18-34 & 18-35 | -     | HT cubicle 1925                                       |
| 18-36 & 18-37 | -     | Kohler printing press board 1926, rear view           |
| 18-38 & 18-39 | -     | Switchboard 1924, rear view                           |
| 18-40         | c1900 | DC switchboard  |
| 18-41 & 18-42 | -     | Ironclad switch panels 1910                           |
| 18-43         | -     | Small battery charging board (?) 1910                 |
| 18-44         | -     | Small house lighting switchboard 1910                 |
| 18-45 & 18-46 | -     | Oil circuit breaker                                   |
| 18-47 & 18-48 | 1910  | HT switchboard  |
| 18-49         | 1910  | Synchronising panel                                   |
| 18-50         | 1910  | Top view of HT switchboard                            |
| 18-51         | 1910  | ----- as above -----, without shields                 |
| 18-52         | 1910  | Feeding panel   |
| 18-53         | 1910  | Alternator panel                                      |
| 18-54         | -     | Switchboard at 'Kent Messenger'                       |
| 18-55         | -     | OCB, installed 1916                                   |
| 18-56         | -     | Switchboard at Morland House 1890                     |
| 18-57         | -     | Switchboard [ <u>wanting</u> ]                        |

**P19 - Miscellaneous [1 file]**

|                |          |   |
|----------------|----------|---|
| 19-1           | -        | Conduit system of mains at Studley Royal, Ripon 1886 <u>[wanting]</u>                   |
| 19-2           | -        | Underground system of mains <u>[wanting]</u>  |
| 19-3           | -        | Misc strip 1892 <u>[wanting]</u>  |
| 19-4           | -        | Sidney Melson with reel of telephone wire on bicycle, EERE, S. Africa 1899              |
| 19-5           | 1904     | 300 KVA transformer   |
| 19-6           | -        | Sight feed lubricator 1886 <u>[wanting]</u>   |
| 19-7           | 1886     | Dennis valve  |
| 19-8           | 1886     | ---- " ----- for high pressure  |
| 19-9 & 19-10   | 1886 Jan | Interior of south Engine House at Tilbury Docks   |
| 19-11          | -        | S. S. 'Colonel Crompton' at sea   |
| 19-12          | -        | Samuel Crompton's mule spinning frame (replica)(Science Museum photo) [postcard]        |
| 19-13          | [1934]   | REBC at opening of Pleasley Colliery pit head baths                                     |
| 19-14          | -        | Pleasley Colliery   |
| 19-15          | -        | Cromptonian Dinner 1950 <u>[wanting]</u>  |
| 19-16 & 19-17  | -        | Part of tunnel from REBC's Kensington Court generating station(in service 1886)         |
| 19-18          | -        | Copper strip system of underground mains, Princes Gardens, Kensington (in service 1886) |
| 19-19 to 19-22 | -        | ----- as above ----- <u>[wanting]</u>   |
| 19-23          | -        | Copper strip system of underground mains, Exhibition Rd, Kensington                     |
| 19-24          | -        | ----- as above ----- <u>[wanting]</u>   |
| 19-25          | -        | Thriplands, Kensington  |
| 19-26 & 19-27  | -        | ----- " -----, experiments in laboratory  |

|                |   |  |
|----------------|---|--|
| 19-28 to 19-30 | - | The Renard Road Train  |
| 19-31          | - | Stand at Turin Exhibition 1884   |
| 19-32          | - | Engine of White Steam Car  |
| 19-33          | - | Crompton Howell accumulator c 1886   |
| 19-34          | - | Crompton & Co's exhibit at St Louis Exhibition 1904                        |
| 19-35          | - | Bethulie Bridge, S. Africa 1899  |
| 19-36          | - | Cromptonian Assoc: President's medal                                       |
| 19-37          | - | Steam traction engines crossing river in S. Africa                         |
| 19-38          | - | Crompton Howell central station cell [ <u>with photocopy</u> ]             |
| 19-39          | - | Battery room, Notting Hill [ <u>photocopy</u> ]                            |
| 19-40          | - | Crompton Howell cells [ <u>photocopy</u> ]                                 |
| 19-41 & 19-42  | - | Parts of steam car?  |
| 19-43          | - | Thorneycroft steam wagons  |
| 19-44          | - | Marshall traction engine   |
| 19-45          | - | Bridge over the Jhelum (India) with Crompton road engine converted to loco |
| 19-46 to 19-49 | - | Insulator for underground mains, Kensington 1886 [ <u>wanting</u> ]        |
| 19-50          | - | Underground mains, Kensington installed 1886 [ <u>wanting</u> ]            |
| 19-51          | - | ----- " -----, Studley Royal, Ripon [ <u>wanting</u> ]                     |
| 19-52          | - | S. S. 'Arcadia' 1888   |
| 19-53          | - | Excess speed alarm for vehicles 1909 [ <u>see C196</u> ]                   |
| 19-54          | - | Wiring slide rule 1890   |
| 19-55          | - | Bridge in Waterhouse Lane  |



|                |          |   |
|----------------|----------|---|
| 19-56 to 19-58 | -        | Illuminated address to Mr W C C Turner by Commercial Instrument Conference 1952 after 33 years representing Crompton & Co |
| 19-59          | -        | Crompton Parkinson long service (10 years) badge (pre-1940)   |
| 19-60          | -        | ----- as above ----- (35 years) badge (post-1945)   |
| 19-61          | -        | Burial urns unearthed at Chelmsford Works 1901  |
| 19-62 to 19-66 | 1963 Oct | First World War tanks of REBC's design  |

**S - Specifications [i.e. product leaflets, brochures, illustrations etc, unless otherwise stated]**

**S1 - Lighting [file]**

|   |          |   |
|---|----------|---|
| 1 | 1890     | DD pattern, arc lamps                   |
| 2 | 1894     | Crompton-Pochin arc lamps               |
| 3 | 1912 Jun | Street Lighting [booklet]               |
| 4 | 1912     | Shop Lighting [ <u>wanting</u> ]        |
| 5 | 1912     | Efficient industrial lighting [booklet] |
| 6 | 1932     | Crompton lamps [ <u>wanting</u> ]       |
| 7 | 1902 May | The Crompton 'S' type arc lamp          |
| 8 | 1912?    | Chelmsford 'enclosed' arc lamp          |
| 9 | 1912?    | Crompton inverted arc lamps             |

**S2 - Convertors [file wanting]**

**S3 - Ceiling fans [file]**

|   |          |   |
|---|----------|---|
| 1 | 1920 Oct | Instructions for installing & maintaining Crompton ceiling fans |
| 2 | 1922 Apr | ----- as above -----  |
| 3 | 1931 Dec | Crompton DC ceiling fans  |
| 4 | 1935 Dec | Crompton ceiling fans [2 copies]                                |

|   |          |                          |
|---|----------|--------------------------|
| 5 | 1937 Feb | Crompton DC ceiling fans |
| 6 | 1937 Nov | Crompton AC ceiling fans |
| 7 | 1938 Dec | ----- as above -----     |
| 8 | 1939 Feb | Crompton DC ceiling fans |
| 9 | 1938 Nov | Crompton ceiling fans    |

#### **S4 - Instruments [bundle]**

|    |           |   |
|----|-----------|---|
| 1  | 1904 Feb  | The Crompton potentiometer  |
| 2  | 1906 Jan  | Electrical pyrometers (direct reading)  |
| 3  | 1915 Jul  | Moving coil & moving iron electrical instruments (including ammeters and voltmeters) [3 pp]   |
| 4  | 1917 May  | Admiralty pattern moving coil instruments   |
| 5  | 1918 Jul  | Instructions for using leakage indicators for two wire CC insulated circuits  |
| 6  | 1919 Jan  | Electrical instruments  |
| 7  | 1919 Sept | Crompton I.1 potentiometer. Instructions for fitting new slide wire   |
| 8  | 1920 Feb  | Moving iron instruments. Standard scales  |
| 9  | 1921 Sept | <u>Experiments with the slide-wire bridge. A handbook for use in the electrical laboratory by David Robertson. [Published by Crompton &amp; Co Ltd]</u> |
| 10 | 1931 Aug  | Electrical laboratory apparatus   |
| 11 | 1928 Apr  | ----- as above -----  |
| 12 | 1902 Aug  | The Crompton potentiometer  |
| 13 | 1912 May  | Electrical plant for educational and experimental purposes  |
| 14 | 1938 Aug  | Crompton-Robertson combination bridge and potentiometer   |
| 15 | -         | A few types of Crompton moving coil and moving iron electrical instruments  |

|    |                  |   |
|----|------------------|---|
| 16 | -                | Crompton admiralty pattern ammeters and voltmeters  |
| 17 | -                | Cell testing voltmeter  |
| 18 | -                | Double instrument pattern portable testing sets   |
| 19 | -                | Crompton 'D' pattern moving coil voltmeter/Crompton portable testing set for continuous current |
| 20 | -                | Crompton moving coil voltmeter. 'A' pattern flush type  |
| 21 | -                | Moving iron ammeter. Pattern 'KA'   |
| 22 | 1930 Aug-1946    | The 'AC' Test and Power Factor Demonstrator   |
| 23 | May<br>1941-1945 | Educational instruments   |

#### **S5 - Plant [bundle]**

|    |          |  |
|----|----------|--|
| 1  | 1901 Jul | 150 KW Crompton multipolar dynamo DC to Marshall compound engine               |
| 2  | 1901 Jul | Southampton station: generating plant  |
| 3  | 1902 Mar | ----- as above -----   |
| 4  | 1901 Nov | Harrow station. Generating plant   |
| 5  | 1901 Dec | Glasgow Corporation Electricity Works: Crompton 850 KW generator               |
| 6  | 1901 Dec | ----- as above -----: Crompton 290 KW generator                                |
| 7  | 1902 Mar | Illustrated descriptive catalogue: continuous current bipolar dynamos & motors |
| 8  | 1902 Apr | Crompton patent motor driven high efficiency boiler feed pump                  |
| 9  | 1902 Apr | 870 KW mutipolar generator   |
| 10 | 1902 May | West Hartlepool electricity works  |
| 11 | 1902 Jun | 30-cwt 2-motor warehouse cranes  |

|    |          |   |
|----|----------|---|
| 12 | 1904 Mar | Crompton 3-phase motors driving patent centrifugal machines by Watson, Laidlaw & Co                       |
| 13 | 1904     | Crompton 750 KW multipolar dynamo   |
| 14 | 1904     | Continuous current dynamo, multipolar type  |
| 15 | 1904     | Crompton 450 KW multipolar generator, coupled direct to Willans engine                                    |
| 16 | 1909 Nov | Electrical mining equipments  |
| 17 | 1910     | Crompton [booklet of 47 pp of illustrations of electrical equipment, each named]                          |
| 18 | 1910     | 3-phase synchronous motors on test  |
| 19 | 1914 Apr | Instructions for fixing and running continuous current and alternating current dynamos and motors [board] |
| 20 | 1916 Dec | Electric winding engines at the Mount Vernon collieries, Glasgow [2 copies]                               |
| 21 | 1921 Dec | Polyphase self-starting synchronous motors  |
| 22 | 1923 Apr | Alternators. 25 to 60 cycles, revolving field type  |
| 23 | 1923 Aug | Auto-synchronous motors [2 copies]  |
| 24 | 1925 Jul | Power factor improvement by the use of auto-synchronous motors  |
| 25 | 1926 May | Rotary converters [2 copies]  |
| 26 | 1926 Apr | Alternators. 50 cycles [2 copies]   |
| 27 | 1926 Aug | Power factor improvement with Crompton auto-synchronous motors [2 copies]                                 |
| 28 | 1927 Mar | Generating plant  |
| 29 | 1927 Apr | Mining electrical plant [2 copies]  |
| 30 | 1927 Jan | Electrical plant in paper mills   |
| 31 | 1927 May | Dock electrical plant   |
| 32 | 1927 May | Marine electrical plant   |

|    |          |  |
|----|----------|--|
| 33 | 1927 May | Substation electrical plant  |
| 34 | 1927 Jun | Electrical plant for refrigeration   |
| 35 | 1927 Jun | Electrical pumping plant   |
| 36 | 1928 May | Some of the more important installations of Crompton Parkinson rotary convertors [2 copies]  |
| 37 | 1929     | Offprint: 'The Loss of Power Factor Correction' by C S Buyers (and discussion) from <u>The Mining Electrical Engineer</u> [2 copies] |
| 38 | 1938 Nov | Paper: 'Reduction in Work Costs by Power Factor Improvement' by P Conley read before the Belfast Assoc. of Engineers [2 copies]      |
| 39 | 1917 Feb | Dimensions of protected type AC motors   |
| 40 | 1917 Feb | Impregnating plant for electric windings [2 copies]  |
| 41 | 1919 Jul | Electrically driven wood-working machinery   |
| 42 | 1919 Jun | Dimensions of alternating current motors   |
| 43 | 1921 Jul | Electrical driving of machine tools  |
| 44 | 1922 Jun | Polyphase self-starting synchronous motors   |
| 45 | 1922 Jun | Large polyphase induction motors   |
| 46 | 1924 Mar | Dimensions of small AC motors  |
| 47 | 1924 Mar | Dimensions of AC induction motors 'A' type with ball bearings  |
| 48 | 1924 Mar | ----- as above ----- with sleeve bearings  |
| 49 | 1924 May | Specification of steel clad DC motors  |
| 50 | 1924 Jun | Specification of alternating current induction motors...   |
| 51 | 1924 Jun | Specification of small AC induction motors   |
| 52 | 1924 Jul | Output sheet: 'A' type two and three phase induction motors, 50 cycles   |
| 53 | 1925 Jan | Output sheet: 'A' type three phase induction   |

|    |          |   |
|----|----------|---|
|    |          | motors, 60 cycles   |
| 54 | 1925 Jan | Output sheet: 'A' type three phase induction motors, 40 cycles  |
| 55 | 1925 Jan | ----- as above -----, 25 cycles   |
| 56 | 1925 Feb | Dimensions of AC drip-proof, pipe ventilated & totally enclosed machines, sleeve bearings             |
| 57 | 1925 Feb | ----- as above -----, ball & roller bearings  |
| 58 | 1925 Oct | Revised dimensions of direct current machines   |
| 59 | 1925 Oct | Specification of direct current machines  |
| 60 | 1925 Dec | Three-phase induction motors  |
| 61 | 1926 Feb | Dimensions of alternating current motors (two-bearing type)   |
| 62 | 1926 Feb | ----- as above ----- (three-bearing type with belt pulleys)   |
| 63 | 1926 Feb | Dimensions of standard small AC ball bearing motors   |
| 64 | 1926     | Three-phase motors  |
| 65 | 1926 Aug | Dimensions of standard small AC sleeve bearing motors   |
| 66 | 1926 Nov | Performance on short circuit of Crompton 750KW rotary converter                                       |
| 67 | 1914 Jun | Main winding engines  |
| 68 | 1915 May | Offprint: 'Electric Supply at Karachi, India' from <u>The Electrician</u> [2 copies, one a photocopy] |
| 69 | 1917 May | Specification of continuous current machines  |
| 70 | 1917 Jan | Specification of open type induction motors with pedestal bearings                                    |
| 71 | 1928 Jan | Auto-synchronous motors   |
| 72 | 1920 Apr | Direct current generators. Open bracket type  |
| 73 | 1926 Dec | Dimensions of one-bearing alternators (single,  |

|    |          |  |
|----|----------|--|
|    |          | two and three-phase]   |
| 74 | 1928 Jun | Dimension sheet: Revolving field alternators, 3-bearings, ball and roller                                    |
| 75 | 1928 Apr | ----- as above -----, 2-bearings, ball and roller  |
| 76 | 1928 Apr | ----- as above ----- with pedestal sleeve bearings   |
| 77 | 1923 Nov | Steel clad DC motors, intermittent rating  |
| 78 | 1920 Feb | Direct current motors, protected type  |
| 79 | 1926 Jan | ----- as above -----, enclosed ventilated type   |
| 80 | 1935 May | Trolley bus electrical equipment   |
| 81 | 1930 Aug | Rotary convertors  |
| 82 | 1920?    | Three-phase auto-synchronous 8000 volt 50 cycle 500 RPM motor, driving two 750 KW 230/280 volt DC generators |
| 83 | 1912?    | Revolving field system of large alternator   |
| 84 | 1911     | Crompton main winding gear   |
| 85 | 1912?    | Crompton standard steam-driven alternator and exciter  |
| 86 | 1912?    | Strator of large alternator  |
| 87 | 1912?    | Standard alternator and exciter  |
| 88 | 1912?    | Crompton standard 3-phase alternator with exciter  |
| 89 | 1912?    | 310 KVA, three-phase alternator, 25 cycles, 300 RPM  |
| 90 | 1912?    | Gas driven HT Crompton alternators and exciters  |
| 91 | 1912?    | Small 3-phase alternator and exciter   |
| 92 | 1912?    | Three-phase HT alternators on test bed   |
| 93 | 1912?    | Crompton 450 KW multipolar generator, coupled direct to Willans engine                                       |

|     |       |  |
|-----|-------|--|
| 94  | 1912? | Crompton continuous current (crankshaft type) armature   |
| 95  | -     | Protected type variable speed CC motor driving 12in. lathe   |
| 96  | -     | 100 BHP protected type continuous current motors driving high pressure hydraulic pumps through gearing |
| 97  | -     | Six-phase rotary converter   |
| 98  | -     | Six-phase rotary converter and starting motor  |
| 99  | -     | Three-phase rotary converter   |
| 100 | -     | Crompton standard squirrel cage rotor  |
| 101 | -     | Totally enclosed CC polishing motor  |
| 102 | -     | Protected continuous current motor driving 'Heenan' cooler and pump                                    |
| 103 | 1912  | Crompton protected type CC motors driving machine tools and line shafting                              |
| 104 | 1912  | Protected type AC motor driving colour grinding machine  |
| 105 | 1912  | Crompton protected type motor driving planing machine  |
| 106 | 1912  | Protected type AC slip-ring motor with worm gear   |
| 107 | 1912  | Protected type AC motor driving agitator   |
| 108 | 1912  | Standard protected type CC motor driving 3-throw hydraulic pump  |
| 109 | -     | Crompton protected type induction motor driving cylinder boring machine                                |
| 110 | -     | Totally enclosed CC motor driving bolt forging machine   |
| 111 | -     | Crompton protected type motor driving radial drill   |
| 112 | -     | Standard CC motor with reduction gearing   |



|     |           |   |
|-----|-----------|---|
| 113 | -         | Crompton totally enclosed CC motor driving grinding machine             |
| 114 | -         | Three-phase squirrel cage motor driving centrifugal fan                 |
| 115 | -         | Protected type CC motor driving air and circulating pumps               |
| 116 | -         | Electric capstan for hauling in docks, railway goods yards etc          |
| 117 | -         | Steam driven set with protected type dynamo (Belliss & Morcom engine)   |
| 118 | -         | Open bracket type CC generator driven by Boulton and Paul petrol engine |
| 119 | -         | Crompton dynamo direct coupled to Ransome engine                        |
| 120 | -         | Small continuous current motor generator set, open bracket type         |
| 121 | -         | Open bracket type CC motor generator set                                |
| 122 | -         | Heavy current motor generator set                                       |
| 123 | -         | Scherzer Bridge electrically operated on Crompton system of control     |
| 124 | 1923 Dec  | Spur reduction gears for standard DC motors                             |
| 125 | 1917 Feb  | Dimensions of continuous current machines                               |
| 126 | 1926 Sept | Revised dimensions of direct current machines                           |
| 127 | 1920 Jul  | Dimensions of direct current machines                                   |
| 128 | 1927 May  | Revised dimensions of direct current machines                           |
| 129 | 1917 Feb  | Dimensions of continuous current machines                               |
| 130 | 1920 Jul  | Dimensions of direct current machines                                   |
| 131 | 1926 Jun  | Dimensions of direct current 'B' type machines                          |
| 132 | 1917 Apr  | Dimensions of standard continuous current motors with reduction gears   |

|     |          |  |
|-----|----------|--|
| 133 | 1916 Jun | Dimensions of open type continuous current machines with one pedestal bearing, coupling and bedplate   |
| 134 | 1916 Nov | Dimensions of open type continuous current machines with two pedestal bearings and bedplate            |
| 135 | 1925 Oct | Dimensions of open type direct current machines with two pedestal bearings and bedplate                |
| 136 | 1916 Jun | Dimensions of open type continuous current machines with three pedestal bearings and bedplate          |
| 137 | 1925 Oct | Dimensions of open type direct current machines with three pedestal bearings and bedplate              |
| 138 | 1916 Jun | Dimensions of open type continuous current machines with one pedestal bearing, coupling and soleplates |
| 139 | 1916 Jun | Dimensions of open type continuous current machines with two pedestal bearings, coupling and bedplate  |
| 140 | 1917 Feb | Dimensions of protected type AC motors   |
| 141 | 1917 Jan | ----- as above -----   |
| 142 | 1917 Apr | Dimensions of alternating current motors with reduction gears  |
| 143 | 1915 Nov | Dimensions of alternating current motors   |
| 144 | 1919 Jun | ----- as above -----   |
| 145 | 1919 Jun | ----- as above -----   |
| 146 | 1919 Jun | Dimensions of continuous current motors  |
| 147 | 1919 Jun | ----- as above -----   |
| 148 | 1920 Jun | Dimensions of direct current machines  |
| 149 | 1920 May | Dimensions of 3-bearing direct current machines  |
| 150 | 1922 Oct | Dimensions of direct current crane motors  |
| 151 | 1923 Feb | Approximate dimensions of small AC motors  |

|     |           |  |
|-----|-----------|--|
| 152 | 1926 Feb  | Dimensions of standard small AC ball bearing motors  |
| 153 | 1926 Aug  | Dimensions of standard small AC sleeve bearing motors  |
| 154 | 1916 Sept | Dimensions of standard continuous current machines   |
| 155 | 1920 Jun  | Dimensions of standard direct current machines   |
| 156 | 1920?     | Dimensions of one-bearing alternators  |
| 157 | 1920?     | Dimensions of two-bearing alternators  |
| 158 | 1920?     | ----- as above -----   |
| 159 | 1920?     | Dimensions of three-bearing alternators  |
| 160 | 1926 Oct  | Dimensions of AC protected & enclosed ventilated induction motors, 'A' type. Ball or roller bearings |
| 161 | 1925 Dec  | Dimensions of protected & enclosed ventilated 'A' type induction motors (sleeve bearings)            |
| 162 | 1926 Dec  | Dimensions of ball bearing induction motors with reduction gear                                      |
| 163 | 1926 Dec  | Dimensions of sleeve bearing induction motors with reduction gear                                    |
| 164 | 1926 Dec  | Dimensions of ball bearing induction motors with reduction gear                                      |
| 165 | 1926 Oct  | Dimensions of open type direct current generators with pedestal bearings                             |
| 166 | 1934 Sept | The 'Minor' story in miniature [booklet]   |
| 167 | 1922 Jun  | Polyphase self-starting synchronous motors   |
| 168 | 1916 Jun  | Polyphase induction motors for 25 to 60 cycle circuits. Open type with pedestal bearings             |

**S6 - Searchlights [file]**

|   |           |                                   |
|---|-----------|-----------------------------------|
| 1 | 1910 Jul  | 24 inch projector, 'Naval' type   |
| 2 | 1916 Sept | Searchlight projectors [2 copies] |

3 1912? 24 inch projector 'Naval' type

### **S7 – Transformers**

1 1928 Aug Standard specification, core type transformers [2 copies]

2 1948 May A World Transformed 1898-1948 [booklet published by The British Electric Transformer Co Ltd / Crompton Parkinson Ltd] [2 copies]

### **S8 - Pulls from printing blocks [wanting]**

### **S9 - Switch gear**

1 1901 Sept Northampton station – switchboard

2 1902 Mar Bermondsey station – switchboard

3 1902 Mar Canterbury station – switchboard

4 1902 Mar Peterboro' station – switchboard

5 1902 Mar Stockport station - main and battery switchboards

6 1902 Mar Southampton station – switchboard

7 1918 Jan Main switchboards [2 copies]

8 1921 Jul Semi-automatic house lighting switchboards

9 1945 Thermal rating by Hastbury [wanting]

10 1902 Apr Switchboards and switch gear

11 1901 May Crompton automatic cut outs, for continuous current circuits only

12 1937 Apr Control gear for repulsion-induction motors

13 1912? Crompton three-phase EHT main switchboard showing busbars and isolating switches

14 1912? Main switchboard with generator, booster, balancer and feeder panels

15 - Semi-automatic house lighting switchboards for charging batteries and running direct on lights

16 - High and low tension AC drawout cubicles

|    |          |  |
|----|----------|--|
| 17 | 1922     | High tension AC draw-out cubicles  |
| 18 | 1921 Jul | Semi-automatic house lighting switchboards   |
| 19 | 1924 Apr | Semi-automatic switchboards for the control of house lighting plants. Ironclad type 'SD' pattern |

**1 - Product catalogues, brochures etc of Crompton & Co / Crompton Parkinson Ltd**

|      |           |   |
|------|-----------|---|
| 1/1  | -         | Recommendations for installation and operation of Crompton 'Minor' DC motors, class 'S' |
| 1/2  | -         | Parkinson Motors. Guaranteed for 7 years  |
| 1/3  | 1926 Aug  | Power factor improvement with Crompton auto-synchronous motors                          |
| 1/4  | 1929 Nov  | Installation and maintenance of Parkinson AC motors                                     |
| 1/5  | 1929 Jul  | Some users of Crompton Parkinson transformers   |
| 1/6  | 1930 May  | At the cinema with Crompton Parkinson   |
| 1/7  | 1932 Jul  | Care and maintenance of Crompton 'Minor' repulsion-start induction motors               |
| 1/8  | 1934 Mar  | The reduction of Electric Power costs [2 copies]  |
| 1/9  | 1935 Sept | ----- as above -----  |
| 1/10 | 1935 May  | Crompton switchgear   |
| 1/11 | 1936 Nov  | Plant index [booklet]   |
| 1/12 | 1935 Oct  | Installation and operating instructions for Crompton 'Minor' motors                     |
| 1/13 | 1936 Apr  | Crompton fans   |
| 1/14 | 1936 Apr  | Prices of Crompton 'Minor' motors   |
| 1/15 | 1945 Jul  | Lighting for cotton   |
| 1/16 | 1946 Mar  | A general survey of the Electrical Equipment manufactured by Crompton Parkinson         |
| 1/17 | 1947 Nov  | Lighting for wool   |

|      |           |   |
|------|-----------|---|
| 1/18 | 1948 Dec  | Nelson stud welding service   |
| 1/19 | 1948 Feb  | Crompton industrial and commercial lighting equipment   |
| 1/20 | 1949 Sept | Crompton lamps and auxiliary gear 1949-50   |
| 1/21 | 1951 Apr  | The road to greater efficiency, higher speeds, greater reliability in modern transport  |
| 1/22 | 1952 Sept | Announcing an outstanding transport achievement by Crompton Parkinson Ltd /Maley & Taunton Ltd / Charles Roberts & Co Ltd (Blackpool's latest rail coach) |
| 1/23 | -         | Birmingham Railway Carriage & Wagon Co Ltd/ Crompton Parkinson Ltd / Sulzer Bros. (London) Ltd: 955 HP diesel electric locomotives with 10 ton axle load  |
| 1/24 | 1918 Jan  | Main switchboards   |
| 1/25 | 1918 Jan  | Continuous current generators. Open bracket type  |
| 1/26 | 1917 Jun  | ----- as above -----. Open type with pedestal bearings  |
| 1/27 | 1921 Jul  | Knife-pattern switches  |
| 1/28 | 1921 Apr  | Standard clip switches  |
| 1/29 | 1924 Jul  | Isolating switches. Knife pattern   |
| 1/30 | 1920 Jun  | Steelclad switch gear   |
| 1/31 | 1921 Jul  | Semi-automatic house lighting switchboards  |
| 1/32 | 1924 Mar  | Direct current starters   |
| 1/33 | -         | High and low tension AC drawout cubicles  |
| 1/34 | 1924 Feb  | Standard clip switches  |
| 1/35 | 1924 Apr  | Semi-automatic switchboards for the control of house lighting plants. Ironclad type 'SD' pattern  |
| 1/36 | 1926 Aug  | House lighting switch boards. 'B' pattern with 4" instruments   |
| 1/37 | 1926 Jun  | Standard enclosed oil cooled motor control panels   |

|      |           |  |
|------|-----------|--|
| 1/38 | -         | Ironclad substation equipments   |
| 1/39 | 1927 Mar  | Semi and full automatic rotary converter sub-station equipment   |
| 1/40 | 1932 Nov  | Crompton pole mounting oil switches  |
| 1/41 | 1917 Apr  | Half-watt lanterns and fittings  |
| 1/42 | 1934 Apr  | Auto-synchronous motors [ <u>with</u> list of installations of auto-synchronous motors (1934 Jan), and working instructions for auto-synchronous motors] |
| 1/43 | 1934 May  | The Crompton phase advancer for power Factor correction [2 copies]   |
| 1/44 | 1935 Jun  | Class 'MM' induction motors, continuous rating   |
| 1/45 | 1941 Sept | 'MM' range induction motors [2 copies]   |
| 1/46 | 1930 May  | Transformers   |
| 1/47 | 1934 Jun  | Truck type switchgear  |
| 1/48 | 1933 Jul  | Steeclad cubicle switchgear  |
| 1/49 | 1933 May  | AC switchboards, flat back type  |
| 1/50 | 1934 Mar  | Kiosk type substations   |
| 1/51 | 1933 Aug  | Direct current switchboards  |
| 1/52 | 1931 Feb  | Knife switches   |
| 1/53 | 1935 Jun  | The Crompton 'T.A.P.' circuit breaker, oil immersed automatic fuse type  |
| 1/54 | 1931 Aug  | The Crompton 'Klad' circuit breaker, oil immersed series trip type   |
| 1/55 | 1932 Apr  | The Crompton 'Klad' switchgear, oil Immersed series trip type  |
| 1/56 | 1934 Mar  | Adjustable time lag for Crompton 'Klad' switchgear   |
| 1/57 | 1934 Jul  | ----- as above -----   |

|      |           |  |
|------|-----------|--|
| 1/58 | 1935 Nov  | Crompton 'Klad' switchgear   |
| 1/59 | 1932 May  | Crompton ring main equipment   |
| 1/60 | 1935 Apr  | ----- as above ----- [2 copies]  |
| 1/61 | 1934 Jul  | Crompton oil circuit breakers, medium capa city [2 copies, one <u>with</u> Crompton 'T.B.25' oil circuit breaker (1935 May)] |
| 1/62 | 1934 Jul  | ----- as above -----, large capacity [2 copies]  |
| 1/63 | 1935 Sept | Crompton compound-filled switchgear  |
| 1/64 | 1935 Aug  | Crompton auto-reclose mechanism  |
| 1/65 | 1932 Jul  | Instrument current transformers, ring type   |
| 1/66 | 1937 Apr  | Crompton 'Minor' motors, AC split phase/ three phase   |
| 1/67 | 1936 Sept | ----- as above -----, AC single phase capacitor  |
| 1/68 | 1936 May  | ----- as above -----, direct current   |
| 1/69 | 1936 Nov  | Crompton 'Minor' small power motors  |
| 1/70 | 1928 Apr  | Truck type switchgear [2 copies]   |
| 1/71 | [1928?]   | Specification of Crompton Parkinson ring Main control equipment [3 leaves ts]  |
| 1/72 | "         | Specification of rotary convertor (no.1) [2 pp ts]   |
| 1/73 | "         | ----- as above ----- (no.2) [3 pp ts]  |
| 1/74 | "         | ----- as above ----- (no.3) [3 pp ts]  |
| 1/75 | [1928?]   | Specification of starting equipment for rotary convertor (T) [1 pp ts]   |
| 1/76 | "         | -----as above ----- (A.R.) [1 pp ts]   |
| 1/77 | "         | -----as above -----(B.R.) [2 pp ts]  |
| 1/78 | "         | -----as above -----(C.R.) [2 pp ts]  |
| 1/79 | 1928 Nov  | Rotary convertors. Standard tender form [31 pp ts]   |



|      |          |  |
|------|----------|--|
| 1/80 | 1946 May | Electrical industrial trucks. 1 ton fixed platform   |
| 1/81 | 1946 May | ----- as above ----- . 2 ton fixed platform  |
| 1/82 | 1946 May | ----- as above ----- . 2 ton fixed platform, heavy duty type                                   |
| 1/83 | 1948 Jan | ----- as above ----- . 10 cwt electricar/Mynne mobile crane                                    |
| 1/84 | 1946 May | ----- as above ----- . AC and DC chargers  |
| 1/85 | 1949 Jan | Paper insulated cables, lead sheathed  |
| 1/86 | 1949 Jan | ----- as above ----- , lead sheathed and served  |
| 1/87 | 1949 Jan | ----- as above ----- , lead sheathed, Bedded and single steel wire armoured (left bright)      |
| 1/88 | 1949 Jan | ----- as above ----- , lead sheathed, bedded, single steel wire armoured and served overall    |
| 1/89 | 1949 Jan | ----- as above ----- , lead sheathed, bedded, double steel wire armoured and served overall    |
| 1/90 | 1949 Jan | ----- as above ----- , lead sheathed, bedded, double steel tape armoured and served overall    |
| 1/91 | 1949 Jan | Screened type extra high-voltage cables  |
| 1/92 | 1935 Jun | Dimension sheet: AC single phase alternator panels   |
| 1/93 | 1934 Mar | ----- " -----: general arrangement of T.B.17. oil circuit breaker                              |
| 1/94 | 1934 Mar | ----- " -----: Type T.B.27. round tank oil circuit breaker                                     |
| 1/95 | 1935 Nov | ----- " -----: Crompton single busbar M.C.A. 2/3 compound and oil filled metal clad switchgear |
| 1/96 | 1937 Apr | ----- " -----: Crompton 'Minor' motors. AC single-phase capacitor. Marathon bearings           |
| 1/97 | 1931 Apr | Current transformers. 'A.A.' type wound primary  |
| 1/98 | 1931 Apr | Potential transformers. Type V.S.A.A.  |
| 1/99 | 1929 Jul | Small DC dynamo and feeder panels  |

|       |           |  |
|-------|-----------|--|
| 1/100 | 1929 Jul  | DC 2 wire shunt generator panels   |
| 1/101 | 1929 Jul  | DC 3 wire shunt generator panels   |
| 1/102 | 1934 Jul  | DC 2 wire compound generator panels  |
| 1/103 | 1929 Jul  | DC 2 wire feeder panels  |
| 1/104 | 1929 Jul  | DC 3 wire feeder panels  |
| 1/105 | 1929 Jul  | Small DC dynamo and feeder panels  |
| 1/106 | 1935 Feb  | Type S.B.9. oil switch   |
| 1/107 | 1934 Mar  | Crompton direct acting earth leakage trip  |
| 1/108 | 1932 Aug  | Quick break knife switches   |
| 1/109 | -         | Six reasons why you should use the Electric Light  |
| 1/110 | 1926 Nov  | Performance on short circuit of Crompton 750kw rotary converter  |
| 1/111 | 1932 Feb  | Recommendations for installation and operation of Crompton 'B.R.I.' (British Repulsion Induction) motors |
| 1/112 | 1933 Sept | The Crompton 'Klad' switchgear, oil Immersed series trip type  |
| 1/113 | 1933 Aug  | Crompton ring main equipment   |
| 1/114 | 1933 Jun  | The Crompton 'T.A.P.' circuit breaker, oil immersed automatic fuse type                                  |
| 1/115 | 1936 Feb  | Crompton Instruments   |
| 1/116 | -         | Miscellaneous leaflets [1 file]  |

## **2 - Miscellaneous product brochures, leaflets etc of Crompton Parkinson Ltd**

2/1                      c1933-1966              [1 file]

## **3 - Product catalogues, brochures, leaflets of other companies**

3/1                      1930s                      Companies include [British Brown-Boveri Ltd; The British Electric Transformer Co Ltd; The British Thomson-Houston Co Ltd; W. Canning & Co Ltd; Jas. Cook & Sons; The Electrical Apparatus Co

Ltd; George Ellison Ltd; The English Electric Co Ltd; Fuller Electrical & Manufacturing Co Ltd; The Harland Engineering Co Ltd; Isenthal & Co Ltd; The Lancashire Dynamo & Motor Co Ltd/The Crypto Electrical Co Ltd/Lancashire Dynamo & Crypto Ltd; Mather & Platt Ltd; Metropolitan-Vickers Electrical Co Ltd; Bruce Peebles & Co Ltd; Rotax Ltd]

- |       |          |  |
|-------|----------|--|
| 3/2/1 | 1934 Apr | The British Electric Transformer Co Ltd: B.E.T. hermetically sealed transformers |
| 3/2/2 | 1933 Jan | ----- as above -----: Crompton-Weaving transformer on-load tap changing gear     |
| 3/2/3 | 1933 Jan | ----- as above -----: B.E.T. core type transformers                              |
| 3/2/4 | 1935 Feb | ----- as above -----: The B.E.T. capacity booster                                |

#### 4 - Periodicals, offprints, papers, press cuttings, lectures etc

- |     |                      |   |
|-----|----------------------|---|
| 4/1 | 1964 May-1964<br>Dec | <u>Eastern Electricity</u> vol.14 nos.11,13,14 [two of which contain articles on the Crompton Museum]                     |
| 4/2 | 1966 Spring          | <u>Electrical Machinery</u> , quarterly journal of the Assoc of Electrical Machinery Trades, vol.13, no.62                |
| 4/3 | 1967 Spring          | <u>Circuit</u> , the House Journal of Crompton Parkinson Ltd, vol.19 no.2   |
| 4/4 | -                    | Offprint: 'Electric Driving of Cement Works' from <u>Cement &amp; Cement Manufacture</u>                                  |
| 4/5 | -                    | Offprint: 'Horse-power output of Flywheels' by B J Shillito from <u>Mechanical World</u>                                  |
| 4/6 | -                    | Offprint: 'Recent progress in Tirrill Voltage regulators' by C Stewart & H W Taylor from <u>BTH Activities</u>            |
| 4/7 | 1901 Mar             | Offprint: 'Some notes on polyphase sub-Station machinery' by A C Eborall from <u>Jnl of Proc.of the Inst.of Elec.Eng.</u> |
| 4/8 | 1902 Feb             | Offprint: 'Worksop Corporation Electricity Works, 1901' from <u>Electrical Review</u> [published by Witting Bros.]        |

|      |          |  |
|------|----------|--|
| 4/9  | 1902 Oct | Offprint: 'On the efficiency and power Factor of small three-phase motors' from <u>Electrical Review</u> [published by Witting Bros.]  |
| 4/10 | 1902 Dec | Offprint: 'A modern slow speed steam alternator' from <u>The Iron and Coal Trades Review</u> [published by Witting Bros.]  |
| 4/11 | 1903 Apr | Offprint: 'On the application of three-phase motors to the electrical driving of workshops and factories' by A C Eborall from <u>Journal of the Society of Arts, Manufactures and Commerce</u> |
| 4/12 | 1903 Apr | Offprint: 'The South Lancashire Tramways' from <u>The Electrical Engineer</u> [published by Witting, Eborall & Co Ltd]   |
| 4/13 | 1907 Apr | Paper: 'The Experimental Determination of the Losses in Motors' read by C F Smith to the Manchester Section of the Inst. of Elec. Eng.   |
| 4/14 | 1910 Oct | Paper: 'Electric Railway Cost Estimating' read by H M Hobart to the Arc Works Engineering Society, Chelmsford  |
| 4/15 | 1923 May | Offprint: 'The Largest Ice Cream Plant in Europe' (refrigerating compressors driven by Crompton auto-synchronous motors) from <u>Ice and Cold Storage</u>                                      |
| 4/16 | 1926 Jun | Offprint: 'The Binary Converter' by F Creedy from <u>The Electrician</u>   |
| 4/17 | 1926 Jul | Offprint: 'A description of the Works of Messrs Crompton & Co Ltd' [being part XLIV of 'The Workshops of Great Britain'] from <u>The British Engineers' Export Journal</u>                     |
| 4/18 | 1932 Jun | Offprint: 'Electrification of an Ice Factory' from <u>The Electrical Times</u>   |
| 4/19 | 1934 Oct | Offprint: 'Correcting the works power factor' by R A Lochner from <u>The Mining Electrical Engineer</u> [published by Crompton Parkinson Ltd] [2 copies]                                       |
| 4/20 | 1946 Jan | Offprint: 'A consumer's views and experiences' from <u>Jnl.Inst.Elec.Eng.</u> (being the address of the chairman of the Installations Section)   |
| 4/21 | 1958 Jun | Article: 'The Evolution of the Central Station' by C   |

|      |           |  |
|------|-----------|--|
|      |           | M Jarvis [being part 8 of The History of Electrical Engineering] [torn] from <u>Jnl.Inst.Elec.Eng.</u>   |
| 4/22 | 1964 Nov  | Article: 'R.E.Crompton - Pioneer of Electrical Instruments' by F J Templeton from <u>Instrument Practice</u> [photocopy]   |
| 4/23 | 1900      | Issues of <u>Lightning</u> (3), <u>The Electrical Review</u> (1), <u>The Electrician</u> (1), <u>The Electrical Engineer</u> (1) and pages from <u>The Globe</u> , <u>The Graphic</u> , <u>Nature</u> and <u>The Electrical Review</u> , all carrying articles on The Royal Engineer Electrical Engineers Volunteer Corps and their role in South Africa |
| 4/24 | 1951 Apr  | Article: 'Electric Cooking in the Nineties' from <u>Electrical Review</u> [photocopy] [with front of menu for a 'Banquet Cooked by Electricity' arranged by The City of London Electric Lighting Co Ltd in 1894 Jun]   |
| 4/25 | 1954 Jul  | Part of article on cooking equipment available in 1894 from <u>Electrical Review</u> [photocopy]   |
| 4/26 | [1883]    | Draft of lecture by REBC on Electric Lighting [23 pp ms]   |
| 4/27 | [1883]    | ----- as above -----   |
| 4/28 | -         | Article: 'The Properties of Elastic Tires' by REBC   |
| 4/29 | 1891-1900 | Album of cuttings from electrical periodicals [with loose extracts from product brochures of companies other than Crompton]  |
| 4/30 | 1935 Apr  | Article: 'The Twenty-Five Year History of Electric Domestic Appliances' by W A Gillott from the Royal Jubilee Souvenir Supplement to <u>Electrical Trading</u> [photocopy]   |

## 5 - REBC - personal, family and colleagues

|     |          |  |
|-----|----------|--|
| 5/1 | 1926 Mar | Certificate: The Institution of Electrical Engineers re the awarding to REBC of the Faraday Medal on Jan 21 [in slipcase]    |
| 5/2 | 1930 May | Notice: The Institution of Electrical Engineers to REBC conveying congratulations on his eighty-fifth birthday [in slipcase] |
| 5/3 | 1933 May | Notice: The Royal Society to REBC informing him  |

|      |                   |   |
|------|-------------------|---|
|      |                   | of his election as a fellow [in slipcase]   |
| 5/4  | 1934 May          | Certificate: The Institution of Civil Engineers re the election of REBC as an honorary member [in slipcase]   |
| 5/5  | 1935 May          | Certificate: The Institution of Mechanical Engineers re the admittance of REBC as an honorary life member [in slipcase]   |
| 5/6  | -                 | File: People Associated with Col. Crompton [notes etc on Joseph W Swan (including An eight page ts biographical memo [by REBC]), A P Lundberg, Crompton's first assistant (1879), Henry W W Dix et al]  |
| 5/7  | 1965 Mar          | Offprint: historical feature on REBC, in particular his steam car, from <u>Daily Mirror</u>   |
| 5/8  | -                 | Note, photographs (2), article from <u>Chelmsford Newsmen</u> of 1967 May re the Crompton family emblem, a horse with an arrow in its breast  |
| 5/9  | 1950s-1960        | File: Correspondence with Crompton family   |
| 5/10 | 1871 Jun-1874 Oct | <u>The Government Steam Train</u> [4 ms vols] [Vo 1 prefaced by article of 1871 Jan 28 from <u>The Times</u> on Road Steamers; ms copy of letter of 1871 Dec 10: Lord Sandhurst to Sir H L Anderson of the India Office; ms note stating that this letter 'will fully explain the object and intention of the Experiment of the Traction Engine in India' and that the volumes contain' extracts from the letters of Mr and Mrs Evelyn Crompton describing their life and Adventures, from the first Trial Trip of the "Chenab" Engine (from the "Orwell Works" Ipswich, to the Royal Agricultural Societies show at Wolverhampton) up to the time of leaving India'] |
| 5/11 | 1900 Dec          | Programme: Institution of Electrical Engineers, Reception of the South African Detachment of the Electrical Engineers (R.E.) Volunteers in the Covent Garden Opera House  |
| 5/12 | 1905 Nov          | Regimental Orders: The Electrical Engineers (R.E.Vounteers), REBC officer commanding [booklet]  |
| 5/13 | 1908 Jan          | ----- " -----: The Electrical Engineers (London Division), REBC officer commanding  |

|      |           |  |
|------|-----------|--|
| 5/14 | 1940 Feb  | Offprint: obituary of REBC from <u>The Times</u>   |
| 5/15 | 1936 May  | Programme/menu re dinner marking the Golden Jubilee of The Kensington & Knightsbridge Electric Lighting Co Ltd [REBC Chairman]   |
| 5/16 | 1907-1919 | File of letters, memos etc [includes ms letters: REBC to his wife; memo on visit to Azerley and the estate; memo on Milhollands foreign rail contract; copy correspondence: REBC and Mr Burns re the Lowca tractor affair] |
| 5/17 | 1871      | Photograph: REBC and Mrs Crompton on their diamond wedding day   |
| 5/18 | [1936]    | Photograph: REBC in Chelmsford Power Station before it was dismantled [as P5-4]  |
| 5/19 | -         | Photograph: REBC with Mr Frank Parkinson [2 copies]  |
| 5/20 | -         | Photograph: REBC with colleague [in Switzerland?]  |
| 5/21 | -         | Portrait photo of REBC   |

## 6 – Miscellaneous

|     |              |   |
|-----|--------------|---|
| 6/1 | 1884 Apr-Aug | Letters [5]: J Fletcher Moulton, Onslow Gardens, [London] to REBC   |
| 6/2 | -            | Photocopy of drawings of [43] various types and designs of brush holders for gauze and carbon brushes made and used by Crompton & Co up to June 1905 [3 pp] |
| 6/3 | -            | Power Factor Calculator [1 p ms]  |
| 6/4 | 1946 Apr     | County Borough of Southampton, Electricity Dept. [Golden] Jubilee of the Electricity Undertaking [commemorative booklet]                                    |
| 6/5 | 1883-1885    | 'Electric Lighting Act etc' [file]  |
| 6/6 | -            | 'Class I compound filled switchgear' [3 arrangement of metal-clad compound & oil filled switch pillar, dated 1934 Jan] [file]                               |
| 6/7 | c1924-1932   | Miscellaneous Crompton Parkinson copy letters to  |

|      |                      |  |
|------|----------------------|--|
|      |                      | agents, technical notes, blueprint wiring diagrams etc [ <u>with</u> index] [file]   |
| 6/8  | 1962 Oct-1963<br>Feb | Copy correspondence: Crompton Parkinson Ltd and the National Museum of Wales, Cardiff re former's contribution of historic items to the latter   |
| 6/9  | c1963                | Draft article: 'Batteries - Then and Now' [by/from Mr A G Mitchell] [8 pp ts]  |
| 6/10 | c1926-1935           | Miscellaneous technical notes, blueprint diagrams etc re products, company practices etc of Crompton Parkinson   |
| 6/11 | 1963 Jul-Aug         | Copy letters: [Cromptonian Assoc] Hon. Sec. F J Templeton / Crompton Historical Collection to various museums re borrowing material for centenary of Crompton's entering the army in 1864; memos re same, and re other papers related to REBC [file] |
| 6/12 | -                    | Ink line drawing: Crompton's Patent Arc Regulator Lamp   |
| 6/13 | 1884-1907            | Patents. Complete specifications – Switchgear vol.1 [bound volume]   |

## **7 - Crompton & Co Ltd / Crompton Parkinson Ltd – Historical**

|     |          |   |
|-----|----------|---|
| 7/1 | -        | Berechurch Hall: copy photographs, notes, article from <u>Jnl. of the Cromptonian Assoc</u> 1949 etc re installation by Crompton & Co of electric lighting in 1882 [file]   |
| 7/2 | 1929 Jul | <u>Some Notes on Automatic Correction of Power Factor</u> on the inauguration of two 1500 kw auto-synchronous motor generator sets for Ilford Corporation electric supply [booklet published by Crompton Parkinson Ltd] |
| 7/3 | 1948 Aug | <u>The Crompton Historic Collection</u> [booklet] [2 copies]  |
| 7/4 | 1966 Jan | ----- as above ----- [4 copies]<br>[copy in SML bookstock at 92 CRO]  |
| 7/5 | 1938 Jul | Souvenir programme of the Crompton Parkinson Diamond Jubilee Garden Fete at Chelmsford [ <u>with</u> draft historical notes and list of illustrations, 7 pp ts]   |



|      |          |  |
|------|----------|--|
| 7/6  | 1951 May | Souvenir of 'Open Day' at the Chelmsford Works [booklet]   |
| 7/7  | 1943 Oct | Crompton Parkinson Ltd Junior Board [booklet]  |
| 7/8  | 1955 Jun | <u>Pattern of Progress</u> [32-page company historical booklet] [2 copies]   |
| 7/9  | 1967 Oct | Instrument Production at Witham, Essex [home of Crompton Parkinson (Instruments) Ltd, a Hawker Siddeley Company] [booklet produced for Open Day]   |
| 7/10 | 1938 Dec | 4-page article on Crompton Parkinson Ltd from <u>Evening Standard</u>  |
| 7/11 | 1966 Apr | ----- as above ----- from <u>The Essex Chronicle</u>   |
| 7/12 | 1907 Jul | Crompton & Co Ltd: Notice of Meeting, to receive and consider the nineteenth report of directors and balance sheet   |
| 7/13 | 1888 Jul | Crompton & Co Ltd: Prospectus  |
| 7/14 | -        | <u>The History of Crompton Parkinson Ltd</u> (first part up to 1905) by J H Johnson [c 122 pp ts, prefaced by list of 96 illustrations]  |
| 7/15 | [1933]   | [Draft of lecture on REBC and Crompton & Co given by J H Johnson at Chelmsford] [12 pp ts]   |
| 7/16 | -        | Draft script entitled 'Crompton Parkinson' of film to be made at Merton Park Studios   |
| 7/17 | -        | 'Complete list of equipment in the Crompton Historic Collection all in Science Museum except typed list of instruments' [ <u>with</u> list of patents in Historic Collection records, and list of REBC's patents 1878-1922] [file] |
| 7/18 | -        | 'Writings for Reference' [include 'Notes on the Company's early connection with the Admiralty and Merchant Service', 'Seventy five years of progress in electrical manufacturing' etc [file]                                       |
| 7/19 | 1886     | Certificate: pp Electric Lighting Committee of the Royal Commission for the Colonial and Indian Exhibition, London re satisfactory conduct of F T  |

Wright engaged in the Exhibition's electric light department and in the employ of Crompton & Co

## 8 – Photographs

- |      |           |  |
|------|-----------|--|
| 8/1  | -         | Album of untitled photographs, largely of electrical equipment [250 pp]  |
| 8/2  | -         | c. 230 photographs, most untitled, largely of electrical equipment, printed blue [with three packs containing a total of 19 such 'blueprints', each bearing printed caption, issued by Crompton Parkinson Ltd Publicity Dept [1 box] |
| 8/3  | -         | 86 untitled photographs, largely of electrical [especially measuring] equipment [1 box]  |
| 8/4  | -         | 45 photographs bearing printed or ms caption, largely of electrical equipment [1 box]  |
| 8/5  | -         | Crompton & Co Ltd, Chelmsford [2 photos, each with eight views]  |
| 8/6  | -         | The Pretoria Lighting Company Limited [photo montage of eight vignette sketches c 1892]  |
| 8/7  | -         | The Crompton Electric Bus  |
| 8/8  | -         | Chelmsford from the air 1921, showing The Marconi Works with its two 450 ft masts [2]; Marconi Works, New St, Chelmsford 1929 [1]  |
| 8/9  | -         | Views of Crompton & Co Chelmsford Works [6]  |
| 8/10 | -         | Arc Works Sports Day, AWAC committee and guests June 1893 [2 copies]   |
| 8/11 | -         | Works Test Room staff July 1892 [2 copies]   |
| 8/12 | 1895 Sept | Arc Works pupils   |
| 8/13 | -         | [Works staff?] [one photo of football team, 2 copies, one of staff in dramatic costume] [4]  |
| 8/14 | -         | Views of the Historical Collection Housed at Crompton Parkinson Ltd [8]  |
| 8/15 | -         | Activities in India [5]  |
| 8/16 | -         | ----- as above ---- [including views of steam train  |

|      |           |  |
|------|-----------|--|
|      |           | and of Blue Belle] [6]   |
| 8/17 | -         | Searchlight equipment for Boer War 1900 [1]  |
| 8/18 | 1886 Jan  | Group of lanterns used at Tilbury Docks [1]  |
| 8/19 | 1895      | Fire at Crompton's, Anchor St, Chelmsford [2]  |
| 8/20 | c1900     | Group photos - motor car outing [2]  |
| 8/21 | 1909/1912 | Four pages from The Commercial Motor of 1909 April 8 and 1912 Sept 5 re the Crompton Battery Bus/the Crompton Electric Motorbus Equipment [mounted on board] |
| 8/22 | -         | Negatives of photographs in the 'P' Series [pp - ] [41]  |

**9 - Indexes** [compiled by curator(s) of the Crompton Historic Collection]

|       |          |   |
|-------|----------|---|
| 9/1   | -        | Original index [arranged by sections A; B; C; D; P; S; Chronicles] [ms file]  |
| 9/2   | -        | Index [arranged by sections A; B; Works; Machines; Equipment; Arc Lamps; Illustrations; Installations; O & S; Catalogues; including biography of REBC and a history of the electrical Industry in Britain] [ts loose-leaf binder] |
| 9/3/1 | -        | [Index arranged by sections 'Small Cards'; Instruments; Medals [ms loose-leaf binder]   |
| 9/3/2 | 1953 Feb | Details for Showcards: Instruments [29 pp ts]   |
| 9/3/3 | 1953 Feb | ----- as above -----: Machines [19 pp ts]   |

Inv. No. 1993-85