In 1883 George Mower, an American citizen and an engineer, came to England and opened up an office for the Sturtevant Company of America at 147 Queen Victoria Street, London. Between 1895 and 1897 he visited an old school friend, Harry Cutler in America. Cutler had a business in Electric Motor Control. Cutler agreed to forward enquiries from Europe to the Sturtevant office. Mower then imported C-H faceplate button type starters and re-badged them with a Sturtevant nameplate before supplying them to customers. Later it was found that alterations were needed and additional premises were acquired at Bankside, London, to deal with the growing electrical business. In 1904 A H Curtis, a consulting electrical engineer, joined the company and around this time J T Mould (Sales), A H Mackley (Engineering) and S E Hall (estimating) also joined.

In 1906 The Adams Manufacturing Company was formed in Bedford. Arthur Harry Adams was originally the European manager for the Eastern Electric company of America and a Sturtevant engineer. Adams had an interest in the Hewitt Motor Company of America for he married Mr Hewitt's daughter.

Two thirds of the Bedford factory was allocated to car production and the remainder to rheostat production. George Mower was one of Adam's main financial backers. On 1st January 1906 the Sturtevant Electrical business was transferred to Adams works at Bedford and the rheostats were called 'ADAMS IGRANIC type made by Adams Manufacturing Company'.

The name Igranic was the result of a competition and was explained as follows: I was taken from the iron wire tube resistances wound on asbestos tubes and mounted behind the rheostat. GRAN was taken from the slate base on which the button contacts were mounted. This slate base was finished in a marble-like covering resembling granite. It had no electrical significance but was only a finish. The IC came from the two last letters of electric.

Adams continued to build cars in the main part of the works and introduced foot pedals for clutch and brakes and pioneered the electric starter motor.

In July 1913 the electrical assets of Adams Manufacturing Company with the premises of both businesses were acquired by Mr Bacon who was president of Cutler-Hammer. On 14th August a new English company was formed - the Igranic Electric Company. The car business was sold. Capital for the new company was £35,000 in £1 shares. Five sevenths of the company shares were owned by George Mower and two sevenths by Cutler-Hammer. From 1913 the company were mainly concerned with manufacturing electric motor control gear.

In 1920 to 1925 they entered the radio business making 'honeycomb' tuning coils under licence from Westinghouse, and sets of components for amateurs to make their own sets. When the company decided to make complete radio sets themselves they ran into trouble.

In 1923 Igranic and Cutler-Hammer entered into the first formal written agreement. This gave Igranic the right to patent Cutler-Hammer inventions throughout the world excepting America. The agreement was for 21 years and payment to C-H was 15% of Igranic profits. C-H then sold their part interest in Igranic to George Mower.

Between 1936 and 1937 Igranic decided that their future lay not so much in the starter business as in control gear and thus started their entry into the steel mill and crane gear business. The first steel mill equipment was started in 1937 and Igranic and C-H designed it together.

George Mower died in 1941 and to meet death duties Igranic was sold. C-H was not in a position to buy and through Sales director J H Enion's association with Mr Hirst (Brookhirst had been purchased some time before by Metal Industries) Igranic was bought by Metal Industries.

When the agreement with Cutler-Hammer came to an end a new one was negotiated with a fixed royalty of £80,000 per annum. In 1952 this was superseded with one that had a royalty of 2% turnover.

From 1959 the company was known as Brookhirst Igranic Ltd. This was taken over by Thorn Electrical Industries in 1967 and was bought by Cutler-Hammer Incorporated in 1971. 1974 saw the name change to Cutler-Hammer Europa Ltd. In 1978 the Bedford plant became the Europe and Africa headquarters for the Eaton Corporation's Industrial Control and Power Distribution Division.

The 1979 deposit was arranged by series as received at that time, where possible the second deposit (2002) has been added to these series; new series being created for material which did not fit within the original scheme.

Classification Scheme

- IG1 Agreements, contracts etc
- IG2 Patents Registers
- IG3 Patents
 - IG3/1 Pacent patents
 - IG3/2 Assignment of patent rights by staff to company
 - IG3/3 Assignment of patents to, or from, other firms
 - IG3/4 Ceased patents of the Donovan Electric Co, Birmingham
 - IG3/5 Foreign patents taken out by the Igranic Electric Co
 - IG3/6 Foreign patents, some issued to Brookhirst Switchgear
 - IG3/7 British patents
 - IG3/8 British patents code cases
 - IG3/9 Transfer of patents between Igranic and Brookhirst
 - IG3/10 Patent cases
- IG4 Design and production
- IG5 Trademarks
 - IG5/1 Certificates of registration
 - IG5/2 Correspondence regarding renewal of trade marks
 - IG5/3 Permissions granted by Igranic for use of trade mark
 - IG5/4 Transfer of trade mark from Adams Co
 - IG5/5 Registration of trade marks in various countries
 - IG5/6 Foreign trade marks correspondence
- IG6 Employee handbooks, information and company magazines
- IG7 Catalogues
- IG8 Marketing and public relations
- IG9 Photographs
- IG10 Management records
- IG11 Incorporation and capital
- IG12 Finance
- IG13 Property
- IG14 Personnel
- IG15 Ephemera

| IG1 | Agreements, contracts etc | |
|--------|--|--------------------------------|
| IG1/1 | Contract between Cutler-Hammer Igranic and Igranic Electric Company | 30 Oct 1929 |
| IG1/2 | Cutler-Hammer Inc., Milwaukee, Wisconsin, USA and Igranic Electric Co Ltd., Bedford | 2 Aug 1950 |
| IG1/3 | Agreement, Cutler-Hammer Inc and Igranic Electric Co Ltd., (effective from 1 April 1954) and related papers | 23 March 1955 |
| IG1/4 | Copy of working agreement between Cutler-Hammer, Brookhirst Igranic and LDEP | c 1965 |
| IG1/5 | Assignment between Cutler-Hammer Igranic Ltd, Elstow Road, Bedford, and Brookhirst Igranic Ltd., Elstow Road, Bedford | 1972 |
| IG1/6 | Assignment between the Donovan Electrical Co Ltd, Elstow Road, Bedford, and Brookhirst Igranic Ltd, Elstow Road, Bedford | 1972 |
| IG1/7 | Papers related to agreements including correspondence about the amended agreement of 1959, a brief hsitory of the relations between Bureau Technique International and Cutler-Hammer Interntional CA, various charts giving the organisation of Cutler-Hammer Inc, a copy of a booklet on the American Anti-Trust laws and other papers | 1955-1964 |
| IG1/8 | Agreement between 1) Cutler-Hammer Manufacturing Company and 2) Adams Manufacturing Company Limited. 1) grants to 2) sole full and exclusive license to use and exercise all patents licenses inventions processes trade names and trade marks of 1) in Great Britain and Ireland, all colonies and dependencies of Great Britain excluding Canada, the continent of Europe and the continent of Asia excluding Australia for at least 5 years for consideration of 10% of profits of 2's business as manufacturer of electric apparatus. | 28 April 1908 |
| IG1/9 | Agreement for sale of electrical business of Adams Manufacturing Co Ltd between 1) Mr Lewis Hardy (appointed receiver under judgment dated 11 April 1913 and liquidator for the purposes of winding up the company) and 2) Mr Frank Rogers Bacon of Milwaukee. 1) to sell to 2) business as a going concern except the assests called 'the car business'. For £15,000. [Includes inventory of the assests of the car business including tools] | 17 July 1913 |
| IG1/10 | Agreement between 1) Frank Rogers Bacon and 2) Igranic Electric Co Ltd. 1) to sell business as a going concern to 2) for £35,000. | 16 October 1913 |
| IG1/11 | Agreement and charge between 1) Igranic Electric Co Ltd and 2) Arthur Herbert Curtis, electrical engineer and until recently employed as manager of the company's business. 2) to act as technical advisor to the company for 1 year. (with copy) | 27 May 1933 |
| IG1/12 | Agreement between 1) Igranic Electric Company Ltd and 2) James Henry Enion. Re appointment as managing director. Duplicate. With letter from J H Enion regarding his pay during the take over period between the Igranic Electric Co Ltd and Metal Industries (Electrical Group) Ltd. | 12 May 1942 and 11 Oct 1945 |
| IG1/13 | Agreement between 1) Igranic Electric Co Ltd and 2) Herbert Cecil Hodges, electrical engineer. Re rights to the designs for Hodac Goods and the trade name Hodac. With letter noting Mr Hodges retirement from the company. | 4 Aug 1943 and 26 July 1945 |

| IG1 IG1/14 | Agreements, contracts etc Agreement between 1) Igranic Electric Co Ltd and 2) Philips Electrical Industries Ltd. 1) grant licence to 2) for manufacture of electric snap switches patent No 543355. For consideration of 20 shillings per 1000 switches made.(licence and royalty) | 3 Nov 1955 |
|----------------------|--|---------------|
| IG1/15 | Copy of Agreement between 1) Igranic Electic Co Ltd and 2) La Thermostatique S.A. License to sell within Italy Switzerland, Sweden and Belgium industrial motor starting or controlling resistors covered by French letters patent 1013067. | 8 Nov 1955 |
| IG1/16 | Agreement 1) Rheostatic Co Ltd and 2) Metal Industries Ltd. 1) to sell to 2) goodwil and other assets of its business manufacturing and supplying unbreakable industrial motor starting or controlling resistors for use with heavy electrical equipment | 29 March 1955 |
| IG1/17 | Assignment of patents between 1) Rheostatic Co Ltd and 2) Igranic Electric Co Ltd. | 29 July 1955 |
| IG1/18 | Agreement between 1) Igranic Electrical Co Ltd and 2) A B Metal Products Limited. Grant of licence 1) to 2) under the terms of an agreement between 1) and Cutler-Hammer Inc. (licence and royalty) | 10 May 1956 |
| IG1/19 | Agreement between 1) Igranic Electric Co Ltd and 2) Welwyn Electrical Laboratories Ltd. Grant of licence under terms of agreement between 1) and Cutler-Hammer Inc.(licence and royalty) | 10 July 1956 |
| IG1/20 | Sealed packet No 5: contents listed on outside as follows: Agreements - 1 photographic copy of agreement dated 2 Aug 1950 with Cutler Hammer Inc, 2. Barco negatives of above agreement, 3. Barco negatives of a) Igranic /CH supplementary agreement 10 Nov 1947, b) Igranic /CH/Bristol NSF, c)Igranic/CH/Bristol supplementary agreement 1 Aug 1950 | 1947-1950 |
| IG1/21 | Sealed packet no 7. Contents listed on outside as follows: 1. Original Agreement betwn Cutler Hammer Inc and Igranic Electric Co Ltd dated 23 March 1955 2. copy of letter dated 12 Oct 1955 written to Mr R F Horne (AA Thornton & Co) to Mr W C Lyon, Cutler Hammer Inc and of Mr Lyon's reply dated 6 Dec 1954 relating to the invalidation of patents by prior publication 3. Statement of stamp duty assessed on the agreement 4. Photographic copy of letter from CH dated 24 April 1956 waving royalty for Brookhirst components held on consignment by ISSA and assembled on switchboards for A S Williams 5. Letter from CH Inc relating to the exemption of royalies on Stromag? clutches 6. copy memo by Mr Aitken relating to the acceptance of direct orders from Canada and Newfoundland and to orders for hydraulic bakes for crane services. | 1955-56 |
| IG2 | Patents registers | 1897-1967 |
| IG2/1 | Register marked 'Igranic Electric Co Patents Register' giving lists of British, Irish and foreign patents, acquired patents, code cases, trade marks etc. The register gives serial number, subject, applicants, agent, dates, renewals, remarks etc. With list of categories at front | 1897-1967 |
| IG2/2 | Patents file containing printed copies of related patents (including some of Brookhirst and Donovan). With list in front arranged in date order. | 1899-1944 |

| IG3 | Patents | |
|----------|--|-----------|
| IG3/1 | Pacent patents (inventions of the Pacent Electric Company of New York, for which the Igranic Electric Co were taking out he British patents) | 1925-1930 |
| IG3/1/1 | Patent no 257617, for improvements in or relating to variable air electric condensers, and related papers | 1925-1926 |
| IG3/1/2 | Patent no 278930 for precision potntiometers, and related papers | 1927-28 |
| IG3/1/3 | Patent no 292893 for a gramophone pickup and related papers | 1927-28 |
| IG3/1/4 | Patent no 293243 for the Phoovox Pick-up and related papers | 1927-28 |
| IG3/1/5 | Patent no 298209 for the pick-up device and related papers | 1928-30 |
| IG3/1/6 | Patent no 309484 for a mounting for pick-up and related papers | 1928-30 |
| IG3/1/7 | Patent no 322010 for improvements in electrical connecting devices, with rrelated papers | 1928-30 |
| IG3/2 | Assignment of patent rights by staff to Company | 1926-1957 |
| IG3/2/1 | Hen B Aldridge - dial indicator | 1928 |
| IG3/2/2 | George Francis Dandridge - improvements in variable inductance devices for wireless | 1926-1927 |
| IG3/2/3 | K Younghusband - lifting magnets. Envelope marked 'paentnt sent to Younghusband.' | 1928 |
| IG3/2/4 | Rich H Robbins - adjustable tongs for conveyor belts | 1928 |
| IG3/2/5 | Johann Hermann Abbink-Spaink - improvements in electric switches and relays etc | 1928 |
| IG3/2/6 | D Sinclair - related papers re 3 patents. Evelope marked 'Assigned to Graham Amplion' | 1928-30 |
| IG3/2/7 | Fred John Henry Charman - improvements in electrical transformers, thermionic valve circuits, and radio receiving apparatus | 1928-30 |
| IG3/2/8 | L E Currah - various, mainly for radio apparatus | 1929 |
| IG3/2/9 | George Francis Dandridge - improvements in variabel resistance devices and in formers for electric coils | 1929-30 |
| IG3/2/10 | George Holdaway - improvments in variable resistance and inductance devices | 1929 |
| IG3/2/11 | Assignment of patents to Graham Amplion [see IG3/2/6] | 1930 |
| IG3/2/12 | William M Holbeach - improvements in methods of assembling and mounting plates and sheet like elements in structure, and improvements in rotary adjusting devices, and improvements in electrical condensers | 1928-1930 |
| IG3/2/13 | Peter Wm Willans - wireless apparatus - various | 1928-1931 |
| IG3/2/14 | A Hodgson - improvements in thermionic amplifiers | 1928-1931 |
| IG3/2/15 | A Hodgson - improvements in radio apparatus, valve circuits and transformers | 1931 |
| IG3/2/16 | Herb S Payman - improvements in electrical condensers, transformers, tuning coil units and variable resistance devices | 1933 |

| IG3/2 | Assignment of patent rights by staff to Company | 1926-1957 |
|----------|---|--------------|
| IG3/2/17 | Arthur H Curtis - various devices | 1933 |
| IG3/2/18 | Ernest Wm Short - tank empying devices Stanley Robt Wright - various devices George Henry Pickering - improvements in electro-mechanical brakes Harold H Rapley - improvments in newspaper conveyors Jn Russell Taylor - various Leslie Harold Paddle - various Alf Hen Mackley - various | 26 July 1934 |
| IG3/2/19 | Letters of assignment from various people, including some of those in $IG3/2/18$ | 1936-57 |
| IG3/2/20 | Stanley Robt Wright - various Jn Russell Taylor - various Cyril Ernest Randall - various Percy Wm Townsend - improvments in timing devices Jn R Raylor and Stanley Robt Wright - 2 devices Wm Fred Grafton - 2 devices | 16 Jan 1945 |
| IG3/2/21 | Deed of assignment between 1) Cyril Ernest Randall and 2) Igranic Electric Co Ltd. Various patents | 2 May 1949 |
| IG3/3 | Assignment of patents to, or from, other firms | 1916-1959 |
| IG3/3/1 | Automatic Reclosing Circuit Breaker Co of the USA to the Igranic Electric Co (Patent no 258250) | 1926 |
| IG3/3/2 | Automatic Reclosing Circuit Breaker Co of the USA to the Igranic Electric Co (Patent no260457) | 1926 |
| IG3/3/3 | Burndept Wireless Ltd and Wm Rooke to the Igranic Electric Co relating to variabel inductance devices | 1927 |
| IG3/3/4 | 2 papers relating to a patent for improvements in means of fastening plates together. Marked 'taken over by Bifurcated Rivet co' | 1928 |
| IG3/3/5 | Igranic Electric Co Ltd to the Chorlton Metal co Ltd, Manchester, relating to Vernier Indicating Dials | 1929 |
| IG3/3/6 | Assignment fo Patents by Igranic Electric Co Ltd to Fawcett Preston & Co Ltd. Patent number 672010. | 6 Oct 1959 |
| IG3/3/7 | Assignment of patents: 1) The Adams Manufacturing Co Ltd (in liquidation) 2) liquidators to the Adams co, 3) Frank Rogers Bacon 4) Igranic Electric Co Ltd. 3) assigns to 4) with the agreement of 2) in consideration of £500 | 13 Jan 1916 |
| IG3/4 | Ceased patents of the Donovan Electric Co, Birmingham | 1948-64 |
| IG3/4/1 | Improvements in electric switch and fuse contacts (patent no 613297) | 1948 |
| IG3/4/2 | Improvements in switch fuses (patent no 613482) | 1948 |
| IG3/4/3 | Improvements in electric switch fuses (patent no 613849) together with letters patent | 1949 |
| IG3/4/4 | Photocopy of patent specification 642941 submitted by Paul Louis Julien Gerard and relating to improvements in fluid supports, together with 2 letters relaing to the renewal of a trade mark at his number, for 'Runtact' | 1950-52 |
| IG3/4/5 | Improvements in electric switch mechanism of the metal clad type (patent no 647333) | 1949 |
| IG3/4/6 | Improvements connected with electric switches (patent no 648081) with letters patent | 1949 |
| IG3/4/7 | Improvements relating to electromagnetic contactors (patent no 665536) | 1950 |
| IG3/4/8 | Improvements relating to electromagnetic contactors (patent no 665537) | 1950 |

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|----------------|--|---------|
| IG3/4 | Ceased patents of the Donovan Electric Co, Birmingham | 1948-64 |
| IG3/4/9 | Improvements relating to automatic starters for electric motors (patent no 672031) | 1951 |
| IG3/4/1 | | 1951 |
| IG3/4/1 | 1 | 1951 |
| IG3/4/1 | I V | 1952 |

| IG3/4/13 | Improvements relating to electrical control apparatus for transfer and other machines (patent no 871471) together with letters patent | 1957 |
|----------|---|-----------|
| IG3/4/14 | Improvements relating to electrical switches (patent no 1044069) | 1964 |
| IG3/5 | Foreign patents taken out by the Igranic Electric Co | 1926-59 |
| 102/5/1 | Assetsalia | 1026 1044 |

| IG3/5/1 | Australia | 1926-1944 |
|----------|--|-----------|
| IG3/5/2 | Belgium | 1926-1932 |
| IG3/5/3 | Canada | 1927-1931 |
| IG3/5/4 | Denmark | 1933 |
| IG3/5/5 | France | 1926-37 |
| IG3/5/6 | Germany | 1929-30 |
| IG3/5/7 | Holland | 1934-35 |
| IG3/5/8 | Irish Free State - certificates of registration | 1921-26 |
| IG3/5/9 | Italy | 1926-31 |
| IG3/5/10 | New Zealand | 1944 |
| IG3/5/11 | South Africa | 1941-47 |
| IG3/5/12 | Spain | 1926-27 |
| IG3/5/13 | Sweden | 1927 |
| IG3/5/14 | United States of America | 1922-23 |
| IG3/5/15 | Patents relating to US Serial number 360674 (code BQQ) relating to | 1955-59 |
| | improvements in machines for counting and stacking flat articles) - Australia, | |
| | Austria, Belgium, France, Holland, Italy, Sweden, Switzerland | |

IG3/6 Foreign patents, some issued by Brookhirst Switchgear

| IG3/6 | Foreign patents, some issued by Brookhirst Switchgear | 1934-1971 |
|---------|---|-----------|
| IG3/6/1 | Australia – issued to Fawcett Preston and Co for improvements in electrical resistance heater structures (no 233,725) | 1961 |
| IG3/6/2 | Australia - issued to Brookhirst Igranic for improvements in electric lamp fittings (no 237888) | 1962 |
| IG3/6/3 | Austria - issued to Cutler Hammer (no 294977) | 1971 |
| IG3/6/4 | Belgium - Brookhirst Switchgear - no 577722 | 1959 |
| IG3/6/5 | France - Brookhirst Switchgear no 1219949 | 1959 |
| IG3/6/6 | Germany - Brookhirst Igranic - no 1228275 | 1955 |
| IG3/6/7 | Netherlands - Brookhirst Switchgear no 90394 | 1959 |
| IG3/6/8 | South Africa - Brookhirst Switchgear - no 2710/55 (with copy of British Patent specification no 797587) | 1956 |
| IG3/6/9 | United States - Stanley Robt Wright - improvements in overload switches (no 1875821) | 1934 |
| | | |

IG3/7 British Patents - issued to Igranic, Brookhirst Switchgear or Brookhirst 1953-71 Igranic [see also patents register IG2/1]

| IG3/7/1 IG3/7/2 | Specifications - Improvements - electric motor controllers (Patent no 731360) Specifications - Improvements - control means for induction motors (Patent no 772596 | 1953 1954 |
|-------------------------------|---|----------------------|
| IG3/7/3 | Specifications - Improvements - machines for stacking flat articles (Patent no 781652) | 1954 |
| IG3/7/4 IG3/7/5 IG3/7/6 | Specifications - Improvements - newspaper conveyors (Patent no 785042) Specifications - Improvements - snap action mechanisms (Patent no 805662) Specifications - Improvements - snap action limit switch mechanisms, for | 1955 1956 1958 |

| IG3/7 | British Patents - issued to Igranic, Brookhirst Switchgear or Brookhirst Igranic [see also patents register IG2/1] switches (Patent no 857647) | 1953-71 |
|----------|--|---------|
| IG3/7/7 | Specifications - Improvements - mult-unit electric contractors (Patent no 859625) | 1958 |
| IG3/7/8 | Specifications - Improvements - electrical connecting devices (Patent no 869810) | 1959 |
| IG3/7/9 | Specifications - Improvements - snap action electric switches (Patent no 873761) | 1959 |
| IG3/7/10 | Specifications - Improvements -electric switchgear, motor starters, contactors, etc (Patent no 882732) | 1960 |
| IG3/7/11 | Specifications - Improvements -electrical contact devices (Patent no 933162) | 1961 |
| IG3/7/12 | Specifications -Push button mechanism (Patent no 934797) (code BZB) | 1960 |
| IG3/7/13 | Specifications - Speed control systems for electric motors (Patent no 948093) | 1962 |
| IG3/7/14 | Specifications -conveyor apparatus (Patent no 961717) (BZA) | 1960 |
| IG3/7/15 | Specifications - Improvements - electro-magnetic brakes (Patent no 989631) | 1962 |
| IG3/7/16 | Specifications - Improvements - brake assemblies (Patent no 1230319) | 1964 |
| IG3/7/17 | Specifications - Improvements - conveyor systems (Patent no 1051178) (CDJ) | 1964 |
| IG3/7/18 | Specifications - Improvements - electric switches (Patent no 1079012) | 1964 |
| IG3/7/19 | Specifications - pushbutton electric swtich operation with maintaining | 1967 |
| 105///17 | mechanism (Patent no 1111405) (CFL) | 1907 |
| IG3/7/20 | Specifications - measurement classification apparatus (Patent no 1113770) (CFM) | 1966 |
| IG3/7/21 | Specifications - electro-mechanical device for producing an operation signal on a machine (1120116) | 1966 |
| IG3/7/22 | Specifications - Electrical distribution apparatus (1134051) | 1966 |
| IG3/7/23 | Specifications - Pneumatic timing devices (1161382) (CGC) | 1967 |
| IG3/7/24 | Specifications - Improvements - electrical contactors (1213496) | 1969 |
| IG3/7/25 | Specifications - mechanism for re-orienting spaced apart ones of flat articles being conveyed as a stream n overlapped relation (1235241) (CHE) | 1971 |
| IG3/7/26 | Letters Patent (with specifications attached): Improvements - control means for induction motors (772596) | 1954 |
| IG3/7/27 | Letters Patent (with specifications attached): Improvements - relating to newspaper conveyors (785042) | 1955 |
| IG3/7/28 | Letters Patent (with specifications attached): Improvements - relating to plunger actuated electric switches (833435) (BUK) | 1956 |
| IG3/7/29 | Letters Patent (with specifications attached): Improvements - relating to electrical resistance structures, (Fawcett Preston and Co Ltd) (890837) | 1958 |
| IG3/7/30 | Letters Patent (with specifications attached): Improvements - multi-unit electric contactors (859625) | 1958 |
| IG3/7/31 | Letters Patent (with specifications attached): Improvements - snap action limit switch mechanisms for switches (857647) | 1958 |
| IG3/7/32 | Letters Patent (with specifications attached): Improvements - electric lamp and like fittings (880615) | 1959 |
| IG3/7/33 | Letters Patent (with specifications attached): Improvements - proximity sensing electric switching (907189) | 1959 |
| IG3/7/34 | Letters Patent (with specifications attached): Improvements : electrical connecting devices (869810) | 1959 |
| IG3/7/35 | Letters Patent (with specifications attached): Improvements : snap action electric switches (873761) | 1959 |
| IG3/7/36 | Letters Patent (with specifications attached): Improvements : electrical contact devices (laminated plug contact) (933162) | 1961 |
| IG3/7/37 | Letters Patent (with specifications attached): Speed control systems for electric motors (948093) | 1962 |
| IG3/7/38 | Letters Patent (with specifications attached): Improvements - plunger actuating mechanisms (958805) | 1962 |
| IG3/7/39 | Letters Patent (with specifications attached): Improvements - brake assemblies (1030319) | 1964 |
| IG3/7/40 | Letters Patent (with specifications attached): Improvements - electric switches (1079012) | 1964 |

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| IG3/7 | British Patents - issued to Igranic, Brookhirst Switchgear or Brookhirst Igranic [see also patents register IG2/1] | 1953-71 |
|----------|--|---------|
| IG3/7/41 | Letters Patent (with specifications attached):Electro-mechanical device for an operation signal on a machine (1120116) | 1966 |
| IG3/7/42 | Letters Patent (with specifications attached): Electrical distribution apparatus (1134051) | 1966 |
| IG3/7/43 | Letters Patent (with specifications attached):Improvements - electrical contactors (1213496) | 1969 |
| IG3/7/44 | Letters Patent: pushbutton assemblies (1235114) | 1968 |
| IG3/7/45 | Letters Patent (with specifications attached): electromagnetic relay apparatus (1304158) | 1971 |
| IG3/7/46 | Letter Patent (with specification attached) (1334571): circuit for stabilising electricity supply reactive power | 1971 |

IG3/8 British patents - code cases [for numbers BQQ - BYU see IG2/1-2] 1948-1971

| $IC_{2}/9/1$ | Improvementa lifting magnete | 1948 |
|--------------------|---|--------------|
| IG3/8/1 IG3/8/2 | Improvements - lifting magnets Improvements - electrical contact devices | 1948 |
| IG3/8/2 IG3/8/3 | BQQ (patent no 781652) | 1950 |
| IG3/8/3 IG3/8/4 | BRY (patent no 790371) | 1954 |
| | BSH (patent no 797049) | 1955 |
| IG3/8/5 IG3/8/6 | | 1955 |
| | BUS (patent no 861762) | |
| IG3/8/7 | BVJ (patent no 875535) DVK (restant no 877052) | 1957 |
| IG3/8/8 | BVK (patent no 877053) | 1957 |
| IG3/8/9 | BVL (patent no 868652) | 1958 1958 |
| IG3/8/10 | BVV (patent no 886253) DVZ (content no 91712() | |
| IG3/8/11 | BXZ (patent no 917126) | 1961 |
| IG3/8/12 | BYA (patent no 881259) DVC (castert no 878452) | 1960 |
| IG3/8/13 | BYC (patent no 878452) | 1960 |
| IG3/8/14 | BYF (patent no 918990) | 1960 |
| IG3/8/15 | BYU (patent no 944281) | 1960 |
| IG3/8/16 | BZA (patent no 961717) conveyor apparatus | 1960 |
| IG3/8/17 | BZB (patent no 934797) push button mechanism | 1960 |
| IG3/8/18 | BZP (patent no 920756) stacking and jogging machines | 1961 |
| IG3/8/19 | BZP (patent no 965263) imps in conveyor systems | 1961 |
| IG3/8/20 | BZU (patent no 90883) conveyor systems | 1961 |
| IG3/8/21 | BZX (patent no 986387) imps in electric switches | 1961 |
| IG3/8/22 | CAB (patent no 921563) imps in foot or palm actuable electric switches | 1961 |
| IG3/8/23 | CAF (patent no 932158) imps in time delay devices | 1961 |
| IG3/8/24 | CAI (patent no 917479) electromagnetic relay | 1961 |
| IG3/8/25 | CAO (patent no 1009833) imps in electromagnetic contactors | 1961 |
| IG3/8/26 | CAV (patent no 971267) imps in electric switch assemblies | 1961 |
| IG3/8/27 | CAX (patent no 959857) imps for displacing units moving along conveyors | 1962 |
| IG3/8/28 | CAY (patent no 97147) code responsive systems | 1962 |
| IG3/8/29 | CBA (patent no 956824) imps in moulding of contact carrier assemblies | 1962 |
| IG3/8/30 | CBC (patent no 974277) electric switch unit | 1962 |
| IG3/8/31 | CBS (patent no 969137) electrical switch unit | 1962 |
| IG3/8/32 | CCD (patent no 978814) electrical contact | 1963 |
| IG3/8/33 | CCF (patent no 986920) measuring system | 1963 |
| IG3/8/34 | CCG (patent no 983537) imps in counting system | 1963 |
| IG3/8/35 | CCI (patent no 968320) power supply for inductive loads | 1963 |
| IG3/8/36 | CCQ (patent no 985008) static switching circuits | 1963 |
| IG3/8/37 | CCU (patent no 1001730) imps in mechanism control systems | 1964 |
| IG3/8/38 | CCV (patent no 1013553) imps in sealed magnetic switching devices | 1964 |
| IG3/8/39 | CCY (patent no 999215) imps in artical transfer mechanisms | 1964 |
| IG3/8/40 | CCZ (patent no 1034275) imps in stack wrapping machines | 1964 |
| IG3/8/41 | CDA (patent no 1034161) imps in article wrapping machines | 1964 |
| IG3/8/42 | CDB (patent no 1056514) current sensing devices | 1964 |
| IG3/8/43 | CDC (patent no 1056248) imps in magnetically operated electrical switches | 1964 |
| | and relays | |
| | | |

| IG3/8 | British patents - code cases [for numbers BQQ - BYU see IG2/1-2] | 1948-1971 |
|----------|--|-----------|
| IG3/8/44 | CDF (patent no 1008614) imps in load control systems | 1964 |
| IG3/8/45 | CDG (patent no 1029764) imps in material dispensing systems | 1964 |
| IG3/8/46 | CDH (patent no 1013098) imps in pulse generating circuits | 1964 |
| IG3/8/47 | CDI (patent no 1000345) imps in mechanisms for feeding webs | 1964 |
| IG3/8/48 | CDJ (patent no 1051178) imps in conveyor systems | 1964 |
| IG3/8/49 | CDK (patent no 1045465) imps in proximity switching systems | 1964 |
| IG3/8/50 | CDL (patent no 1072792) imps in electromagnetic relays | 1964 |
| IG3/8/51 | CDM (patent no 1041126) imps in counting systems | 1964 |
| IG3/8/52 | CDQ (patent no 1064029) switch operating mechanism | 1964 |
| IG3/8/53 | CDR (patent no 1062327) electrical controller | 1964 |
| IG3/8/54 | CDT (patent no 1040191) article counting device | 1965 |
| IG3/8/55 | CDV (patent no 1086146) frequency sensitive systems and phase sensitive systems | 1965 |
| IG3/8/56 | CDY (patent no 1103731) motor control systems | 1965 |
| IG3/8/57 | CDX (patent no 110862) reversible shift registers | 1965 |
| IG3/8/58 | CDZ (patent no 1044415) imps in printing press mist control apparatus | 1965 |
| IG3/8/59 | CEB (patent no 1107151) imps in control systems for electric motors | 1965 |
| IG3/8/60 | CED (patent no 1047916) electric inverter | 1965 |
| IG3/8/61 | CEE (patent no 1047917) variable frequency supply system | 1965 |
| IG3/8/62 | CEF (patent no 1120994) multisable circuits | 1965 |
| IG3/8/63 | CEG (patent no 1060217) roller slat conveyors | 1965 |
| IG3/8/64 | CEH (patent no 1054007) securing device for a push button device | 1965 |
| IG3/8/65 | CEI (patent no 1062228) pushbutton devices with interlocks | 1965 |
| IG3/8/66 | CEQ (patent no 1134054) motor control systems | 1966 |
| IG3/8/67 | CEW (patent no 1086764) feeder device for use in bundle typing machines | 1966 |
| IG3/8/68 | CEX (patent no 1134653) one piece bus bar support | 1966 |
| IG3/8/69 | CFH (patent no 1137747) counter stacker system | 1966 |
| IG3/8/70 | CFL (patent no 1111405) pushbutton switch operator with maintaining | 1967 |
| | mechanism | |
| IG3/8/71 | CFM (patent no 1113770) measurement classification apparatus | 1966 |
| IG3/8/72 | CFN (patent no 1160341) sealed switches or contact units | 1967 |
| IG3/8/73 | CFO (patent no 1144286) illuminated pushbutton operating mechanism for | 1967 |
| IG3/8/74 | electrical switch assembly CFP (patent no 1147721) pushbutton sub-assembly for pushbutton electrical | 1967 |
| | switch assembly | -, •, |
| IG3/8/75 | CFQ (patent no 1148283) pushbutton sub-assembly for pushbutton electrical switch assembly | 1967 |
| IG3/8/76 | CFV (patent no 1171209) cubicles for housing electrical control apparatus | 1967 |
| IG3/8/77 | CGC (patent no 1161382) pneumatic timing devices | 1967 |
| IG3/8/78 | CGD (patent no 1143159) transfer conveyor systems | 1967 |
| IG3/8/79 | CGE (patent no 1151626) electric switches | 1967 |
| IG3/8/80 | CGG (patent no 1160342) electromagnetic switching devices | 1967 |
| IG3/8/81 | CGK (patent no 1200671) imps in ink mist suppression electrodes | 1968 |
| IG3/8/82 | CGL (patent no 1204396) compact electridal contact block with electrically isolated bridging contacts | 1968 |
| IG3/8/83 | CGS (patent no 1167702) electromagnetic switching device | 1968 |
| IG3/8/84 | CGT (patent no 1169131) linearly operated electric switch | 1968 |
| IG3/8/85 | CHE (patent no 1235241) mechanism for re-orienting spaced-apart ones of flat articles being coveyed as a stream in overlapping relation (no specification) | 1969 |
| IG3/8/86 | CHQ (patent no 1228349) apparatus for receiving and stacking articles in counted batches (no specification) | 1969 |
| IG3/8/87 | CIG (patent no 1256212) conveyor apparatus | 1970 |
| IG3/8/88 | CJA (patent no 1275022) article counter stacker having mechanically operated | 1970 |
| 100,000 | gates on the stack receiving table (no specification) | 1771 |
| IG3/8/89 | CJJ (patent no 1320816) conveyor | 1971 |
| IG3/8/90 | CKI (patent no 1335587) method and apparatus for placing a wrap around 3 | 1971 |
| 100,0000 | sides of an article | 1771 |

| IG3/9 | Transfer of patents between Igranic and Brookhirst | 1960-62 |
|----------|--|------------------|
| IG3/9/1 | Correspondence regarding transfer of patents from Igranic Electric to Brookhirst Igranic, to simplify management of patents. With list of patents concerned, 1961-62. With copy of agreement of transfer from Igranic electric to Brookhirst Igranic of all assets, buildings, goodwill etc. 19 Dec 1960 | 1960-62 |
| IG3/9/2 | Correspondence regarding transfer of patents from Brookhirst Switchgear to Brookhirst Igranic, to simplify management of patents. With list of patents concerned | 1961-62 |
| IG3/10 | Patent cases | 1943-54 |
| IG3/10/1 | 3 applications by Concordia Electric Lamps, Cardiff and Elcordia, Cardiff (presumably the same firm), concerning an alledged infringement of a patent by Igranic's Lo-vo-lite equipment. As Igranic could show that they had manufactured this equipment in 1935 which was about 18 months before the patent was issued to Concordia, all 3 applications failed | 1943, 1950, 1954 |
| IG3/10/2 | Correspondence etc regarding a 'Memoriser' produced for the use of 'Igranic' staff. Chas Letts (diaries) tried to stop them producing such a memoriser, in which the pencil was held in a hollow tube, inside the cover, for which Letts were submitting a patent in 1952. Igranic said that they had used method since 1935 and produced a 1938 memoriser in evidence. Letts withdrew patent. | 1952 |

| IG4 | Design, production, contracts and sales | 1919-1959 |
|---|--|--|
| IG4/1 | Design and drawing office | 1919-1959 |
| IG4/1/1 | Certificate of registration of design fo an adjusting knob for use in the construction of radio instruments (no 722599) issued to the Igranic Electric Co. Envelope marked 'Igranic Pacent' | 13 July 1926 |
| IG4/2 | Production | 1919-1959 |
| IG4/2/1 | Minutes of the Joint Production Committee | Dec 1947 - Dec 1950 |
| IG4/3 | Contracts | 1919-1959 |
| IG4/3/1 | Binder containing dyelines on linen of EP drawings with notes from the design and drawing offices. Used by D E Richards, contracts department. The drawings show the detailed specifications of various components etc. | 1950-1965 |
| IG4/4 | Sales | 1919-1959 |
| IG4/4/1 | Binder used by the Sales office for filing internal communications and additional information re products, orders etc. | 1919-1930 |
| IG4/4/2 | Internal correspondence regarding particulars, information and advertising matter reeived by the Adams Mfg Co Ltd from the Cutler Hammer Mfg Co. | May 1911 |
| IG5 IG5/1 | Trade Marks Certificates of registration [see IG2/1 for details] | |
| IG5/1/1 IG5/1/2 IG5/1/3 IG5/1/4 IG5/1/5 IG5/1/6 IG5/1/7 IG5/1/8 IG5/1/9 IG5/1/10 IG5/1/10 IG5/1/12 IG5/1/13 IG5/1/14 IG5/1/15 IG5/1/16 | Trade mark no 254366 and 331508 (transfer from Adams) Trade mark no 372993 Igranic Trade mark no 373021 Igranic Trade mark no 373022 Igranic Trade mark no 373023 Igranic Trade mark no 373024 Igranic Trade mark no 377958 Igranite Trade mark no 434798 Gimbolder Trade mark no 434798 Gimbolder Trade mark no 456410 Ultrynic Trade mark no 456410 Ultrynic Trade mark no 463700 Nillos Trade mark no 463700 Nillos Trade mark no 464063 Nonmic Trade mark no 465320 Igranic Pacent Trade mark no 470042 Trigranic Trade mark no 470281 Triunnicome | n.d. n.d. n.d. n.d. n.d. n.d. n.d. n.d. |
| IG5/1/16 IG5/1/17 IG5/1/18 IG5/1/19 IG5/1/20 IG5/1/20 IG5/1/21 IG5/1/23 IG5/1/24 IG5/1/25 IG5/1/26 IG5/1/27 IG5/1/28 IG5/1/29 | Trade mark no 472329 Unitime Trade mark no 474786 Neutrosonic Trade mark no 482810 Gramovox Trade mark no 482811 Phonovox (covering letter only) Trade mark no 486835 XLLOS with silhouette Trade mark no 493616 Megostat Trade mark no 493616 Megostat Trade mark no 494497 Phonotrol Trade mark no 494497 Igranikit Trade mark no 494923 Igranikit Trade mark no 495881 Pentoformer Trade mark no 499862 Igranophone Trade mark no 504138 Biogranic Trade mark no 504139 Triogranic Trade mark no 520868 Pentrovol Trade mark no 526650 Igranovox | n.d. n.d. n.d. n.d. n.d. n.d. n.d. n.d. |

| IG5 | Trade Marks | |
|----------------------|--|--------------|
| IG5/1 | Certificates of registration [see IG2/1 for details] | |
| 105/1/20 | | |
| IG5/1/30 | Trade mark no 541050 Igranicor | n.d. |
| IG5/1/31 | Trade mark no 550496 Thermentor | n.d. |
| IG5/1/32 | Trade mark no 556973 Igranitl | n.d. |
| IG5/1/33 | Trade mark no 570355 Lo-vo-lite Trade mark no 606354 CondITLe | n.d. |
| IG5/1/34 IG5/1/35 | | n.d. n.d. |
| IG5/1/35 IG5/1/36 | Trade mark no 619654 Opotor Trade mark no 663888 Torquil | n.d. |
| IG5/1/30 IG5/1/37 | Trade mark no 666858 Casquil | n.d. |
| IG5/1/38 | Trade mark no 701685 Igranohm | n.d. |
| IG5/1/39 | Trade mark no 739409 Igranohm | n.d. |
| IG5/1/40 | Trade mark no 740187 Igranite | n.d. |
| IG5/1/41 | Trade mark no 742690 Igranite | n.d. |
| IG5/1/42 | Trade mark no 760589 Igrastat | n.d. |
| IG5/1/43 | Trade mark no 795933 Bi-Stat | n.d. |
| | | |
| IG5/1/44 | Trade mark no B859033 Multibuild - class 9, electrical control apparatus; electrical switchboards, and parts and fittings | n.d. |
| IG5/1/45 | Trade mark no 859034 Costmaster - class 9, switchboards and parts and fittings therefor | n.d. |
| IG5/1/46 | Trade mark no B905150 device incorporating ia (Industrial Automation Controls Ltd); electric control apparatus incorporating switchgear, transformers and meters etc. | n.d. |
| IG5/1/47 | Trade mark no 915389 device incorporating bhi - Class 7, brakes and clutches, all being electrically operated and for use with machinery, conveyors, stacking apparatus, all for handling newspapers | n.d. |
| IG5/1/48 | Trade mark no 915390 bhi - Class 9, electrical apparatus (many uses) | n.d. |
| IG5/1/49 | Trade mark no 915391 bhi - Class11, electric lighting fittings for bench and machine mounting | n.d. |
| IG5/1/50 | Trade mark no B919742 Powerblok - class 9, electric motor starters etc | n.d. |
| IG5/2 | Correspondence regarding renewal of trade marks [see IG2/1-2] | 1903-1968 |
| IG5/2/1 | Igranic including Igranic in silhouette (trade mark no 254366) | 1903-1959 |
| IG5/2/2 | Conspede (trande mark no 331508) | 1911-1967 |
| IG5/2/2 IG5/2/3 | Igranic and plate and circle trade mark design (372993, 373021-024, 437252) | 1937-1972 |
| IG5/2/4 | Igranite (trade mark no 377958) | 1917-1973 |
| IG5/2/5 | Clapper (trade mark no 380203 - not granted) | 1917-1918 |
| IG5/2/6 | Preset (trade mark no 428421 - not obtainable) | 1922 |
| IG5/2/7 | Gimbolder (trade mark no 434798) | 1923-1937 |
| IG5/2/8 | What are the Wild Waves Saying (trade mark no 438433 - not granted) | 1923 |
| IG5/2/9 | 'Igranic' for radio apparatus (trade mark no 437252) | 1923-1965 |
| IG5/2/10 | Vernob (trade mark no 439226) | 1923-1937 |
| IG5/2/11 | Honeycomb (trade mark no 459684 - not granted) | 1925 |
| IG5/2/12 | 'Indigraph' for wire-less apparatus (trade mark no 460297) | 1925-1967 |
| IG5/2/13 | 'Igrametric' for use with radio (trade mark no 465342) - the suggested name Orthometric having been rejected | 1925-1967 |
| IG5/2/14 | Trigranic (trade mark no 470042) | 1926-1968 |
| IG5/2/14 IG5/2/15 | Silhouette without the name 'Igranic' (trade mark no 473846) not granted | 1926-1930 |
| IG5/2/16 | Neutrosonic (trade mark no 474786) | 1926-168 |
| IG5/2/17 | Phonovox (trade mark no 482811) | 1927-1928 |
| IG5/2/18 | Urelite (registered by the Cutter Co., Philadelphia, USA) (trade mark no 485241) | 1927-1929 |

| IG5/2 | Correspondence regarding renewal of trade marks [see IG2/1-2] | 1903-1968 |
|----------------------|---|------------------------|
| IG5/2/19 | Autobilt (not proceeded with) | 1928 |
| IG5/2/20 | Megostat (trade mark no 493616) | 1928-1970 |
| IG5/2/21 | Phonotrol (trade mark no 494497) | 1928-1970 |
| IG5/2/22 | IgranITL (trade mark no 556973) | 1934-1962 |
| IG5/2/23 | Brookhirst in device (trade mark no B627488) | 1944-1964 |
| IG5/2/24 | Casquil (trade mark no 666858) | 1948-1968 |
| IG5/2/25 | Igranohm (trade mark no 701685) - class 17 | 1951-1972 |
| IG5/2/26 | Igranohm (trade mark no 739409) - class 9 | 1955-1962 |
| IG5/2/27 | Igranite (trade mark no 740187) - class 17 | 1955-1962 |
| IG5/2/28 | Igranite (trade mark no 742690) - class 1 | 1955-1962 |
| IG5/2/29 IG5/2/30 | Igrastate (trade mark no 760589) Panelpak (trade mark no 868422) | 1956-1963 1964-1965 |
| IG5/2/30 IG5/2/31 | Mini-mural (trade mark no 872806 - not granted) | 1964-1965 |
| IG5/2/31 IG5/2/32 | Powereed (trade mark no 888735 - not granted) | 1965-1966 |
| IG5/2/32 | Ministart (not registered) | 1963-64 |
| IG5/2/34 | Load-Pak (not registered) | 1964 |
| IG5/2/35 | Powerstart (not registered) | 1968 |
| IG5/3 | Permissions granted by Igranic for use of trade mark | 1929-30 |
| IG5/3/1 | Permision granted to the Pacent Reproducer Corp, New York, USA for registration for the trade mark 'Pacent-Reproducer' (no 505901) | 1929-30 |
| IG5/4 | Transfer of trade mark from Adams Co | 1906-1983 |
| IG5/4/1 | Correspondence regarding the use of the trade mark 'Adams Igranic' | 1911-1912 |
| IG5/4/2 | Photocopies of correspondence regarding the trade mark IGRANIC No 254366 first registered by the Sturtevant Engineering Co Ltd on May 9th 1903 and subsequently assigned to the Adams Manufacturing Co Ltd in 1911. | 1903-1917 |
| IG5/4/3 | Assignment of Goodwill and trade marks. The Adams Manufacturing Co Ltd (in Liquidation) to Igranic Electric Co Ltd | 13 Jan 1916 |
| IG5/5 | Registration of trade marks in various countries | 1923-69 |
| IG5/5/1 | Argentine - Igranic in silhouette (trade mark no 216819 later 332665) | 1933, 1954 |
| IG5/5/2 | Australia - Neutrosonic | 1928 |
| IG5/5/3 | Austria - Igranic (trade mark no 437252, 93106 renumbered 20565) | 1923-1950 |
| IG5/5/4 IG5/5/5 | Benelux - Igranic (trade mark no 052785) Belivia - Igranic (trade mark no 125870, formerly BM0854) | 1971 1956 |
| IG5/5/6 | Bolivia - Igranic (trade mark no 125870, formerly RM9854) Brazil - Igranic in silhousette, class 8 & 20 (trade mark no 262691) | 1923-1961 |
| IG5/5/7 | Brazil - Igranic, class 6 (trade mark no 293201) | 1925-1901 |
| IG5/5/8 | Burma - Igranic (trade mark no 2199) (Brit patents 254366, 373021-373024, 437252) | 1955 |
| IG5/5/9 | Canada - Igranic (NS356 register 1) | 1932 |
| IG5/5/10 | Canada - Igranic and in silhouette (NS 114 register 1) | 1932 |
| IG5/5/11 | Ceylon - Igranic (trade mark no 16565) | 1955 |
| IG5/5/12 | Chile – Igranic (trade mark no 109113 renumbered 155895) | 1955 |
| IG5/5/13 | Columbia - Igranic (trade mark no 36738) | 1956 |
| IG5/5/14 | Cyprus - Igranic (trade mark no 5139) | 1955 |
| IG5/5/15 | Czecho-Slovakia - Igranic (trade mark no 23902) | 1923 |
| IG5/5/16 | Czecho-Slovakia - Igranic (trade mark no 152820) | 1956 |
| IG5/5/17 IG5/5/18 | Denmark - Igranic in silhouette (trade mark no 69/1924) Denmark - Igranic ((trade mark no 259/1923, later 912/45) | 1924 1923-1945 |
| IG5/5/18 IG5/5/19 | Ecuador - Igranic ((trade mark no 68) | 1923-1943 |
| IG5/5/20 | Egypt - Igranic (trade mark no 30868) | 1955 |
| | 0.r | 1,00 |

| IG5/5 | Registration of trade marks in various countries | 1923-69 |
|----------------------|--|--------------|
| IG5/5/21 | Finland - Igranic (trade mark no 7568 renumbered 29508) | 1924-1946 |
| IG5/5/22 | France - Igranic (trade mark no 46562 renumbered 61272) | 1923-1953 |
| IG5/5/23 | France - BHI (trade mark no 768904) | 1968 |
| IG5/5/24 | Greece - Igranic (trade mark no 20644) | 1955 |
| IG5/5/25 | Guernsey - Igranic (Brit no. 373021) | 1955 |
| IG5/5/26 | Hong Kong - Igranic (trade mark no 287/1956), class 7 | 1955 |
| IG5/5/27 | Hong Kong - Igranic (trade mark no 288/1956) class 9 | 1955 |
| IG5/5/28 | Hungary - Igranic (trade mark no 46092, renumbered 57730 and 76176) | 1923-1953 |
| IG5/5/29 | India - Igranic in silhouette (trade mark no 1461/25 renumbered 9912) | 1925-1942 |
| IG5/5/30 | Indonesia - Igranic (trade mark no 57883) | 1956 |
| IG5/5/31 | Irish Free State - certificates of validation of: Audioformer, Igranic, Vernob, Ultrynic and Gimbolder (trade mark no 8600-02, 8785, 8858) | 1937-39 |
| IG5/5/32 | Israel - Igranic (trade mark no 10925), class 7 | 1950 |
| IG5/5/33 | Israel - Igranic (trade mark no 10926) class 9 | 1950 |
| IG5/5/34 | Iran - Igranic (trade mark no 14637, formerly 788497) | 1955 |
| IG5/5/35 | Italy - Igranic (trade mark no 25395 and 98934) | 1923-1950 |
| IG5/5/36 | Japan - Igranic (trade mark no 90904 later 311864) | 1925-1939 |
| IG5/5/37 | Jersey - Igranic (reg of 373021) | 1955 |
| IG5/5/38 | Jersey - Igranic (trade mark no 949) | 1959 |
| IG5/5/39 | Kenya - Igranic (trade mark no 7182) | 1956 |
| IG5/5/40 | Malaya - Igranic (trade mark no M/26256) | 1955 |
| IG5/5/41 | New Zealand - Igranic (trade mark no 23031) | 1926 |
| IG5/5/42 | Nigeria - Igranic (trade mark no 8419) | 1956 |
| IG5/5/43 | Norway - Igranic (trade mark no 10178) | 1923 |
| IG5/5/44 | Paraguay - Igranic (trade mark no 27250, formerly 18743) | 1956 |
| IG5/5/45 | Peru - Igranic (trade mark no 45521, formerly 73343) | 1955 |
| IG5/5/46 IG5/5/47 | Portugal - Igranic and device (trade mark no 31967) Portugal – Igranic (trade mark no 30943) | 1924 1924 |
| IG5/5/48 | Northern Rhodesia - Igranic (trade mark no 2068) | 1924 |
| IG5/5/49 | Southern Rhodesia - Igranic (trade mark no 294/1950) | 1950 |
| IG5/5/50 | Singapore - Igranic (trade mark no 19713) | 1955 |
| IG5/5/51 | South Africa - Igranic in shilhouette (trade mark no 806/25) | 1935 |
| IG5/5/51 IG5/5/52 | South Africa - Igranic (trade mark no 603/55) | 1925 |
| IG5/5/52 IG5/5/53 | South Africa - Igranic (trade mark no 603/55/1) | 1955 |
| IG5/5/54 | South Africa - Igranic (trade mark no 603/55/2) | 1955 |
| IG5/5/55 | South Africa - Igranic (trade mark no 69/0979) | 1969 |
| IG5/5/56 | Spain - Igranic in silhouette (trade mark no 52493) | 1924-1945 |
| IG5/5/57 | Spain - Igranic (trade mark no 49576) | 1923-1963 |
| IG5/5/58 | Spain - Igranic in silhouette (trade mark no 52493A) | 1945 |
| IG5/5/59 | Sweden - Igranic (trade mark no 26993) | 1923 |
| IG5/5/60 | Sweden - Igranic in silhouette (trade mark no 27810) | 1923 |
| IG5/5/61 | Switzerland - Igranic in silhouette (trade mark no 59515 now 111794) | 1925 |
| IG5/5/62 | Thailand (Siam) - Igranic (trade mark no 16955) | 1955 |
| IG5/5/63 | Uganda - Igranic (trade mark no 4198) | 1955 |
| IG5/5/64 | Uruguay - Igranic (trade mark no 85218) | 1962 |
| IG5/5/65 | Venezuela - Igranic (trade mark no 32797-F, formerly 337) | 1957 |
| IG5/5/66 | Zambia (formerly Northern Rhodesia) (trade mark no 2070) | 1950 |
| IG5/6 | Foreign Trade Marks - correspondence | 1917-1974 |
| IG5/6/1 | General correspondence, giving list of countries in which it is proposed to seek registration etc | 1925-1926 |
| IG5/6/2 | General correspondence and information about foreign firms using wishing to use trade marks similar to Igranic etc | 1925-1927 |
| IG5/6/3 | Correspondence of the Pacent Electric Co concerning registration of the Audioformer trade mark in Ireland | 1925-1928 |

| IG5/6 | Foreign Trade Marks - correspondence | 1917-1974 |
|----------|--|-----------|
| IG5/6/4 | Correspondence regarding the registration of Igranic in Europe | 1923-1955 |
| IG5/6/5 | Argentine - Igranic in silhouette (various numbers) | 1933-1974 |
| IG5/6/6 | Australia - Igranic (mainly trade mark no 46272) | 1940-1970 |
| IG5/6/7 | Australia - Igranic (trade mark no 42335) | 1925-1967 |
| IG5/6/8 | Australia - Brookhirst in device (trade mark no A94124) | 1951-1964 |
| IG5/6/9 | Bangladesh - Igranic in silhouette | 1973-1974 |
| IG5/6/10 | Belgium- Igranic (trade mark no 27529, later 43067) | 1932-1962 |
| IG5/6/11 | Belgian Congo - Igranic (trade mark no 4657) | 1956-1969 |
| IG5/6/12 | Bolivia - Igranic (trade mark no 12587C) | 1955-1966 |
| IG5/6/13 | Brazil - Igranic in silhouette (various trade mark nos including 262691, formerly 23500, and 293201) | 1942-1969 |
| IG5/6/14 | Burma- Igranic (trade mark no 2199) | 1955-1962 |
| IG5/6/15 | Canada - Igranic and Igranic in silhouette (trade mark no NS 356) | 1932-1962 |
| IG5/6/16 | Ceylon - Igranic (trade mark no 16565) | 1955-1969 |
| IG5/6/17 | Chile - Igranic (trade mark no 109113, now 155895) | 1955-1967 |
| IG5/6/18 | Columbia - Igranic (trade mark no 36738) | 1955-1970 |
| IG5/6/19 | Cyprus - Igranic (trade mark no 5139) | 1955-1962 |
| IG5/6/20 | Czechoslovakia - Igranic (trade mark no 152820) | 1956-1966 |
| IG5/6/21 | Denmark - Igranic - including small booklet on Igranic Newspaper conveyors (trade mark no 912/45) | 1923-1965 |
| IG5/6/22 | Denmark - Igranic in silhouette (trade mark no 69/24) | 1924-1963 |
| IG5/6/23 | Ecuador - Igranic (trade mark no 68) | 1962 |
| IG5/6/24 | Egypt - Igranic (trade mark no 30868) | 1956-1966 |
| IG5/6/25 | Eire - Igranic (trade mark no 8785, renumbered 52076) | 1930-1965 |
| IG5/6/26 | Finland - Igranic (trade mark no 7568-20508) | 1934-1966 |
| IG5/6/27 | France - Igranic (trade mark no 32538, refiled 46562 and 61272) | 1923-1969 |
| IG5/6/28 | France - bhi (trade mark no 768904) | 1968-1970 |
| IG5/6/29 | West Germany - Igranic (trade mark no 309202) | 1923-1973 |
| IG5/6/30 | Greece - Igranic (trade mark no 20644) | 1955-1965 |
| IG5/6/31 | Holland - Igranic (trade mark no 87003, formerly 46365) includes certificates of registration | 1946-1963 |
| IG5/6/32 | Holland - Igranic for radio apparatus (trade mark no 64847) includes certificates of registration | 1933-1962 |
| IG5/6/33 | Hong Kong - Igranic (trade mark no 287/1956) | 1955-1962 |
| IG5/6/34 | India - Igranic in device (trade mark no 9912/42) | 1940-1971 |
| IG5/6/35 | Indonesia - Igranic (trade mark no 57883) | 1956-1974 |
| IG5/6/36 | Iran - Igranic (trade mark no 14637) | 1955-1965 |
| IG5/6/37 | Iraq - Igranic (trade mark no 4443) includes certificates of registration | 1955-1970 |
| IG5/6/38 | Israel - Igranic (trade mark no 10925) class 7 | 1950-1971 |
| IG5/6/39 | Israel - Igranic (trade mark no 10926) class 9 | 1950-1971 |
| IG5/6/40 | Italy - Igranic (trade mark no 98934) with certificate of registration | 1950-1970 |
| IG5/6/41 | Japan - Igranic (trade mark no 311864, formerly 90904) | 1917-1958 |
| IG5/6/42 | Jersey - Igranic (trade mark no 949) | 1955-1974 |
| IG5/6/43 | Kenya - Igranic (trade mark no 7182) | 1959-1970 |
| IG5/6/44 | Luxembourg - Igranic (trade mark no 21700, formerly 13341) with certificate of registration | 1955-1965 |
| IG5/6/45 | Malaya - Igranic | 1957-1962 |
| IG5/6/46 | New Zealand - Igranic in device (trade mark no 23031) | 1939-1967 |
| IG5/6/47 | Nigeria - Igranic (trade mark no 8419) | 1955-1970 |
| IG5/6/48 | Norway - Igranic (trade mark no 10178) | 1923-1973 |
| IG5/6/49 | Paraguay - Igranic (trade mark no 18743) | 1955-1965 |
| IG5/6/50 | Pakistan - Igranic in silhouette | 1949-1973 |
| IG5/6/51 | Peru - Igranic (trade mark no 73343) | 1955-1966 |
| IG5/6/52 | Portugal - Igranic (trade mark no 30943 and 124883) | 1924-1964 |
| IG5/6/53 | Portugal - Igranic in device (trade mark no 126721, formerly 31967)) | 1923-1974 |
| IG5/6/54 | Singapore - Igranic (trade mark no 19713) | 1955-1962 |
| IG5/6/55 | South Africa - Igranic in silhouette (trade mark no 806/25) class 8 and Igranic (69/0979) class 7 | 1939-1970 |
| IG5/6/56 | South Africa - Igranic (trade mark no 603/55/1 and 2) classes 9 and 11 | 1955-1969 |

| IG5/6 | Foreign Trade Marks - correspondence | 1917-1974 |
|----------|--|-----------|
| IG5/6/57 | South Africa - Brookhirst in device (trade mark no 98/48) | 1948-1964 |
| IG5/6/58 | Southern Rhodesia - Igranic (trade mark no 294/1950) classes 6 and 8 | 1950-1964 |
| IG5/6/59 | Spain - Igranic in device (trade mark no 52493A) lifting magnets | 1945-1965 |
| IG5/6/60 | Spain - Igranic in device (trade mark no 52493) electric switches | 1944-1964 |
| IG5/6/61 | Spain - Igranic (trade mark no 49576) | 1923-1973 |
| IG5/6/62 | Sweden - Igranic in silhouette (trade mark no 27810) | 1923-1972 |
| IG5/6/63 | Sweden - Igranic (trade mark no 26993) | 1923-1973 |
| IG5/6/64 | Switzerland - Igranic in device (trade mark no 111794) | 1945-1965 |
| IG5/6/65 | Tanganyika - Igranic (trade mark no 4496) | 1955-1969 |
| IG5/6/66 | Thailand (Siam) - Igranic (trade mark no 16955) | 1955-1966 |
| IG5/6/67 | Turkey - Igranic (trade mark no 17342) with certificate of registration | 1955-1971 |
| IG5/6/68 | Uganda - Igranic (trade mark no 4198) | 1956-1962 |
| IG5/6/69 | Uruguay - Igranic (trade mark no 85,218) | 1956-1972 |
| IG5/6/70 | Venezuela - Igranic (trade mark no 32797) | 1956-1972 |
| IG5/6/71 | Zambia (Northern Rhodesia) - Igranic (trade mark nos 2068, 69, 70) | 1950-1973 |
| IG5/7 | Correspondence, list of trade marks etc concerned in the assignment by the Igranic Electric co to Brookhirst Igranic Ltd | 1959-1961 |

| IG6 | Employee handbooks and information | 1940-1978 |
|---------|---|--|
| IG6/1 | Igranic Electric Co Ltd working conditions and benevolent fund, social & sports club, hospital scheme and general information. | ż Jan 1940 |
| IG6/2 | 'Introducing Igranic' a handbook for staff empoyees of Igranic Electric C Includes photogaphs and a plan of the works | o Ltd. n.d. [c1950?] |
| IG6/3-5 | renumbered | |
| IG6/6 | Cutler-Hammer Europa emplyee handbook | c 1978 |
| IG6/7 | Intercom: the magazine of the Igranic Electric Co Ltd | 1948-June 1959 with gaps |
| | First published in December 1947 by the Publicity Department in 1950 responsibility of the Personnel Department. In July 1959 editorship r Publicity Department 'mainly because the demarcation line between Pub one of the functions of [the Publicity] department - and certain Works performed by INTERCOM and its Editor, is frequently so fine that it differentiate between them' (SH Pryor, Publicity Manager Intercom July this time it also became a joint magazine for employees in Bedford and new numbering system was employed see IG6/8 for magazines fromwards. See on-line catalogue for further details of holdings. | everted to the lic Relations - s Relations, as is difficult to 7 1959 p3). At Chester and a |
| IG6/8 | Intercom: The magazine of Brookhirst Igranic Limited. From July 1 closure of the Chester works in 1968 the magazine covered news from Chester. There were also regular reports from Europe and South Afr reorganisation of the company in 1969/70 coverage included various of the country, including the works at Melton Constable, Donovan's in Bin the new plant in Kelvin Avenue, Bedford. | n Bedford and rica. After the offices around |
| IG6/8/1 | New number sequence started. See on-line catalogue for further details of holdings. | July-Dec 1959 |
| IG6/8/2 | Intercom post 1959. After 1959 editions of the magazine were just gi number rather than a volume and piece number and became bimonthly. See on-line catalogue for further details of holdings. | ven a running 1960-1982 with gaps |
| IG6/9 | The Record - the Cutler-Hammer Quarterly Magazine. Includes article on the history of Brookhirst Igranic p5 | Winter 1971-72 |

| IG7 | Company Catalogues | 1916-1979 |
|--------|---|-------------|
| IG7/1 | Correspondence concerning the receipt by the copyright libraries of 'Igranic six Valve Supersonic Heterodyne Reciver' | 1925 |
| IG7/2 | Catalogue marked with the Igranic symbol containing copies of the various advertising leaflets issued for Igranic products at various dates, and kept in book form | 1916-1933 |
| IG7/3 | Keeping page in the Newspaper Plant', with photographs and diagrams and a list of papers using Igranic Newspaper conveyors | 1928 |
| IG7/4 | Cutler-Hammer catalogue containing copies of the various advertising leaflets issued for their products at various dates, and kept in book form | 1926-1931 |
| IG7/5 | Igranic leaflet no 1600 on magnetic separators | 1937 |
| IG7/6 | Booklet advertising Igranic control gear for A.C. motors - Division 1 (Export edition), with leaflets concerning D.C. motors loose inside | 1936-37 |
| IG7/7 | 'Control Gear for A.C Motors' Division 1, (second export edition) | 1938-40 |
| IG7/8 | 'Control Gear for A.C Motors' Division 1 (3rd edition) | 1938 |
| IG7/9 | 'Control Gear for A C Motors' | 1939 |
| IG7/10 | 'Control Gear for A C Motors' Third Export Edition | 1950 |
| IG7/11 | 'Brookhirst Machine Tool Control' | [post 1950] |
| IG7/12 | 'Igranic Stromag Electro-magnetic clutches' | 1956 |
| IG7/13 | 'Mult-disc electro-magnetic Clutches' Brookhirst Igranic Ltd | [1960?] |
| IG7/14 | 'Brookhirst Igranic Magnets' | [1960s?] |
| IG7/15 | 'Newspaper Counter-Stacker' booklet with extra information on loose sheets inside [incomplete] | [c 1960s?] |
| IG7/16 | Brookhirst Igranic price catalogue | 1960 |
| IG7/17 | Brookhirst Igranic P50 catalogue, giving items manufactured and separate price list | 1963 |
| IG7/18 | P50 catalogue | 1964 |
| IG7/19 | P50 catalogue | 1966 |
| IG7/20 | P50 catalogue | [c 1970?] |
| IG7/21 | Donovan Electrical Control Gear and Electronics Products | [1968?] |
| IG7/22 | 'Bistat R' - Thorn bhi, with supplements to price list inside | 1971 |
| IG7/23 | Cutler-Hammer Europa industrial control catalogue | 1977-1979 |
| IG7/24 | Xerox copy of Adams Manufacturing Co Ltd catalogue for Adams Cars. Includes detailed technical specification and notes on maintenance and photographs of the various models. At the back are a series of photographs of | 1911 |

| Acc 4660, 9273 | IG Records of Cutler Hammer Europa, Bedford | | |
|----------------------|--|---------------------|--|
| IG7 | Company Catalogues | 1916-1979 | |
| | Maurice and Henry Farman mono and bi-planes. | | |
| IG7/25 | Igranic Catalogues | 1918-1959 | |
| IG7/25/1 | Igranic Electric Control Devices Catalogue sheets marked 'DC Catalogue, R L Paice' | c1918-c1933 | |
| IG7/25/2 | Igranic Electric Control Devices catalogue marked 'AC catalogue sheets R L Paice' | c1920-1933 | |
| IG7/25/3 | Igranic Electric Control Devices catalogue marked 'Col B I Rolling' | 1922-1935 | |
| IG7/25/4 | Igranic Electric Co Ltd catalogue | 1951-62 | |
| IG7/25/5 | Igranic Electric Co Ltd Catalogue | 1954-1957 | |
| IG7/25/6 | Igranic Electric Co Ltd catalogue | 1955-1957 | |
| IG7/26 | Brookhirst Switchgear Ltd, Chester | 1954-1966 | |
| IG7/26/1 | Brookhirst catalogue 32 - Motor Control. Arranged into sections for AC components, DC components, AC starters, DC starters, Accessories and Standard Equipment for special applications. | 1954 | |
| IG7/26/2 IG7/26/3 | Brookhirst Motor Control catalouge Brookhirst Motor Conrol - Marine catalogue 31 | c 1956-58 c 1959 | |
| IG7/26/4 | Brookhirst motor control - spares catalogue | 1959 | |
| IG7/27 | Brookhirst Igranic Catalogues | | |
| IG7/27/1 | BHI off-the-shelf service catalogue | August 1969 | |
| IG7/27/2 | Brookhirst Igranic Crane Control Catalogue | n.d. late 1960s | |

| IG8 | Marketing and Public Relations | |
|----------|---|--|
| IG8/1 | Technical publications | |
| IG8/1/1 | Electric Control of Printing Machinery by Adams Manufacturing Co Ltd 2nd ed | n.d. c 1913 |
| IG8/1/2 | Stage Lighting: a booklet describing Adams Igranic Metallic dimmers (pamphlet no 7) | n.d. c 1913 |
| IG8/1/3 | Electric Control Gear applied to woodworking machinery (pamphlet no 8) | c 1913 |
| IG8/1/4 | 'A New Push-Button Control System' reprinted from The Engineer' | 6 Feb 1914 |
| IG8/1/5 | A Paper on Electric Motor Control Gear by J T Mould published by the Association of Supervising Electricians | 8 May 1917 |
| IG8/1/6 | 'How to build the Igranikit receiver' | nd c 1920s |
| IG8/1/7 | 'Some machine tools with Igranic Electric Control' | July 1932 |
| IG8/1/8 | 'A stitch in time' a booklet dealing with some of the fundamental princilples of Electric Motor Control Gear Maintenance. | May 1952 |
| IG8/1/9 | Leaflet on Cutler-Hammer Battery Charging Rheostats | n.d. c1920s? |
| IG8/1/10 | Leaflet on Cutler-Hammer lifting magnets | n.d. c 1920s? |
| IG8/1/11 | Cutler-Hammer's D120 'the expanding force in Programmable Controllers, printed under the Eaton logo. | n.d. 1980s |
| IG8/1/12 | Internal information regarding the connection of over travel limit switches | 5 Dec 1938 |
| IG8/1/13 | Leaflet on 'Hodac' switchboards | n.d. 1930s-40s? |
| IG8/1/14 | Folder containing information sheets on the installation and maintenance of Igranic Electric Co Ltd products. | 1943-1959 |
| IG8/2 | Publications relating to the history and organisation of the Company | |
| IG8/2/1 | Pages from the company magazine 'Intercom' containing extracts relating to the the Adams Manufacturing Co Ltd | c 1958 |
| IG8/2/2 | Metal Industries Ltd 'who we are what we do'. Booklet giving details of all the companies in the Metal Industries group | n.d. [pre 1959 as Brookhirst and Igranic are listed separately] |
| IG8/2/3 | Metal Industries Limited 'who we are what we do' | April 1960 |
| IG8/2/4 | M Group (Metal Industries Ltd) 'who we are what we do' [This edition no longer lists Igranic Electric S A (Pty) Ltd as a subsiduary of Brookhirst Igranic.] | Nov 1964 |
| IG8/2/5 | Two billheads from Brook Hirst & Co. Transferred to Cheshire RO 2/7/2002 | 1906-1983 |
| IG8/2/6 | 'Perfect Control' reprint of an article in Schope magazine for industry relating the history of the Brook Hirst Company | Jan 1948 |

| IG8/2 | Publications relating to the history and organisation of the Company | |
|-----------------------------|---|-----------------------|
| IG8/2/7 | '50 years ago' Commemorative publication on fifty years of Cutler-Hammer 1892-1942 | 1942 |
| IG8/2/8 | Cutler Hammer '75 year perspective on the future' a history of Cutler-Hammer 1892-1967 | 1967 |
| IG8/2/9 | 'BHI Gets Things Moving' publicity brochure giving details of principal products etc. [note on cover announces that on 26th April 1974 (after this brochure was printed) Brookhirst Igranic or BHI changed its name to Cutler- Hammer Europa Ltd | 1974 |
| IG8/2/10 | Cutler Hammer Industrial Controls, Eaton Corporation. Booklet giving brief details of the history of the company from 1906 with captioned photographs. Produced as a handout for an open day. | c 1978 |
| IG8/2/11 | Single sheet on Cutler Hammer Today and its research and development. | c 1979 |
| IG8/3 | Events | |
| IG8/3/1 IG8/3/1/1 | Homecoming of the Adams Car Three photographs of the Adams car IK268 probably during delivery to the Igranic works | 1964 c 1964 |
| IG8/3/1/2 | Postcard addressed to the Publicity Department re attendance at the | 1964 |
| IG8/3/1/3 | Homecoming of the Adams Car List of people invited to attend the ceremony for the homecoming of the Adams car, the list includes the donor 'W R Vincent, director of Vincents of Reading Limited. | 1964 |
| IG8/3/1/4 | Photograph of two men on board the Adams car. A sign on the car reads 'en route from Brookhirst Igranic to an honourable retirement in the Shuttleworth collection'. The photograph is overprinted with the message 'Merry Christmas' | 1964 |
| IG8/3/2 | Negative of 'message from the managing director' D W Kent to visitors to the open day | 4 Oct 1958 |
| IG8/3/3 | Exhibition photographs - series of photographs of the works etc produced for exhibition possibly for an open day at the works | c 1970s |
| IG8/3/3/1 | Interior of a plant possibly the Adams Works, with notice 'Three 350 Horse power crane controllers Adams Manufacturing Co | c 1970s |
| IG8/3/3/2 | Close up view of Igranic Control Device | c 1970s |
| IG8/3/3/3 | Close up of control device | 1970s |
| IG8/3/3/4 | Igranic fire brigade? unknown date | 1906-1983 |
| IG8/3/3/5 | Igranic ARP wardens? during second world war | 1906-1983 |
| IG8/3/3/6 | Adams Igranic Football Club 1906-7 | 1906-1983 |
| IG8/3/3/7 | View of tennis courts presumed to be the Igranic sports and social ground. | 1906-1983 |

| IG8/3/4 | Luncheon to meet E B Fitzgerald, Chairman of the board of Cutler- Hammer Including, Savoy Hotel, London | 1 June 1972 |
|---|---|---|
| IG8/3/4/1 | Luncheon menu | 1 June 1972 |
| IG8/3/4/2 | Who's Who. Pamphlet containing details of the VIP's attending the luncheon | 1 June 1972 |
| IG8/3/5 | Cutler-Hammer Board of Directors visit to Spain and England | 20-24 May 1973 |
| IG8/3/5/1 IG8/3/5/2 IG8/3/5/3 IG8/3/5/4 IG8/3/5/5 | Programme for the Directors Events Programme for the ladies events Programme for the Ladies day visit to Blenheim Palace and Oxfordshire Menu for dinner at the County Hotel, Bedford Menu for luncheon at the Dorchester Hotel, London | 20-24 May 1973 20-24 May 1973 23 May 1973 23 May 1973 24 May 1973 |
| IG8/4 | Advertising and Publicity Scrapbooks | |
| IG8/4/1 | Guard book embossed ' Adams Manufacturing Company Ltd Electros 1' Gives a sample and block number for various pictures and logos of Adams products etc indexed at front giving block details eg line block, half tone, etc. | 1906-с 1915 |
| IG8/4/2 | Guard book lettered 'E T Co Ld circulars etc. Contains press cuttings about the Igranic works some from local newspapers and others from technical magazines such as 'Electrical Engineering' | 1910 |

| IG9 | Photographs. Mainly of Igranic Electric Co and Brookhirst Igranic (BHI) products.[These photographs have been retained in the absence of any other record of the customers supplied by the company, however having no index and few dates they are of limited use.] | c1910-1974 |
|---------|---|-------------|
| IG9/1 | Photograph album containing 23 albumen prints of electric control devices etc all captioned. | n.d. c1910? |
| IG9/2 | Photograph albums numbered 1-37 containing gelatine photographic prints of Igranic and BHI products, some in situ and some in isolation. Although many of the photographs have a brief caption almost none are dated. Dates for each volume are deduced from cross- referencing negative numbers of photographs of known date with those without dates. There is no key to the numbering system and in many cases it was difficult to tell what the category was intended to be, the descriptions therefore should only be taken as a rough guide. | 1919-1969 |
| IG9/2/1 | Volume 1 'DC A1.1-A1.5.' | c1919-1919 |
| | A1.1 appears to be hand operated lever starters and switches, neg numbers W123-A2823 A1.2 - multiple lever starters, W190-A2959 A1.3 push button starters, A1079-2690 A1.4 heavy duty starters and switches, W122-A1004 A1.5 pillar panels, W37-A1825 | |
| IG9/2/2 | Volume 2: 'DC A1.9 - A5.2' A1.9 - starters, X309-A1452 A2.1 - regulators? many giving names of clients they were for, W120-A4048 A2.2 - drum controllers, W116-A3689 A2.9 - starters with shunt regulators, X114-A3683 A3.1 - shunt regulators?, W304-A3042 A3.9 - special regulators, W290-A1760 A5.1 contactors including orders for the admiralty, W104-A4005 A5.2 change over equipment, A62-3027 | C1919-1939 |
| IG9/2/3 | Volume 3: 'DC A5.3 - A6.3' A5.3 - relays, W92-A3777 A5.4 - trip and overload switches, W57-A1909 A5.5 - eddy current, X072-A3525 A6.1 - self acting starters, W54-A3897 A6.2 - special starter leaflet 110, W187-A3751 A6.3 - leaflet 125 self acting starter, W8-A3671 | 1919-1939 |
| IG9/2/4 | Volume 4: DC A6.4-A9.2 A6.4 - unclear possibly some sort of resistors, W111-A3118 A6.5 - pillar panels, W3-A3169 A6.9 - unclear various combinations, W117-A3371 A7.2 - push button regulator, W497-A3652 A7.9 - unclear but possibly to do with speed regulators, X494-A3861 A9.1 - mainlt steelworks motors many reversing, includes equipment in situ at Richard Thomas Ebbw Vale and at Karabuk iron & steel works, Turkey, A312-4032 A9.2 - for hoists and cranes, A1956-3986 | 1919-1939 |
| IG9/2/5 | Volume 5: DC A9.3-A9.10 A9.3 - crane protective panels, W159-A3987 A9.4 - control panels, W366-A2729 A9.5 - crane control equipment, W240-A2211 A9.6 - blast furnace equipment, X262-A3783 A9.7 - coal and coke handling equipment, W844-A2045 A9.8 - furnace equipment etc, A827-3630 A9.9 - wagon hoists and conveyors, W577-A3159 A9.10 - rubber mill calendar, X266-2393 | 1919-1939 |

| IG9/2/6 | Volume 6: DC A9.11-A9.19 A9.11 - eqipment for bridges, W570-A1804 A9.12 - paper mill (includes written explanation), A2044-3634 A9.13 - steelworks winch, W219-A2433 A9.14 - brewery plant, A3170-3171 A9.15 - engine testing equipment, X833-A1960 A9.16 - various eg control panel for train kitchen equipment etc, W394-A4010 A9.17 - laundry machines, X298-A3602 A9.18 - lifts, W107-A2222 A9.19 - controls for lathes, drills etc, W45-A4007 | 1919-1939 |
|----------|---|-----------|
| IG9/2/7 | Volume 7: DC A9.20 - A9.31 A9.20 - various but many seem to be for marine use, W376-A3669 A9.22 - printing press controllers many with name of client, W18-4006 A9.23 - pringing press controllers many with name of client, W510-A785 A9.24 - gas pressure controlled starters etc, W559-A3184 A9.25 - pump controllers including pump starters for mounting on an ARP trailer, A1639-3760 A9.26 - refrigerator control, A2194-3586 A9.27 - For Ward Leonard and Sisalkraft machines, X166-A3615 A9.28 - for steel work machines?, W226-A3798 A9.29 - starters etc for specialist machines particularly rolling equipment, W994-A3871 A9.30 - unknown, A13-15 A9.31 - unknown, X058-483 | C1919-39 |
| IG9/2/8 | Volume 8: AC B1.1 - B3.3 B1.1 - hand operated starter motor, X019-A450 B1.2 - hand operated star delta starter, W307-A3769 B1.3 - transformers, W932-A3156 B1.4 - rotor starters, W35-A2441 B1.5 - mostly overload switches, X952-A4033 B1.9 - A1967-3209 B2.1 - rotor starters etc, W550-A2734 B2.9 - A3239 B3.1 - contactors, W341-A4040 B3.2 - timers, X907-A3714 B3.3 - latched in contactors, X303-A3344 | 1919-1939 |
| IG9/2/9 | Volume 9: 'AC B4.1-B5.2' B4.1 - across and on the line starters, A3119-3894 B4.2 - starters many with particular safety features, A125-3657 B4.3 - contactor starters etc, W185-A3347 B4.4 - reversing across the line starters, A552-A305 B4.5 - starters etc for two or multi speed equipment, A2071-3196 B4.9 - Crampton pillans special ac starter, X071-A3658 B5.1 - self acting star delta starters, B5.2 - star delta startersA780-3791 | 1919-39 |
| IG9/2/10 | Volume 10: AC B5.3-B6.9 B5.3 - resistance starters, neg numbers W103-A3795 B5.4 - auto transformer starters, W? - A3664 B6.1 - stator and rotor starters, W1-A4036 B6.2 - slipring motor starter, A2077-3674 | 1919-1939 |

| IG9/2/11 | Volume 11: AC B7.1-B9.11 B7.1 - printing presses, negs W381-A3330 B7.9 - starter for motor in laboratory aluminium mill, A4037 B8.1 - various, X052-A3564 B9.1 - steel mill Ebbw Vale, A3123-3682 B9.2 - cranes, A3129-3341 B9.3 - cranes, X160-A3342 B9.4 - steel works, W349-A3690 B9.5 - bridges, W442 - A3670 B9.6 - blast furnace skip hoist, A519-3290 B9.7 - coke oven, A282-3436 B9.8 - rotary furnace, X165-A3638A B9.9 - coaling plant etc, A82-A3892 B9.10 - Banbury rubber mixer, A3183-4051 B9.11- voltage regulator equipment, X171-A2068 | 1919-1939 |
|----------|---|-----------|
| IG9/2/12 | Volume 12: AC B9.12 - B9.19 B9.12 - capstan controllers, negs W409-a3368 B9.14 - self acting panel for compressor control, A456-1633 B9.16 - heater control, X909-A3880 B9.17 - washing machines, X780-A3889 B9.18 - lifts, X092-A3131 B9.19 - metal working machines, X942-A3898 | 1920-1939 |
| IG9/2/13 | Volume 13: AC B9.20-B9.29 B9.20 - control panels for woodworking machines, X908-A3793 B9.22 - printing presses etc, A177-A3712 B9.25 - pumping stations, W546-A3920 B9.26 - refrigeration?, A1885-3600 B9.28 - synchronous motors, X757-A2713A B9.29 - controls for rolling machines etc eg wire drawing machines and carpet making, X175-A4052 | 1921-1939 |
| IG9/2/14 | Volume 14: ACCESS C1.1 - C2.2 C1.1 - pushbuttons, W454-A4022 C1.2 - pushbuttons, W49-A4049 C2.1 - pole changing switches, W960-A3908 C2.2 - master control desks, W242-A4038 | 1919-1939 |
| IG9/2/15 | Volume 15: ACCESS: C2.3-C6.2 C2.3 - flush mounting switches?, W467-A3735 C2.9 - controllers, W271-A3780 C3.1 - pedal operated switches, W236-A3862 C4.1 - weight and float controlled switches, W467-A1948 C4.9 - float operated switches, W677-A1607 C5.1 - pressure switches, W287-A3736 C6.1 - switches operated by various different means, W360-A3750 C6.2 - screw limit switches, W202-A3896 | 1920-1939 |
| IG9/2/16 | Volume 16: ACCESS C6.9 - C9.9 C6.9 - various specialist switches, W234-A3910 C7.1 - phase failure and phase reversal relays, A1402-2501 C7.2 - eddy current plugging switches, A1405-3909 C7.3 - timing relays, X413-A2423 C7.9 - control and indicator panels including for carton sealing machine, indicator map in Canadian Pavilion, World Fair, New York,gong and road sign for Birkenhead bridge, hotel call system and various alarm panels for the air ministry, A378-A3857 C9.9 - electric clock and hydro-pneumatic pilot control, W914-A4906 | 1920-39 |

| IG9/2/17 | Volume 17: Special D1.1-D2.1 D1.1 - Ebbw Vale includes pictures of the installation of the Igranic clover leaf lifting magnet etc and other interior photographs of the steelworks in operation also other lifting magnets c 1953?, W105-A3825 D1.2 - magnets including photographs of them being made, W9-A3308 D1.3 - clutches, W113-A3792 D1.4 - brakes, A1410-3925 D1.5 - brakes including view of the brake assembly shop. W416-A7467 D1.6 - solenoids, W640-A3933 D1.9 - ?W987 D2.1 - values etc using controls by Payne Dean Ltd NY. W1485-A3980 | c1919-1956 |
|----------|---|-------------|
| IG9/2/18 | Volume 18: Special D2.2-D4.9 D2.2 - valves, W106-A3597 D2.9 - various, W114-A2092 D3.2 - controls etc for 6 watertight doors, A3345-3544 D3.9 - unknown, W949-951 D4.1 - newspaper conveyor equipment, A235-3764(1938) D4.2 - newspaper equipment, A63-3462 D4.3 - bundling press, A2736-3200 D4.4 - linotype metal pot, A1016-1476 D4.9 - paper cutting and newspaper, X516-A2358 | c 1919-1938 |
| IG9/2/19 | Volume 19: Special D5.1-D9.1 D5.1 - refrigerators, A3373-3645 D5.2 - thermentors, A2269-2994 D5.3 - heater units, X535-A1136 D5.4 - soldering irons and welding, W224-A3746 D5.5 - A2235-4043 D5.9 - heating elements, W573-576 D6.1 - lighting, W232-A2604 D6.2 - Lo Vo Lites, A2176-4046 D6.3 - lighting including emergency lighting for ARP shelter, A3757-4044 D6.9 - window display lighting, X278-A2466 D9.1 - various, A3761-3794 | c 1920-1939 |
| IG9/2/20 | Volume 20: SW:BDS E1.1 - E3.3 E1.1 - battery charging panel, W41-A3866 E1.9 - automatic controller for motor generator battery charging set, W361-A1503 E2.1 - circuit breakers, W473-A1431 E2.9 - unknown, W149-A7391 E3.1 - circuit breakers, A2106-3891 E3.2 - chain-link circuit breakers, A2505-3523 E3.3 - changeover switches, A1323-A3887 | 1919-1939 |
| IG9/2/21 | Volume 21: SW:BDS E3.9 - E5.9 E3.9 - mostly emergency and auxillary lighting, W164-A2700 E4.1 - generators and battery charging panels, A2109-3729 E4.2 - generator controls, A2108-3993 E4.3 - switchboards including one for Bute Hospital Luton, A2234-4011 E4.4 - marine generators including ones for Polish and Brazilian warships, A2181-3660 E4.5 - Admiralty work, A2253-4045 E4.9 - overload alarms etc, A2548-3691 E5.1 - distribution switchboards, A2254-3296 | c1920-39 |
| IG9/2/22 | Volume 22: Misc F1.1 - F2.1 F1.1 -spares charts, W461-A3694 F1.2 - mostly housings, W7-A7564 F2.1 - mostly panels by other companies, W571-A8506 | C1919-1960 |

| IG9/2/23 | Duplicates of photographs presumed to have been in Volume 23: F3.2-F3.4 F3.2 - Trade stands includes: Messrs Van Wijk & Visser's tand at Utrecht Fair, 1947, Igranic at RECMF exhibition 1951, 1952, 1953 and 1955, Igranic at Machine Tool Exhibition, Olympia, 1952, Igranic at ASEE exhibition, Earls Court, March 1954 and 1958, Igranic at Mechanical Handling exhibition, Olympia 1954? and 1958, Igranic at MTTA exhibition Olympia 1956, Igranic at Chemical & Petroleum Engineering Exhibition, 1958, Brookhirst Igranic Ltd at ASEE at Earls Court, post 1958, BHI at the Rand Easter Show, South Africa, c1960?, BHI at Birmingham Clutch Exhibition c1960? F3.4 - generator on testing block F3.9 - model skull breaking crane made by experimental department and used in mechanical handling exhibition at Olympia 1954? | 1947-1960s |
|-----------|--|----------------|
| IG9/2/24 | Volume 24: G1.1 - various machines (boring and milling) using Igranic and BHI contol gear including views of 'CRAVEN' duplex gun boring machine for internal boring of Bofos gun barrels made by Craven Bros, Manchester, ROF Barnbow probably during World war two. 0282, W62-A7102 | 1919-1956 |
| IG9/2/24a | Volume 24a: G1.2 - Lathes using controls by Igranic and BHI, includes W97-8 Lathes installed at Skefko, Luton, 0283, W27-A8659 | с1919-с 1960 |
| IG9/2/24b | Volume 24b: G1.3-G1.4 G1.3 - machine tools fitted with Igranic and BHI controls W21-A8782 G1.4 - cranes and transporter bridges many pictures have very full captions X104-A8982 | c 1919-c 1960s |
| IG9/2/24c | Volume 24C: G1.5-G1.6 G1.5 - views of transporters, ships, steelworks, docks and plants supplied with BHI and Igranic control gear, A769-8883 G1.6 - Steelworks including: Patent Shaft and Axletres, Wednesbury, Birmingham, Steel, Peach & Tozer Ltd, Colvilles Ltd at Glasgow & Glengarnock and Ravenscraig, Workington Iron & Steel Works, Richard Thomas Ebbw Vale. X320-A8546 | 1919-1960s |
| IG9/2/25 | Volume 25: G1.8-G1.9 G1.8 - furnaces (includes pictures of the furaces not just the controls) X476- A5760 G1.9 - pumping - including sewage works (includes pictures of the stations as well as the controls) X201-A7393 | 1919-1956 |
| IG9/2/25a | Volume 25a: G1.10-G1.17 G1.10 - bridges, W972-A8988 G1.11- coal and coke moving, A938-7056 G1.12 -A1313-1314 G1.13 - paper making includes machinery for Finland and Holland, X246- A7814 G1.14 - printing presses, W65-A1075 G1.15 - newspapers, X461-W595 G1.16 - refrigeration, A2313-A8356 G1.17 - hoists etc including drag scraper at Bedford power station, W675- A8774 | 1919-1960s |

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| IG9/2/26 | Volume 26: G1.18-G1.20 G1.18 - marine mostly pictures of ships and their engine rooms, W444-A8763 G1.19 - conveyor driving units for Bedford Brick Co Ltd, A2999-3007 G1.20 - range of machines and places using Igranic and BHI controls including tyre building machines, Wirksworth quarry, Derbs, Clay refinery, St Austell, Cornwall, Meadowsise granary, Glasgow, BBC Television Centre, White City, London, ICI new ethylene plant, Guiness brewery, Dublin, SS Empress of Britain, Ford motor works, Dagenham, Vauxhall motors, Luton, Cookham lock, supersonic wind tunnel, Bedford, Gallions dock, sugar refinery, Mauritius, fertiliser factory, Sindra, India, Express dairies, Bromley, North British Rubber Co mills, Rolls Royce engine est beds, Scotstoun shippbuilding yard, coal and ore plant, Durban, Dublin Electricity works, 'Allen oil engine installed in S Africa, Earls Court heating and ventilation plant, Rothesay dock power station, Broadbent dry cleaning plant, Bethnal Green municipal was houses, W58-A8909 | 1919-1960s |
|-----------|---|------------|
| IG9/2/26a | Volume 26a: G1.21-G3.9 G1.21 - unclear but relate to electricity, gas, blast furnace and sewage plants, A1137-3514 G1.22 - watertight bulkhead doors, A1393-4225 G1.23 - textile machinery, A5084-5873 G1.24 - collieries, A6349-A6354 G1.25 - car manufacturing including Vauxhall, A7571-7582 G1.26 - smelter bays, Baie Comeau, Canada, A7803 G2.1 - brakes, W503-A8778 G2.2 - magnetic separator pulleys, W693-X75 G2.3 - plate lifting magnets, W177-A7117 G2.9 - Andrew Fraser & Co Ltd, A7268-7272 G3.1 - Long Bridge traction station, Birmingham, X708-711 G3.2 - battery charger at Glasgow corporation, X518-A2312 G3.9 - circuit breaker at a sub station in Birmingham, X709-718 | 1919-1960s |
| IG9/2/27 | Volume 27: G4.1 - newspaper conveyors some views of the Daily Mirror plant include lighting and film cameras suggesting that some type of publicity film was being made, W785-A8975 | 1920-1960s |
| IG9/2/28 | Volume 28: G4.2-G5.3 G4.2 - Lo-Vo lite transformers, A3293 G4.9 - A2179 G5.1 - A2177-8428 G5.2 -X509-513 G5.3 - Igranic S P A C Contactors on London's largest flashing neon sign , A3111-3112 | 1925-1960s |
| IG9/2/29 | Volume 29: 47000-473000 47000 - spares kits for marine generator panels, A4376-4645 471000 - Admiralty patterns, A4056-4876 472000 - Admiralty patterns, A4072-4868 473000 - circuit breakers, A4061-5235 | 1939-48 |
| IG9/2/30 | Volume 30: 474000-52000 various, A4270-6288 | 1940-1953 |
| IG9/2/30a | Volume 30a: 52000 - lots of prototype motor contol centres but also various contol desks, A7976-8619 | 1958-1960s |

| IG9/2/31 | Volume 31: 61000-66999 61000 - magnets, A5858-8755 62000 - brakes, A5225-8265 63000 - A3248-8265 64000 - solenoids, A4674-7126 65000 - valves, A4202-6739 66000 - clutches, A4065-A8897 | 1930S-1960S |
|-----------|--|-------------|
| IG9/2/31a | Volume 31a: 67000-69999 67000 - newspapers etc, A4173-8856 68000 - transformers, A4078-8658 68600 - Lo Vo Lite, A68600-8431 69000 - unknown, A4088-8523 | 1939-69 |
| IG9/2/32 | Volume 32: 71100-72800 includes pictures of John Summers steel mill, Shotton and other steelworks machines 71100 - A4141-4169 71166 - A4058-8994 71500 - A4707-6463 71700 - A4120-8960 72000 - A4120-8960 72000 - A4176 72400 - A4062-8498 72500 - A4063-6564 72700 - A4100-6540 72800 - A4081-5120 | 1939-60S |
| IG9/2/33 | Volume 33: 73000-82300 various 73000 - A5025-6760 75000 - A5210-4073 77000 - A4400-4761 78000 - A4071-8115 80400 - A4107-4112 81000 - A4223-8961 82000 - A4277-8260 82300 - A4240-7710 | 1940-60S |
| IG9/2/34 | Volume 34: 82400 - relays, A4068-8893 | 1939-1960S |
| IG9/2/35 | Volume 35: 82500-88000 - various 82500 - A6789-4668 82700 - A4050-7304 82800 - A4098-7389 82900 - A4848-5684 83000 - A4966-6631 84000 - A6435-6438 85000 - 4209-7875 87000 - A4109 89000 - A4069-7864 | 1939-58 |
| IG9/2/35a | Volume 35a: 88000-89000 88000 - control and switchboards, A7662-8452 89000 - igrastat control panelss etc, A7285-8972 | 1939-608 |
| IG9/2/35b | Volume 35b: 91000 - various but mostly for Ford Motor Co, A4087-7471 | 1939-60S |
| IG9/2/36 | Volume 36 92000-93000 92000 - operaors chairs, switches and levers, A4094-8989 93000 - switches, A4077-7496 | 1939-1960S |

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| IG9/2/37 | Volume 37, 94000-98000 94000 - pressure regulators, A4083-7949 95000 - float switches, A5238-7339 96000 - plugging relays, A4726-6249 97000 - timers, A4070-5994 98000 - resistors, A4075-8984 | 1939-60S | |
| IG9/3 | Photograph albums containing gelatine photographic prints of BHI products, some in situ and some in isolation. Although many of the photographs have a brief caption almost none are dated. These volumes post date those in IG9/2. There may be some duplication between the volumes but this was extremely difficult to check without listing all the images separately. The listing for each section is either taken from the volume or deduced from the photographs themselves. | 1969-1974 | |
| IG9/3/1 | Volume I 7.1 - marine 7.2 - Richard Thomas and Baldwin Spencer Works 7.3 - Power station machinery 7.4 - Pump machinery 7.5 - Power stations | 1960s? | |
| IG9/3/2 | Volume II 7.6 - machine tools 7.8 - paper 7.10 - conveyors 7.12 - heating and ventilation 7.13 - lifts including car lifts | 1960s | |
| IG9/3/3 | Volume III 7.15 - newspapers 7.19 - car industry 7.20 - brakes and clutches 7.22 - magnets 7.23 - Lo Vo lites | 1960s | |
| IG9/3/4 | Volume IV 7.29 - railways 7.31 - sugar 7.32 - Handling (scrap and other) 7.33 - furnace other than blast 7.35 - oil and petrol 7.36 - breweries 7.37 - wood processing | 1959-1974 | |
| IG9/3/5 | Volume V Miscellaneous large machines | 1959-1974 | |
| IG9/3/6 | Volume VI 25237 - terminals 48020 - isolators and ? 48700 - motor control centres 54080 - cable troughing | 1959-1974 | |

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| IG9/3/7 | Volume VII | 1959-1974 |
|----------|--|-----------|
| | 61100 - circular lifting magnets 61200 - bobbin lifting magnets | |
| | 61300 - bi polar lifting magnets | |
| | 63123 - brakes | |
| | 63144 - disc brakes | |
| | 66200 - clutches 66241 - misc | |
| | 66251 - clutches | |
| | 66263 - induction clutch | |
| | 67000 - newspaper equipment | |
| | 68600 - lo vo lite | |
| | 69000 - amps - university of Cambridge 69541 - amplifier control panel | |
| | 69600 - bi stat | |
| IG9/3/8 | Volume VIII | 1959-1974 |
| 109/3/8 | 88401-2 - control panels | 1/5/-1//4 |
| | 88602 - machinery for model 60RS | |
| | 88811 - control panels | |
| IG9/3/9 | Volume IX | 1959-1974 |
| | 80461 - mini starter | |
| | 81100 - control board | |
| | 81166 - machinery panels 81346 - band roll drive equipment | |
| | 81600 - inspection of machinery | |
| | 81740 - latched relays | |
| | 81810-20 - control boards | |
| | 81900 - wire reeling machinery | |
| IG9/3/10 | Volume X | 1959-1974 |
| | 82310 - star delta starter | |
| | 82400 - relays 82401-2 - contacter | |
| | 82410 - pneumatic timer | |
| | | |
| IG9/3/11 | Volume XI | 1959-1974 |
| | 82451 - across the line starter 82461 - across the line standard starters | |
| | 82511 - primary resistance starter | |
| | 82811 - rotor starter | |
| IG9/3/12 | Volume XII | 1959-1974 |
| 10)/3/12 | 92229 - joystick | 1/5/-1//4 |
| | 92243 - controller | |
| | 93060 - oil tight limit switches | |
| | 93200 - limit switch | |
| | 93300 - precision limit switches 93600 - interior view of limit switch | |
| | 93980 - Bistat limit switch | |
| | 94000 - pressure switch | |
| | 96000 - weather proof speed responsive switch | |
| IG9/4 | Second World War Publicity Pictures | 1941-1946 |
| IG9/4/1 | Duplicate of photograph showing fire at the London Office | May 1941 |
| 100/4/2 | | |
| IG9/4/2 | Photography of Winston Churchill | c 1942 |
| IG9/4/3 | Display of Bristol engine and engine parts | 1940s |

| IG9/4 | Second World War Publicity Pictures | 1941-1946 |
|----------|--|-----------------|
| IG9/4/4 | Photograph of exhibition of model aircraft and components marked 'Connolleys' on back. | 1940s |
| IG9/4/5 | Damage caused by Enemy Action. Flare dropped in Air Raid 29/6/42. Photograph shows minor fire damage to side of corrogated iron building. Photo No A4431. | 1942 |
| IG9/4/6 | Works war effort exhibition. Photo No A4535. Display aimed to show workers 'products from various sections of the works illustrating the uses to which they are put'. Includes chart of average monthy output up to November and average output for years 1938-1941. | c December 1942 |
| IG9/4/7 | Duplicate of photo no A4587 'Works War Effort Exhibition No 3. Bedford Publicity Dept 1943. Aimed to reduce scrap | 1943 |
| IG9/4/8 | Duplicate of photo A4592. Works War Effort Exhibition No 5. Machine Tool Control Gear, Bedford Publicity Dept 1944. | 1944 |
| IG9/4/9 | Photo A4593. Works War Effort Exhibition No 5 Machine Tool Control Gear. Bedford Publicity Dept 1944 | 1944 |
| IG9/4/10 | Photo no A4594 Works War Effort Exhibition No 5. | 1944 |
| IG9/4/11 | Photo No 4595. Works War Effort Exhibition No 5 Machine Tool Control Gear. Beford Publicity Dept 1944 | 1944 |
| IG9/4/12 | Photo no A4597. Works War Effort Exhibition Machine Tool Control Gear Bedford Publicity Dept 1944. | 1944 |
| IG9/4/13 | Duplicate of Photo A4618. Painting showing "Swift" Breech Block Screwing Lathe showing Igranic 450/187LN Drum Controller & Lo-Vo-Lite Lighting (The Academy picture) | c1944 |
| IG9/4/14 | Photo A4710. Publicity photograph of surgery nurse taking notes as a female worker has a cup of tea. | c 1945-6 |
| IG9/4/15 | Photo A4711. Surgery staff posing outside the surgery. | c 1945-6 |
| IG9/4/16 | Unnamed secretary sitting at a typewriter. | c 1945 |
| IG9/4/17 | Head and shoulders picture of the same woman as in IG9/4/16 | c 1945 |
| IG9/4/18 | Unnamed woman making brackets? | c 1945 |
| IG9/4/19 | Head and shoulders of the same unnamed woman as in IG9/4/18 | c 1945 |
| IG9/4/20 | Group of female staff including the woman from IG9/4/18-19. | c 1945 |
| IG9/4/21 | Fire brigade with four silver cups | c 1940s |
| IG9/4/22 | Igranic victory float outside the factory. One of the four women on the float is the same as in $IG9/4/16-17$. | c 1945 |
| IG9/4/23 | Photos A4846-7. Igranic float for entry in Bedford's Thanksgiving week parade. A4846 shows 'second prize' label. The float gives totals for workers savings fro the years 1939-45. | c 1945 |
| IG9/4/24 | Photo A4935:German aerial photograph of Bedford. 'This is a copy of an | c 1946 |

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| IG9/4 | Second World War Publicity Pictures | 1941-1946 |
| | original document abstracted from German Intelligence records after the Allied occupation. The caption stated that the document is confidential and the photograph was taken on 3/9/39. It lists Short Bros, Britannia Ironworks, and Igranic Electric Ltd as having been bombed in January 1942. Their intelligence people were better informed tha we were. We have no record of the incident.' | |
| IG9/5 | Views of the Igranic factory | 1943-c1952 |
| IG9/5/1 | Bays 21 & 22 Main Switchgear assembly shop. Duplicates of photos A4581- 2. A4581 has people in, A4582 does not. | May 1943 |
| IG9/5/2 | Bays 21 and 22 Main Switchgear Assembly shop. Duplicate of A4600. | 1944 |
| IG9/5/3 | Duplicate of photo A4690. Group of 22 workers including those from the surgery standing outside part of the factory. | c 1945 |
| IG9/5/4 | Duplicates of photos A4758, 4759, 4766 and 4767, presumed to show various interiors of the Igranic works. | c 1945-6 |
| IG9/5/5 | Motor Room of Igranic Main Test Bay. Duplicate of photo A4783. | 1946 |
| IG9/5/6 | Testing Board in Igranic Test Room. Duplicate of photo A4787. | 1946 |
| IG9/5/7 | View of Igranic Tool Room. Duplicate of A4810. | 1946 |
| IG9/5/8 | Duplicate of photo A4912. Presumed to show the Igranic drawing office. | c 1946-7 |
| IG9/5/9 | View of Igranic Manet Winding Shop showing 65 inch Ltf 1500 Circular lifting magnet being wound. Duplicate of photo A4699. | c 1943-4 |
| IG9/5/10 | View of Igranic Lifting Magnet winding and assembly shop. Duplicate of A4700. | c 1943-4 |
| IG9/5/11 | 65 inch Lft 1500 circular lifting magnet coil during 'baking' process. Duplicate of A4701. | c 1943-4 |
| IG9/5/12 | Man operating pull/stroke testing apparatus in Igranic Research Lab. Duplicate of A4738. | c 1944 |
| IG9/5/13 | Pull/stroke testing apparatus Igranic Research Laboratory. Duplicate of A4739. | c 1944 |
| IG9/5/14 | Power House. Duplicate of A4952. | 1946 |
| IG9/5/15 | Two views of the production planning board. Duplicates of photos A4963-4 | 1947 |
| IG9/5/16 | Semi-continuous stoving oven by Curran & co | c 1959 |
| IG9/5/16/1 | General view loading semi-contiunous stoving oven.(duplicate of photo A8181) | c 1959 |
| IG9/5/16/2 | General view unloading. Duplicate of A8182 | c 1959 |
| IG9/5/16/3 | Side view of oven (duplicate of photo A8183) | c 1959 |
| IG9/5/16/4a- b | Operator attending to automatic control (duplicates of photos A8184-5) | c 1959 |

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| IG9/5 | Views of the Igranic factory | 1943-c1952 |
|-------------|--|-------------------------|
| IG9/5/16/5 | Oven showing interior of oven loaded. (duplicate of photo A8186) | c 1959 |
| IG9/5/17 | Front of part of factory. (Duplicate of photo A4522) | c 1942 |
| IG9/5/18 | View of factory. (duplicate of photo A4523) | c 1942 |
| IG9/5/19a-b | Two overhead views of model of factory. Photos A4733 and A4734. | c 1945 |
| IG9/5/20 | Reproduction of model of factory with fake background. (duplicate of photo A4961) | 1947 |
| IG9/5/21 | Aerial view of works (duplicate of photo A7616) | Sept 1957 |
| IG9/5/22 | Interior view of Lecture room in Development block (duplicate of photo A5960) | July 1952 |
| IG9/5/23 | View of Lecture room in development block (duplicate of photo A5961) | July 1952 |
| IG9/6 | Cups and trophies | c1913-1974 |
| IG9/6/1 | Bedfordshire model aero challenge cup, presented to Igranic Social and Sports Club by Sir Richard Wells MP for competition. (duplicate of photo A4034) | c 1939 |
| IG9/6/2 | Table tennis trophies and replicas presented to Igranic Social and Sports Club by H H Broughton Esq. (duplicate of photo A4265) | c 1940-41 |
| IG9/6/3 | Miniature rifle club trophy prsented to Igranic Social and Sports Club by Mr R L Paice. (duplicate of photo A4393) | c 1941 |
| IG9/7 | Volume of photographs labelled 'development'.Photos from A5002/D - A8882/D showing various experimental products and results of tests. | c 1948 - early 1960s |
| IG9/8 | Volume marked 'radio components' arranged by subject ie coils, coil stands, variometers and variocouples, transformers, resistances, small components, special app: and sets. | 1921-1923 |
| IG9/9 | Volume marked 'radio and television'. Contains: photos of radio and television components photos from A4281-A8146. technical photos A4324-4929 including anaesthetic mask for Bedford County Hospital (A4781) and instruction plates in Russia (A4413-5) | с 1940-с 1960 |
| IG9/10 | Volume of photographs marked 'MAG AMP' | c early 1960s |
| IG9/11 | Photographs of various products from the Publicity department to Mr Bennett marked 'circulation photographs prints of photographs produced since the previous circulation' | 18 June 1965 |

| IG9/12 | 35mm slides presumably used in staff training and publicity | c1950-1979 |
|--------------|---|--------------|
| IG9/12/1 | Exterior of works with man on a forklift truck and another man standing at the open door. | n.d. |
| IG9/12/2 | Interior of works showing fold out barrier. Possibly used as part of health and safety training? | n.d. |
| IG9/12/3 | Exterior of works with man using a forklift truck to load a skip. | n.d. |
| IG9/12/4 | Interior of works possibly the despatch department. | n.d. |
| IG9/12/5 | Unidentified large machine presumably using Cutler Hammer Control gear. | n.d. |
| IG9/12/6 | Unidentified man in the staff locker room? | 1970s |
| IG9/12/7 | View of metal implement being used to rake out metal filings from around machinery on a work bench. | 1970s |
| IG9/12/8 | Man looking at the gearing? on a piece of machinery marked 'Richmond' | n.d. c 1970s |
| IG9/12/9 | Close up of hand using some sort of jet or other device attached to a tube possibly to clean a work area? | n.d. c 1970s |
| IG9/12/10 | Close up of man filing metal at a work bence. | n.d. c 1970s |
| IG9/12/11 | Close up of a drill on a workbench | n.d. c 1970s |
| IG9/12/12 | View of man at a work bence | n.d. c 1970s |
| IG9/12/13 | View of man with a machine | n.d. c 1970s |
| IG9/12/14 | View of the Igranic football pitch | n.d. |
| IG9/12/15 | Exterior view of factory frontage | c 1967 |
| IG9/12/16a-b | View of the 'Brookhirst Igranic' sign on the front of the factory. | c 1958-67 |
| IG9/12/27 | Nurse examining a man's ear in the company surgery | c 1970s? |
| IG9/12/28 | First aid exercise. Group of men tying other men's legs so as to immobilise them ready to be moved. | 1940s? |
| IG9/12/29 | First aid exercise: patient being removed on a stretcher | n.d. |
| IG9/12/30a-b | Interior views of saloon bar of social club? | c 1970s |
| IG9/12/31 | Interior of workshop with man in white coat pointing out details of on a drawing to a young man in a brown coat | 1970s |
| IG9/12/32 | Man in office? surrounded by various pieces of electrical equipment such as televisions, Kenwood food mixers etc. | 1970s |
| IG9/12/33 | photograph of a wage packet. | 1970s? |
| IG9/12/34 | Cartoon showing a service department with men being hung on coat pegs. | 1970s? |
| IG9/12/35 | Photograph of front cover of 'Intercom', the company magazine. | 1970s? |

| IG9/12 | 35mm slides presumably used in staff training and publicity | c1950-1979 |
|---|---|--|
| IG9/12/36 | Slide showing the organisation of Cutler-Hammer divisions | 1970s |
| IG9/12/37 | Slide showing the names of 'Unions at CHE' | 1970s |
| IG9/12/38 | Slide showing a copy of the General Guide to the Office, Shops and Railway Premises Act 1963 | 1970s |
| IG9/12/39 | Slide showing the 'procedure for dealing with a grievance' | 1970s? |
| IG9/12/40 | Four slides dealing with health and safety, three cartoons showing how to lift, danger of electric shock, and danger of flying objects and one slide just saying 'danger'. | 1970s? |
| IG9/12/41 | Slide saying 'The End. The Personnel Officer will now answer any questions arising from the programme.' | 1970s? |
| IG9/12/42 IG9/12/42/1 IG9/12/42/2 IG9/12/42/3 IG9/12/42/4 IG9/12/42/5- 11 | Set of slides all taken at the same time View of a room with four men working at tables possibly assembling items. View of an organisation chart for Cutler Hammer Europa View of woman operating a drill? View of two young men assembling panels? Photographs of various control panels and products | Feb 1975 Feb 1975 Feb 1975 Feb 1975 Feb 1975 Feb 1975 |
| IG9/12/43-64 | Slides of various control panels etc | early 1970s |
| IG9/12/65-67 | Slides for the logos of 'Profile Cutler Hammer', C H World Trade' and 'EATON'. | 1971-1978 |
| IG9/12/68 | View of Cutler-Hammer plant in America? | c 1971 |
| IG9/13 | Photograph album of colour prints mostly of igranic products but including photographs of Woburn Town Hall (Market Hall), Woburn church, thatched cottages, three views of the Shuttleworth estate, the Adams car leaving the Igranic factory on its way to Shuttleworth and father christmas distributing presents to a group of children. | c 1964 |
| IG9/14 | Group of photographs of medium and heavy press sections of Vauxhall works, Luton | c 1957 |
| IG9/15 | Views of a moveable bridge, one external view of the control tower and one internal view of the control panel. | c 1970s |

| IG9/16 | Full plate glass negatives | c1906-1920s |
|-----------|--|---------------|
| IG9/16/1 | View of the Adams Manufacturing Co workshop | c 1906-1913 |
| IG9/16/2 | Group photograph possibly of Adams Manufacturing Co staff dressed as if for an outing or special occasion, approximately 71 people including about 39 men and a boy. | c 1910? |
| IG9/16/3 | View of the Igranic Electric Co Ltd workshops neg no W892 | c 1919 |
| IG9/16/4 | Interior view probably of the tool shop of Igranic Electrical Co Ltd | c 1919 |
| IG9/16/5 | Interior of workshop. Neg X391 | c 1924 |
| IG9/16/6 | Interior, probably part of one of the machine shops. Neg X392 | c 1924 |
| IG9/16/7 | Exterior view of new office block (built c1924) attached to Igranic Electric Co workshop sheds. Neg no X394 | c 1924 |
| IG9/16/8 | View of the Igranic Electric Co Ltd works, Elstow Road, Bedford. Neg X395 | c 1924 |
| IG9/16/9 | View of the new Igranic Electric Co Ltd offices (built c1924) from Elstow Road. Neg X396 | c 1924 |
| IG9/16/10 | Igranic Electric Co Ltd display stand at a trade exhibition. Neg W230 | c 1919 |
| IG9/16/11 | Publicity photograph of an Igranic electrical control. Neg W852 | c 1919 |
| IG9/16/12 | Publicity photograph of Igranic Electrical control gear neg W879 | c 1919 |
| IG9/16/13 | Photograph of a display of Igranic boxes and packages for Igranic coils, rheostats, potentiometers, transformers etc. Neg X074 | c 1919 |
| IG9/16/14 | Christmas display of Igranic electric products around a Christmas tree neg A81 | c 1920s |
| IG9/16/15 | Publicity photograph of an apparatus using Indigraphs. Controls are labelled as volume, frame, HF, oscillator, filaments and telephones neg A142 | c1920s |
| IG9/16/16 | Publicity photograph of the Igranic Supersonic Heterodyne Receiver Outfit patent no 143583. neg A229 | c 1920s |
| IG9/16/17 | Publicity photograph of an Igranic radio cabinet neg A532 | c 1920s |
| IG9/16/18 | Radio receiver | c 1920s |
| IG9/16/19 | Display of Igranic controls on Berry Skinner & Co products? reading in amperes. Neg 886 | c 1920s |
| IG9/16/20 | Publicity photograph of a float operated switch neg 984 | c 1920s |
| IG9/16/21 | Publicity photograph of an electrical control bearing a Berry & Skinner patent plate and an Igranic Adams Manufacturing Co plate. neg 929 | c 1913-1920s? |
| IG9/16/22 | Large control panel? neg X380 | c 1924 |
| IG9/16/23 | Radio receiver? neg X384 | c 1924 |

| IG9/16 | Full plate glass negatives | c1906-1920s |
|-----------|---|---------------|
| IG9/16/24 | Control panel with controls for: oscillator filament, oscillator, oscillator vernier, 1st and 2nd condensors, amplifier filaments, tone and loud speakers. neg X386 | c 1924 |
| IG9/16/25 | Radio receiver? neg X445 | c 1924 |
| IG9/16/26 | Switching gear? neg X499 | c 1925 |
| IG9/16/27 | Crystal set? neg A793 | c 1920s |
| IG9/16/28 | Central control station for electrically operated watertight door system. S S Borinquen. Neg A1396 | c 1930s |
| IG9/16/29 | Permanent magnet moving coil loud speaker type D9 rear view. Neg A1697 | c 1930s |
| IG9/16/30 | Igranic Button-hole microphone neg A1911 | c 1930s |
| IG9/16/31 | Photograph of framed circular design centred around a holy leaf and containing the signatures of all the staff surrounded by the following message 'xmas greetings from the whole staff of the Igranic Electric Co Ltd to A H Curtis esq, general manager'. | 1925 |
| IG9/17 | Half plate negatives | c 1906-1920s |
| IG9/17/1 | Display of switch boards neg 38D | c 1906-1920 |
| IG9/17/2 | Exterior view of the Igranic Electric Co Ltd factory. Neg O55 | pre 1924 |
| IG9/17/3 | Electric control panel with three valves. neg 24A | c 1920s |
| IG9/18 | Negatives and photographs of staff | c 1920s |
| IG9/18/1 | Photograph of A H Mackley, chief engineer (print and two nitrate negatives) | prior to 1930 |
| IG9/18/2 | Photograph of Col B I Rolling, managing director. (1 print and two nitrate negatives) | pre 1930? |
| IG9/18/3 | Photograph of Robert Keith Fleming, (born Scotland 1891, joined Igranic at Bedford, 1924, chief of test,1926, assistant branch manager Glasgow 1926, Glasgow office manager 1933, London office 1935, assist general manager Bedford 1937, general manager Bedford Oct 1937, joint managing director 1941, sole managing director 1947, chairman of the board 1953 until his retirement in September 1956. Died 3 Feb 1958 aged 67) (1 print and three nitrate negatives) | c 1926? |
| IG9/18/4 | The factory firebrigade? | c 1930s |
| IG9/18/5 | Nitrate negative of table and room decorated with christmas decorations | 1913-30 |
| IG9/18/6 | Negative, group photograph, presumed to be Igranic staff | 1913-30 |

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| IG10 | Management records | 1906-1983 |
|----------|--|---|
| IG10/1 | Minutes | 1906-1983 |
| IG10/1/1 | Igranic Electric Co Ltd Shareholders Minutes | 10 Dec 1913 - 23 Dec 1940 |
| IG10/1/2 | Minutes of the directors of Igranic Electric Co Ltd. | 25 September 1941 - 12 January 1943 |
| IG10/2 | Directors reports and Accounts | 1978-1982 |
| IG10/2/1 | Cutler-Hammer Europa Limited Annual Report and Accounts | 1978 |
| IG10/2/2 | Cutler-Hammer Europa Limited Annual Report and Accounts | 1979 |
| IG10/2/3 | Cutler-Hammer Europa Limited report and accounts | 1982 |
| IG10/3 | Appointments of first directors and substitute directors for Igranic Electric Co Ltd | 1913-1933 |
| IG11 | Incorporation and Capital Structure | |
| IG11/1 | Shares in Igranic Electric Co Ltd | 1914-1958 |
| IG11/1/1 | Volume of Preference Shares Certificates 1-50 (only 1-32 have been issued) | 1914-1942 |
| IG11/1/2 | Volume of Ordinary Share certificates 1-50. | 1914-1935 |
| IG11/1/3 | Volume of Ordinary Share certificates 51-100 | 1935-40 |
| IG11/1/4 | Volume of Ordinary Share certificates 101-200 (only 101-146 used) | 1940-1958 |
| IG11/1/5 | Bundle of share transfer certificates as refered to in IG11/1/2-4. | 1914-1958 |
| IG11/2 | Articles of Association | 1906-1983 |
| IG11/2/1 | Memorandum and Articles of Association of The Adams Manufacturing Company Ltd. Incorporated 11 April 1905. Marked 'A H Adams private copy' | 1905 |
| IG11/3 | Receipts by Mr Bacon for payments under purchase contract | 15 Oct 1913 to 6 March 1914 |
| IG11/4 | Duplicate letters of indemnity to Radio Advertising Ltd, Hazeltine Neutrodyne Radio Sets Ltd, The Investmet Securities Co Ltd, Christy Safety Razor Co Ltd, Iris Cars Ltd, Croydon Eng Co Ltd in respect of their holidning as nominees of one interest each in the Compagnie Cosmos limited company. | Jan 1932 |
| IG11/5 | Register of debentures of the Adams Manufacturing Co. Gives number and date of debenture, amount, when repayable, description of property charged, name and address of debenture holder, rate of interest per annum, date interest becomes due. | 8 Jan 1909 - 24 Nov 1911 |

| IG12 | Financial records | |
|------------------------|--|--------------------------------|
| IG12/1 | Annual accounts of the Igranic Electric Co Ltd | 1913-1959 |
| IG12/1/1 | Adams Manufacturing Co Ltd - Statement of Affairs | 22 April 1913 |
| IG12/1/2 | Accounts | 30 June 1914 |
| IG12/1/3 | Accounts | 30 June 1915 |
| IG12/1/4 | Accounts | 30 June 1916 |
| IG12/1/5 | Accounts | 30 June 1917 |
| IG12/1/6 | Accounts | 30 June 1918 |
| IG12/1/7 | Accounts | 30 June 1919 |
| IG12/1/8 | Accounts | 30 June 1920 |
| IG12/1/9 | Accounts | 30 June 1921 |
| IG12/1/10 | Accounts | 30 June 1922 |
| IG12/1/11 | Accounts | 30 June 1923 |
| IG12/1/12 | Accounts | 30 June 1924 |
| IG12/1/13 | Accounts (these are not the official accounts but an internal letter to Mr | 30 June 1925 |
| | Galer showing the final operations for the year) | |
| IG12/1/14 | Accounts | 30 June 1926 |
| IG12/1/15 | Accounts | 30 June 1927 |
| IG12/1/16 | Accounts | 30 June 1928 |
| IG12/1/17 | Accounts | 30 June 1929 |
| IG12/1/18 | Accounts | 30 June 1930 |
| IG12/1/19 | Accounts | 30 June 1931 |
| IG12/1/20 | Accounts | 30 June 1932 |
| IG12/1/21 | Accounts | 30 June 1933 |
| IG12/1/22 | Accounts | 30 June 1934 |
| IG12/1/23 | Accounts | 30 December 1935 |
| IG12/1/24 | Accounts | 31 December 1936 |
| IG12/1/25 | Accounts | 31 Decemer 1937 |
| IG12/1/26 | Accounts | 31 December 1938 |
| IG12/1/27 | Accounts | 31 December 1939 |
| IG12/1/28 | Accounts | 31 December 1940 |
| IG12/1/29 | Accounts | 31 December 1941 |
| IG12/1/30 | number reserved | 1913-1959 |
| IG12/1/31 | Accounts | 31 March1943 |
| IG12/1/32 | Accounts | 31 March 1944 |
| IG12/1/33 | Accounts | 31 March 1945 |
| IG12/1/34 | Accounts | 31 March 1946 |
| IG12/1/35 | Accounts | 31 March 1947 |
| IG12/1/36 | Accounts | 31 March 1948 |
| IG12/1/37 | Accounts | 31 March 1949 |
| IG12/1/38 | Accounts | 31 March 1950 |
| IG12/1/39 | Accounts | 31 March 1951 |
| IG12/1/40 | Accounts | 31 March 1952 |
| IG12/1/41 | Accounts | 31 March 1953 |
| IG12/1/42 | Accounts | 31 March 1954 |
| IG12/1/43 | Accounts | 31 March 1955 |
| IG12/1/44 | Accounts | 31 March 1956 |
| IG12/1/45 | Accounts | 31 March 1956 |
| IG12/1/46 IG12/1/47 | Accounts Accounts | 31 March 1957 31 March 1958 |
| IG12/1/47 IG12/1/48 | Accounts | 31 March 1958 31 March 1959 |
| 1012/1/40 | | 51 Water 1939 |

| IG12/2 | Annual accounts of Igranic Electric S A (Proprietary) Ltd (previously Brookhirst Igranic SA(Pty) Ltd | 1955-1959 |
|--|---|---|
| IG12/2/1 IG12/2/2 IG12/2/3 IG12/2/4 IG12/2/5 | Accounts of Brookhirst Igranic S A (PTY) Ltd Accounts of Igranic Electric S A (Proprietary) Ltd Accounts Accounts Accounts | 31 March 1955 31 March 1956 31 March 1957 31 March 1958 31 March 1959 |
| IG12/3 | Annual accounts of Igranic Electric Co Ltd Radio Advertising Ltd | 1926-1958 |
| IG12/4 | Income Tax Returns | 1919-1942 |
| IG12/4/1 | Folder of correspondence and income tax returns for staff of Igranic Electric Co Ltd. | 1919-1942 |
| IG12/5 | Account books etc | 1906-1983 |
| IG12/5/1 | Completed account book for the Igranic Canteen's account with J H Whittall, family butcher of 48 Amphill Road, Bedford | May 1921 - April 1924 |
| IG12/5/2 | Loose leaf ledger indexed at front and then arranged by lettered account codes. Includes receipts and payments and accounts include individuals, companies, shares, secutiries, creditors, liabilities and the Cutler Hammer concessions and settlement. | 1913-с 1931 |
| IG12/6 | Monthly Salary Account books | 1941-1959 |
| IG12/6/1 | Monthly Salary Book. Includes name, salary, income tax, other deductions, net salaries. | Aug 1941 - June 1948 |
| IG12/6/2 | Monthly salary book. Includes name, office, PF No, salaries, income tax, employees ins, pension fund, other deductions, net salaries, Coy's Ins, Cr No, Ins group. | June 1948 - June 1954 |
| IG12/6/3 | Monthly Salaries Book. Gives account no, +C or L award, rate, name, PF No, Salaries, Income tax, employees Ins, Pension fund, other deductions, net salaries, Coy's Ins, Cr No. | April 1954 - 1956/7. |
| IG12/6/4 | Monthly Salary Book. Gives: a/c no, C or L award, name, PF no, salaries, income tax, empployees ins, pension fund, other deductions, net salaries, Coy's ins, Cr No. | 1957/8 - 1958/9 |
| IG12/7 | Account book for Salaries paid by the London Office. Includes Monthly and Weekly paid staff. Gives name, office and amount. | 5th Jan 1924 - 1934 (weekly) and 1937 (monthly) |
| IG12/8 | Foremen and Staff Mutual Benefit Society account book. Gives name, weekly or montly, scheme (A or B), reference, date joined, contributions of employee and company. | 1957/8 - 1967/8 |

| IG13 | Property Records | 1904-1983 |
|----------|---|-------------------------|
| IG13/1 | Elstow Road | 1904-1927 |
| IG13/1/1 | Incomplete photographic copy of conveyance C Franklin to A H Adams of 6ac 17p in the parish of St Mary, Bedford for £2,444 16s includes plan | 19 December 1904 |
| IG13/1/2 | Correspondence relating to the dispute over the southern boundary between Igranic, Peek Frean & Co Ltd and Wells and Winch. The dispute centred around whether the boundary ran through the centre of the hedge or whether Wells and Winch could claim 4 feet on the Igranic side of the hedge. It was the building a new public house 'The Angel', architect Mr Inskip, which brought matters to a head. | Sept 1923 - May 1927 |
| IG13/2 | Factory at Kelvin Avenue | 1968 |
| IG13/2/1 | Pictorial souvenir of the opening of BHI's new factory at Kelvin Avenue | 26 July 1968 |
| IG13/3 | 37 Putnoe Lane | 1948 |
| IG13/3/1 | Correspondence re the second mortgage on 37 Putnoe Lane, £1500 lent to W E Aitken | 1948 |
| IG13/4 | Land at Kempston | 1952-59 |
| IG13/4/1 | Letter form J R Eve & son enclosing notice of determination of development value under the Town & Country Planning Act, 1947 and relating to 11.031 acres in Kempston, Beds | 1952-59 |
| IG13/5 | Memoranda regarding items deposited in the company deed box at Westminster bank, Bedford | 1949-1957 |

| IG14 | Personnel Records | 1906-1983 |
|-----------|--|-------------------------------------|
| IG14/1 | Personnel record cards (Blanket embargo until 2050 – staff may search the cards to see whether a particular card exists in order to advise searchers on whether it is worth their while to proceed in requesting permission to gain access) | 1920-c1965 |
| IG14/1/1 | Series labelled 'Ex Bedford Employees (Male)'. Each card gives name, date of birth, address, educational standard, apprenticeship and experience, department, capacity, start and end dates for employment at Igranic, reason for leaving, physical defects, useful suggestions received, general history and remarks. | c 1930 - c 1959 |
| IG14/1/2A | Series labelled 'Past Staff Records Male'. Each card gives: surname and initials, department, details of pay and superannuation with brief notes on employment history, date of leaving. Some also give reason for leaving. Includes list of 'draughtsmen released from September 1939'. | c 1936-c1963 |
| IG14/1/2B | Series labelled 'Past Staff Records Female'. Each card gives: surname and initial, department and capacity, date of joining, pay and related employment details, date of leaving. Some include reason for leaving and comments on standard of work. | c 1930 - c 1963 |
| IG14/1/3 | Series labelled 'Current staff'. Each card gives: surname and initial, pay and related employment details, superannuation, department. There are also cards which list male and female staff and break the staff down by age group. | up to 1962/3 |
| IG14/1/4A | Series labelled 'Leavers works male'. Each card gives: name, date of birth, address, employed as, category, department, commenced, left, previous employ, reason leaving, code, foreman's remarks, re-engage, ability, conduct, timekeeping. | Up to c 1965 |
| IG14/1/4B | Series labelled 'leavers works - females 1960-65'. Each card gives: name, date of birth, address, employed as, category, department, commenced, left, previous employ, reason leaving, code, foreman's remarks, re-engage, ability, conduct, timekeeping. | 1960-65 |
| IG14/2 | Training department register of apprentices and trainees commencing training with the company from 1919 and register of placement of Ex-Chester apprentices. | 1919 - 1974 (compiled 1970s?) |
| IG14/3 | Letter from Ernest Janner? to Mr Reeve giving his reminiscences of the company during its early years. | 16 November 1978 |
| IG14/4 | Licence registration book for a grey and black laudaulette NM 1173 made by Iris Cars Ltd in 1912 and registered to Igranic Electric Co Ltd | 1921 |
| IG14/5 | Who's who: Cutler-Hammer and Brookhirst Igranic personalities. Booklet containing photographs and biographies produced for the directors visit in 1973 see IG8/3/5. | 23/24 May 1973 |

| IG15 | Ephemera | 1906-1983 |
|--------|--|--|
| IG15/1 | Poem - 'The end of the month on Output - Rotten' | c1920 with annotations from 1930 |
| IG15/2 | Play 'They also serve: a tribute to the patience of our long suffering customers'. | n.d. c 1920-30 |
| IG15/3 | Transcript of memorial plaque: 'In grateful memory of those employees of Igranic Electric Co Ltd who gave their lives in the service of their King and Country during the World War - Robert G Blackburn, Frederick A Carter, Cyril G Chesher, Ivor J church, John Clark, Arthur J Cole, Leslie K Crane, Albert H Edwards, Percy Fuller, Michael J Gooch, Frederick A Jennison, Richard D Labrum, Wilfred Leach, Albert Lett, Eric J Livermore, Edward Pell, Aubrey Taylor, Norman C Wattling, Bertie Williams, Geoffrey F Wyes. | 1906-1983 |