

Collection Nam	Level	Reference	Description	Dates	Creator(s)	Admin History	Archival History	Scope & Content
Robinson Percy Foulds/Tootal Broadhurst Lee	Collection	YA2007.60	A collection of papers relating to research work carried out by Mr Foulds, a Research Chemist at Tootal Broadhurst Lee.	c.1920s-1950s	Robinson Percy Foulds		Robinson Percy Foulds was involved in the research and development of non-crease yarns for Tootall Broadhurst Lee. The collection includes his personal notes on the development of ideas he and others had from the 1920s onwards. The items were retained by his daughter after his death and subsequently offered to MOSI.	34 items including papers describing the research and development of non-crease fabrics, c.1920-1930
Robinson Percy Foulds/Tootal Broadhurst Lee	Series	YA2007.60/1	Papers relating to research conducted by Foulds and his co-workers.	1922-1950	Robinson Percy Foulds			Includes copies of reports, handwritten reports and notes, a patent document, and a correspondence.
Robinson Percy Foulds/Tootal Broadhurst Lee	Sub-series	YA2007.601/1	Copies of typed reports and other documents	1926-1950	Robinson Percy Foulds			
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/1	Document relating to non-crush fabric research.	1926	Robinson Percy Foulds			Includes timelines with information regarding decisions and activities undertaken, and short reports on the "N/C Problem."
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/2	A copy of a report, entitled: "Work on N/C Problem."	1926	Robinson Percy Foulds			The report includes information on the types of acidic gases used to treat cotton, pretreatment methods, other activities, and work conducted at Glossop.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/3	A carbon-copy of summary written by Foulds and J.T. Marsh relating to experiments conducted at Glossop, regarding non-crush fabrics.	1927	Robinson Percy Foulds			The summary includes details on the reaction mixture used to treat fabrics, the preparation of intermediates, the colour of fabric after treatment with the reaction mixture, and the softness of the end-product.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/4	A short report relating to work trials on non-crush fabrics using a calender.	1927	Robinson Percy Foulds			Includes details of different methods employed, such as variations of temperatures used on calender rollers, and the preparation of reaction mixtures.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/5	Two copies of a summary entitled, "Physical Properties of Fabrics Treated with N/C Process."	1928	Robinson Percy Foulds			Summary focuses on cotton, viscose, linen, and woollens. It includes information on the strength, weight, feel, draping qualities, washing, regain, and colour of the fabric after treatment.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/6	A carbon-copy incomplete extract of a chapter, translated into English, from the publication, Die Kunstlichen Harze, entitled, "Urea-Formaldehyde Condensation Products."	1931	Robinson Percy Foulds			Includes sections on condensation without condensing agents, condensation with acids, and condensation with basic substances.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/7	A document, entitled, "Mixtures of Lactic acid, Antimony Trichloride and H2SO4."	1934	Robinson Percy Foulds			Paper details the use of these chemicals to produce an opaque cloth that is permanently stiff, for an individual identified at Mr. Seddon.

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Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/8	A document, entitled, "Powder Chlorination Progress."	1950	Robinson Percy Foulds			Paper details various items that need to be investigated in regards to the process, including the best type of bleaching powder to use, the best method of application as regards to quantities and particle size of reagents, and the number of times that the mixture can be re-used by freshening with unused bleaching powder.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/9	A report, entitled, "The Production of Anti-Crease Fabrics."	n.d.	Robinson Percy Foulds			The report includes details on the process relating to the production of such fabric, including preparation of cloth before impregnation, and the preparation of the resin mixture; and information on the equipment and machinery required.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/10	A report, entitled, "The Production of Crease-Resisting Fabrics."	n.d.	Robinson Percy Foulds			This is the first part of the report and details the processes involved in the production of such fabric.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/1/11	Unattached title page for a bundle of reports and summeries concerning "A Problem."	n.d.	Robinson Percy Foulds			
Robinson Percy Foulds/Tootal Broadhurst Lee	Sub-series	YA2007.60/1/2	Handwritten notes, draft correspondence, and other documents by Foulds.	1922-1937	Robinson Percy Foulds			
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/1	Notes on a report by J.H. Lester relating to heat-pressure.	1922	Robinson Percy Foulds			Foulds makes comments on the need to clearly define the term of "permanent deformation of fibres," making reference to two types of deformed fibres produced in previous experiments.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/2	Notes relating to cloth being made for table napkins behaving abnormally during the acid process.	1923	Robinson Percy Foulds			Notes describe the irregularities and the possibly causes, as well as steps that may be undertaken to identify what is causing the abnormalities during the acid process.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/3	Drafts of a letter sent to Dr. Willows, along with another document containing a list of dates and information, which relate to the letter's contents.	1931	Robinson Percy Foulds			Foulds informs Willow that he has been thinking of possible ways to quicken/make more efficient the scouring process, and has had a word with another member of the team about conducting trials.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/4	Notes on the origin of chamber heating for AC fabrics, and the strength of cotton fabrics.	1933	Robinson Percy Foulds			
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/5	Notes on the history of AC [acid condensation?] work on linens.	1933	Robinson Percy Foulds			Also included are notes prepared making the case for why Foulds should be included in a patent relating to the treatment of linen and cotton using swelling agents.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/6	Notes relating to chain yarn.	1936	Robinson Percy Foulds			Includes details of Foulds' experiments with producing chain yarn and creating various machinery.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/7	A ring-leaf notebook containing short notes relating to experiments and discussions.	1937	Robinson Percy Foulds			There are also non-experiment notes, including copies of quotes by Aristotle and Henry David Thoreau.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/8	Bundle of notes on various topics, including printing with indanthrene colours, oil stains, diameter of yarns, and unshrinkable voile.	n.d.	Robinson Percy Foulds			

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Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/9	Notes on the tendering of cellulose fabrics by acid, with details on concentration of acid, period of contact, and temperature.	n.d.	Robinson Percy Foulds			
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/10	Notes on mercerisation, the production of unshrinkable voile via mercerisation, the process of obtaining differential dyed effects on fabrics by embossing, and other experiments.	n.d.	Robinson Percy Foulds			Notes on other activities include the additions to sulphuric acid for various purposes, the softening of acid-treated fabrics, methods of more even heating of calender rollers, the production of finished serviettes, and the production of linen-feel on cotton material.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/2/11	A bundle of notes relating to patents and Foulds' involvement in experiments.	1933-1934	Robinson Percy Foulds			Includes a document listing Foulds' involvement in acid condensation patents and an unidentified rubbing process; and a list of various patents.
Robinson Percy Foulds/Tootal Broadhurst Lee	Sub-Series	YA2007.60/1/3	Documents relating to work conducted by Foulds at Tootal Broadhurst Lee.	1923-1928	Robinson Percy Foulds			Includes a letter and a patent document.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/3/1	Patent specification document, no. 200,881.	1923	Robinson Percy Foulds			Patent relates to improvements in the crepeing, parchmentising or like treatment of fibres, yarns and fabrics.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/1/3/2	Letter from Charles Lowe & Co. Ltd., to Foulds.	1928	Robinson Percy Foulds	Charles Lowe & Co. Ltd., were manufacturers of carbolic acid and its derivatives, picric acid, aurine, and other products. The company was based in Reddish, Stockport.		Letter informs Foulds that the company has been able to find a source of meta para cresol that is commercially free of ortho cresol. A 2-gallon sample tin is to be delivered, and Foulds' is informed of prices for the substance.
Robinson Percy Foulds/Tootal Broadhurst Lee	Series	YA2007.60/2	Promotional material and textile samples.	c.1930s	Robinson Percy Foulds			Includes a sales convention programme, a pamphlet with fabric samples, and other fabric samples.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/2/1	Tootal Broadhurst Lee sales convention souvenir programme.	1937	Robinson Percy Foulds			The souvenir programme was produced to celebrate the company's retail sales department's 10-year anniversary, and the policy of direct contact with the retail distributor. The programme contains a small essay by Foulds on science studies.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/2/2	A pamphlet relating to the Company's anti-crease process.	n.d.	Robinson Percy Foulds			The pamphlet is accompanied by three sets of fabric samples, each containing an ordinary and anti-crease treated example.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/2/3	Seven fabric samples.	n.d.	Robinson Percy Foulds			
Robinson Percy Foulds/Tootal Broadhurst Lee	Series	YA2007.60/3	Miscellaneous items.	1925-1954	Robinson Percy Foulds			Includes correspondence, press-clippings, and an obituary for Foulds.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/3/1	Copy of letter and other document relating to Foulds' application for the Fellowship of the Textile Institute.	1925	Robinson Percy Foulds			The draft document contains "particulars" supporting his application for the Fellowship, detailing his achievements from 1912 until the early 1920s, including patents of which he is a named party.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/3/2	Pages taken from "The Commerical" paper, containing an article written by Foulds.	1929	Robinson Percy Foulds			The article focuses on linen and wool finishing effects on cotton. It contains a diagram of a Sjoström Cooling and Conditioning Machine.

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Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/3/3	A bundle of press-clippings relating to the Company's discovery of creaseless fabric.	1932	Robinson Percy Foulds			13 items. From various newspapers.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/3/4	A letter to Foulds from A.B. Slatham at the Company, referring to a "write up" that Foulds received in the Company's sales bulletin, regarding the discovery of creaseless fabric.	1932	Robinson Percy Foulds			Accompanying the letter is an extract from the bulletin.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/3/5	Obituary for Foulds, taken from the Journal of the Textile Institute, Vol. 45 No. 4.	1954	Robinson Percy Foulds			
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/3/6	Handwritten notes by Foulds, stating his contributions to the company and what he thinks he is entitled to do as a result.	n.d.	Robinson Percy Foulds			Foulds believes that his contributions entitle him to have different working hours to his co-workers, and to live away from Manchester.
Robinson Percy Foulds/Tootal Broadhurst Lee	Item	YA2007.60/3/7	An extract of a quote by Professor A.M. Low, from the Daily Graphic.	n.d.	Robinson Percy Foulds			The quote reads: "Regimented laboratories seldom produce inventions. It is the little man with a pencil drawing on the back of an envelope who creates. Invention is seldom research; it is an art, and artists do not flourish under control."