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ORENSTEIN & KOPPEL CANADA LIMITED

MG 28 III 76

Finding Aid No. 1277 / Instrument de recherche no 1277

Prepared by Larry McNally &
Norman Ball, Economic and
Scientific Archives Section,
in 1981

Préparé par Larry McNally et
Norman Ball, Section des Archives
économiques et scientifiques,
en 1981

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ORENSTEIN & KOPPEL CANADA LIMITED (est. 1863)

Originals, 1863-1976. 17.4 m. Finding Aid No. 1277.

The first company in the line that leaves up to the present day firm of Orenstein & Koppel Canada Limited was called McKechnie & Bertram. In 1863 John Bertram entered into partnership with Robert McKechnie to produce machine tools in Dundas, Ontario. Their shop, also known as the Canada Tool Works, produced woodworking machinery such as drill presses, lathes, planers and mortising machines. In response to the growing importance of iron and steel, the company placed a greater emphasis on metal working machine tools including lathes, planing machines and radial drills. Machine such as axles and wheel lathes and frame planers were used almost exclusively by the growing railroad industry. McKechnie left the partnership in 1886 and the firm became known as John Bertram & Sons. Growth continued into the twentieth century. In 1901 the company was reorganized as John Bertram & Sons Company (Ltd.), the shares being held by the family. In 1905 the Bertrams allied themselves with Niles-Bement-Pond Company and Pratt & Whitney. These large, well-known American tool manufacturers had wide reputations and technical expertise which the Dundas company could make use of. The shops and foundry were enlarged and production increased. Bertram machine had an excellent reputation in Canada and were starting to gain international attention. During World War I, the Bertram company was extremely busy building lathes millers and specialized shell making machinery as well as actual munitions production. A new lathe shop and storage buildings were erected during the war.

In the 1920's the Bertram family was able to buy out the Niles-Bement-Pond holdings in John Bertram & Sons and became an independent company once again. John Bertram & Sons Co. Ltd. retained control of the Canadian subsidiary of Pratt & Whitney. The latter's line of drills, miller cutters and small tools neatly complemented Bertram's machine tools. Bertram also acted as agents for several American machine tool manufacturers such as Cincinnati Millers, Jones & Lamson and Nordberg. The Second World War brought another period of prosperity and rapid growth during which new buildings and equipment were added to produce regular machine tools. In addition the company produced specialized equipment for boring field guns.

After World War II, John Bertram & Sons made an unsuccessful bid to enter to European market. During the same period the company continued to build custom made machinery as well as specialized plastic and steel mill machinery under licensing agreements from other companies. The Bertrams found it increasingly difficult to compete with the sophisticated machine tools produced by foreign manufacturers. The company found itself manufacturing massive less complex machines such as bending and shearing presses and drop hammers and acting as agents for sophisticated imported machine tools.

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ORENSTEIN & KOPPEL CANADA LIMITED (est. 1863)

By 1951 the company has entered a period of decline and controlling interests were acquired by Russell Industries Limited. During the 1960s the company was purchased by Levy Industries. Despite the construction of some new facilities, the company could not regain its former position of leadership. In 1974 the company was purchased by Orenstein & Koppel, a German based multinational engineering company and once again the plant and facilities constructed by the Bertrams became a center of Canada industrial leadership. The plant in Dundas produces hydraulic shovels, parts for bucket wheel excavators, mine hoists and steel mill equipment.

This collection was presented in 1978 by Orenstein & Koppel Canada Limited. Maps and artwork have been transferred to the appropriate divisions.

Finding Aid No. 1277 is a detailed list of documents.

Corporate Documents, 1883-1974. .8 m (volumes 1-5).

These files deal with the evolution of the company: the McKechnie-Bertram partnership, mortgages, apprentices, monthly and annual statements and corporate appraisals.

Photographic Materials and Trade Catalogues, c.1885-1971. 2.9 m (volumes 6-23).

This section contains, photographic albums, c.1885 of Bertram machine tools including photographs of the construction, erection and finished machine tools. There are also photos of licence and custom built machinery, machining operations, construction of various Bertram shops and views of their interiors. Printed catalogues include general and specialized lines of Bertram products, Niles-Bement-Pond and general suppliers' catalogues.

Financial Documents, 1863-1958. 4.3 m (volumes 24-55).

A wide range of financial documents exists such as sales books, blotters, account books, ledgers, receiving books, individuals sales orders, receipts and invoices and payroll ledgers.

Proposals and Sales, 1885-1966. 6.7 m (volumes 56-89).

This section has price lists, ledgers of machines sold, travellers' notebooks, machine specifications, specification letter books (1898-1962) and quotations form main and branch offices.

Miscellaneous Subjects, 1880-1966. 2.7 m (volumes 90-107).

A wide range of material is included in this section such as: Pratt & Whitney documents, munitions, personnel and employee relations, technical data and instruction books for Bertram machines, samples of printed material, assorted correspondence and glass slides.

May 1982
L. McNally

7-8947
Economic/Scientific

ORENSTEIN & KOPPEL CANADA LIMITED
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Vol.	File	Subject	Date
1	1	<u>J. Bertram & Sons Co. Ltd. 75 Years With Canadian Industry</u>	1861-1936
	2	<u>O & K Gets Everything Going</u> - brochure	1976
	3	Strip of black and white motion picture film showing workers leaving plant.	n.d.
	4	Articles of Co-partnership Renewal - Robert McKechnie and John Bertram - Manuscript copy and typescript copy.	12 January, 1883
	5	Dissolution of Partnership of McKechnie and Bertram, offer of R. McKechnie to sell to or purchase from John Bertram.	29 October, 1886
	6	Notice of dissolution of co-partnership of "McKechnie & Bertram",	24 November, 1886
	7	Dissolution of Partnership between John Bertram and Robert McKechnie - Indenture, Declaration and receipts.	1886
	8	Dissolution of Partnership between John Bertram and Robert McKechnie - correspondence	1886
	9	Mortgages - J. Bertram to R. McKechnie, J. Bertram to T.B. Townsend	1886-1887
	10	Mortgages - R. McKechnie to T.B. Townsend	1889

Vol.	File	Subject	Date
1	11	Mortgages - R. McKechnie to Bertram (Draft) memo on renewals	1890
	12	Mortgages - J. Bertram to R. McKechnie, T.B. Townsend to R. McKechnie, R. McKechnie to W.E.S. Knowles, W.E.S. Knowles to Canadian Bank of Commerce	1891
	13	Mortgages - J. Bertram to R. McKechnie, W.E.S. Knowles to Landed Banking and Loan Co., LBLC to W.E.S. Knowles, Canadian Bank of Commerce to W.E.S. Knowles	1892
	14	Mortgages - J. Bertram to W.E.S. Knowles	1893
	15	Mortgages - J. Bertram to W.E.S. Knowles, J. Bertram to M.S. Wilson, W.E.S. Knowles to M.S. Wilson	1894
	16	Mortgages - J. Bertram to M.S. Wilson	1895-1896
	17	Mortgages - J. Bertram to M.S. Wilson	1897
	18	Mortgages - John Bertram to M.S. Wilson	1898-1899
	19	Mortgages - J. Bertram to M.S. Wilson	1900-1901
	20	Mortgages - J. Bertram to M.S. Wilson	1902-1903
	21	Mortgages - J. Bertram to W.S. Wilson	1904-1905

Vol.	File	Subject	Date
1	22	Dundas, Town of. Bonus Debentures By-Law for John Bertram Co. - Correspondence, By-Law, Bill	1898-1899
	23	Vouchers for Note on Bank of Hamilton	1895-1900
	24	Power of Attorney for Patent 59626, John Bertram to Alexander H. Bertram,	29 April, 1899
	25	Bill of Sale: John Bertram et al to "The John Bertram & Sons Co. (Ltd.)	14 May, 1901
	26	Bill of Sale, Deed for Land Transferred from John Bertram to John Bertram and Sons Co. Ltd.	1901
	27	Incorporation of John Bertram and Sons Co. Ltd. Declaration for Province of Quebec.	1901
	28	Copy of Telegram, H. Bertram, Montreal, to John Bertram, Dundas - regarding bid to sell wheel lathes	11 September, 1903
	29	Foreign Business - Memorandum	1921
	30	John Bertram & Sons, Undated cost estimate for Steel Co. of Canada, Hamilton	c. 1930
	31	By-Laws of John Bertram and Sons Co. Ltd. (Nos. 1, 14 and 15)	1926, 1946- 1969

Vol.	File	Subject	Date
1	32	Offer by Russell Industries Ltd. - for Control of John Bertram & Sons Co. Ltd.	1951
	33	Articles of Apprenticeship	1880-1881
	34	Articles of Apprenticeship	1886-1887
	35	Apprentices' Records	1903
	36	Apprentices' Records	1904
	37	Apprentices' Records	1905
	38	Producing and Non-Producing Employees - Totals	1957-1963

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FINANCIAL STATEMENTS

1903-1905 Monthly statements for the period 1903-1905
1903-1905 operating statistics for the period
with previous months regarding: Machines
under construction, machines shipped,
accounts receivable, accounts payable,
expenses for foundry and machine shop, wages,
production per man, sales expenses.

Year end statements for year ending June 30th 1903-1905
are similar to monthly statements with totals
for the year, profits and losses for the year.

December 1916 statement deals with shrapnel
and shell production. 1916

Vol.	File	Subject	Date
2	1	Correspondence - miscellaneous	1881-1904
	2	Bill of Exchange	1882
	3	Power of Attorney - Edward C. Warren to Thomas Robertson	1882
	4	Assessment Notices	1882-1893
	5	Building Contract between John Bertram and W. R. Williams	1884
	6	Insurance Company Receipts - Correspondence	1886, 1891
	7	Bowhan, J.H. and Co. - Accounts	1889
	8	Vancouver City Foundry and Machine Co. Limited	1889
	9	McKechnie, Robert - List of papers in Bank of Commerce regarding	1891
	10	Waterous Engine Works Co., Brantford - documents relating to legal action	1897-1900
	11	Laurie Engine Co. - accounts and correspon- dence	1897-1900
	12	Accounting system - report	1898

Vol.	File	Subject	Date
2	13	Certificate concerning German Goods - Letter and circular	1903
	14	Cooper, James, Manufacturing Co. - Affadavit of claim re	1904
	15	Assignments for advances - Bank of Hamilton to John Bertram & Sons	1904-1905
	16	Prints - McKechnie and Bertram Tool Works	n.d.
	17	Canadian Machinery and Manufacturing News	27 December, 1923
	18	Canadian Machinery and Manufacturing News	25 December, 1924
	19	Canadian Machinery and Manufacturing News	31 December, 1925
	20	Canadian Machinery and Manufacturing News	30 December, 1926
	21	Canadian Machinery and Manufacturing News	July 1936
	22	Monthly Statements - John Bertram and Sons	July, September, November, 1891
	23	Monthly Statements - John Bertram and Sons	1896

Vol.	File	Subject	Date
2	24	Annual Statement - John Bertram and Sons Co. Ltd. (1901-1902)	June 1902
	25	Annual Statement - John Bertram and Sons Co. Ltd. (1902-1903)	June 1903
	26	Monthly Statements - John Bertram and Sons Co. Ltd.	June - December 1903
	27	Monthly Statements - John Bertram and Sons Co. Ltd.	January - June 1904
	28	Annual Statement - John Bertram and Sons Co. Ltd. (1903-1904)	June 1904
	29	Monthly Statements - John Bertram and Sons Co. Ltd.	July - December 1904
	30	Monthly Statements - John Bertram and Sons Co. Ltd.	January - June 1905
	31	Annual Statement - John Bertram and Sons Co. Ltd. (1904-1905)	June 1905
	32	Monthly Statements - John Bertram and Sons Co. Ltd.	July - August 1905
	33	Annual Statement - John Bertram and Sons Co. Ltd.	1916

Vol.	File	Subject	Date
3		FINANCIAL STATEMENTS: Continued	
		"Statements from 1940 and on include sales, expenses, outstanding accounts, profits, losses comparisons with previous months and years"	1940
3	1	Annual Report - John Bertram and Sons Co. Ltd.	1940
	2	Annual Statement - John Bertram and Sons Co. Ltd.	1948
	3	Annual Statement - John Bertram and Sons Co. Ltd.	1949
	4	Annual Statement - John Bertram and Sons Co. Ltd.	1950
	5	Annual Statement - John Bertram and Sons Co. Ltd.	1951
	6	Annual Statement - John Bertram and Sons Co. Ltd.	1952
	7	Annual Statement - John Bertram and Sons Co. Ltd.	1953
	8	Annual Statement - John Bertram and Sons Co. Ltd.	1954

Vol.	File	Subject	Date
3	9	Annual Statement - John Bertram and Sons Co. Ltd.	1955
	10	Monthly Statement - John Bertram and Sons Co. Ltd.	February 1955
	11	Monthly Statement - John Bertram and Sons Co. Ltd.	March 1955
	12	Monthly Statement - John Bertram and Sons Co. Ltd.	April 1955
	13	Monthly Statement - John Bertram and Sons Co. Ltd.	May 1955
	14	Monthly Statement - John Bertram and Sons Co. Ltd.	June 1955
	15	Monthly Statement - John Bertram and Sons Co. Ltd.	July 1955
	16	Monthly Statement - John Bertram and Sons Co. Ltd.	August 1955
	17	Monthly Statement - John Bertram and Sons Co. Ltd.	September 1955
	18	Monthly Statement - John Bertram and Sons Co. Ltd.	October 1955
	19	Monthly Statement - John Bertram and Sons Co. Ltd.	November 1955

Vol.	File	Subject	Date
3	20	Annual Statement - John Bertram and Sons Co. Ltd.	1955
	21	Monthly Statement - John Bertram and Sons Co. Ltd.	January 1956
	22	Monthly Statement - John Bertram and Sons Co. Ltd.	February 1956
	23	Monthly Statement - John Bertram and Sons Co. Ltd.	March 1956
	24	Monthly Statement - John Bertram and Sons Co. Ltd.	April 1956
	25	Monthly Statement - John Bertram and Sons Co. Ltd.	May 1956
	26	Monthly Statement - John Bertram and Sons Co. Ltd.	June 1956
	27	Annual Statement - Pratt and Whitney Division	1948
	28	Annual Statement - Pratt and Whitney Division	1949
	29	Annual Statement - Pratt and Whitney Division	1950
	30	Annual Statement - Pratt and Whitney Division	1951

Vol.	File	Subject	Date
4		CORPORATE APPRAISALS	
	1	<p>Manufacturers' Appraisal Co., Cleveland, Ohio. <u>Appraisement of the Plant of the John Bertram & Sons Co. Ltd. Dundas, Ontario.</u> June 29, 1908. 640 pages, 2 plans. prepared for Niles - Bement-Pond Co. of New York.</p> <p>Bound evaluation of the entire physical plant of John Bertram and Sons Co. Ltd. Detailed survey including buildings, machine stock, hand tools, power transmission system, heating, lighting and plumbing systems, patterns and office furniture. Item by item inventory.</p> <p>Format varies: original value, depreciation, appraised value. Other material assessed on replacement value. Total value of machine tools, hands, other equipment, each building.</p> <p>Physical plant, after depreciation, valued at \$706,928.96.</p>	June 29, 1908
	2	<p>Manufacturers' Appraisal Co., Cleveland, Ohio. <u>Appraisement of Plant of Pratt & Whitney Co. of Canada, Dundas, Ontario.</u> July 3, 1908. 162 pages.</p> <p>Bound evaluation of the entire physical plant of Pratt and Whitney for Niles-Bement-Pond Co. of New York. Extremely detailed inventory including buildings, machine and hand tools, heating, lighting and plumbing and office.</p> <p>Format varies: original value, depreciation, appraisal value, other material assessed on replacement value.</p> <p>Physical plant, after depreciation, valued at \$54,001.39.</p>	July 3, 1908

Vol.	File	Subject	Date
4	3	Map of Town of Dundas, 1 inch to 6 chains, removed from Appraisalment of June 29, 1908.	June 29, 1908
	4	Monthly change sheets, John Bertram and Sons Company Ltd. - Manufacturers' Appraisal Co. "This file recorded changes in the value of the plant".	1908-1910
5	APPRAISALS		
	1	Various reports by Smart and Gore, chartered accountants plus comments by H. Bertram (1951) on the impact of these reports. Smart, Gore and Co., New York. <u>The John Bertram and Sons Co. Ltd. Report on Examination</u> December, 31 1924. 7 pages plus schedules and exhibits.	December, 31 1924
		A typed report prepared for Niles-Bement-Pond on their subsidiary J. Bertram. Contains an analysis of the present situation of the company, points out its strength and weaknesses and makes recommendations. Tables analyze profits, losses, selling expenses, overhead, foundry statements, covering years 1922-1924.	1922-1924

Vol.	File	Subject	Date
5	1	<u>Various reports on John Bertram and Sons Co. Ltd. by Smart, Gore and Co.</u>	n.d.
		<u>Report on Inventories. June 30, 1925 plus covering letter of September 10, 1925. The report gives statistics and an analysis of the inventory carried by company.</u>	June 1925 - September 1925
		<u>Investigation: Machine Tools and Equipment June 30, 1925. The report contains a useful general history of the company, 1860-1925. There is also an analysis of equipment by age and function plus a list of machines deemed to be excess.</u>	June 1925 1860-1925
		<u>Factory monthly statements: Niles-Bement-Pond Co. subsidiaries: The John Bertram & Sons Co. Ltd. July 1925. Report on the operations of the company for July 1925 with statistics and tables.</u>	July 1925
		<u>Revised Cost and Selling Price of Regular Products. June 30, 1925. The revised suggested selling prices appear to be based on a new set of unit production costs.</u>	June 1925
5	2	Various reports by Smart Gore & Co., chartered accountants. <u>Smart, Gore and Co., New York. Pratt and Whitney Company of Canada Ltd. Report of Examination December 31, 1924.</u>	 December 1924

Vol.	File	Subject	Date
5	2	<p>A typed report for Niles-Bement-Pond Co. on their subsidiary Pratt and Whitney of Canada. It contains an analysis of the present situation of the company which points out its strength, weaknesses and makes recommendations to reduce the present losses. The report includes tables analyzing various aspects of the company.</p> <p>Smart, Gore and Co., <u>Pratt and Whitney Company of Canada, Ltd.</u> <u>Investigation: Machine Tools and Equipment June 30, 1925.</u></p> <p>The report provides an inventory and analysis of the numbers and ages of production machines. Recommendations are included.</p> <p><u>[Smart, Gore, and Co.,] Factory Monthly Statements: The Niles Bement Pond Company and Subsidiaries: Pratt and Whitney of Canada, Limited July, 1925.</u></p>	<p>n.d.</p> <p>1925</p> <p>1925</p>
	3	<p>Smart Gore and Co., New York. <u>Pratt and Whitney Co. Report on Examination. December 31, 1924.</u></p> <p>5 pages plus statistics, tables, exhibits. An analysis with recommendations of the assets of the company and financial problems.</p>	<p>1924</p>
	4	<p>Smart, Gore & Co., New York. <u>Niles Tool Works Co. Report on Examination December 31, 1924.</u></p>	<p>1924</p>

Vol.	File	Subject	Date
5	4	4 pages plus statistics, tables, exhibits. An analysis with recommendations on the assests of the company, financial and technical problems.	n.d.
	5	Smart, Gore and Co., New York. <u>Niles-Bement-Pond Co. Report on Examination December 31, 1924.</u> 9 pages plus statistics, tables, exhibits. An analysis with recommendation on the head company's financial and technical problems.	1924
	6	Smart, Gore and Co., New York. <u>Niles-Bement-Pond Co. and subsidiary Companies: Report on Examination. December 31, 1924.</u> Analysis of the overall performance of the American subsidiaries.	1924
	7	Manufacturers' Mutual Fire Insurance Co., Providence, R.I. <u>Appraisal of the Plant of John Bretrem and Sons Co. Ltd. 1926.</u> An inventory and assessment of the buildings, tools, machines including their worth, cost of replacement and amount of insurance required.	1926
	8	Manufacturers' Mutual Fire Insurance Co., Providence, R.I. <u>Appraisal of the Plant of Pratt and Whitney Co. of Canada Ltd. 1926.</u>	1926

Vol.	File	Subject	Date
5	8	3 pages. An inventory and assesment of the buildings, tools and machines including their value and cost of replacement.	1926
	9	Manufacturers' Mutual Fire Insurance Co, Providence R.I. <u>Insurance Appraisal of John Bertram and Sons Co. Ltd.</u> 1953. 2 volumes. Inventory and assesment of the buildings, tools, machines including their value, cost of replacement.	1953
6		PHOTOGRAPHIC MATERIAL AND TRADE CATALOGUES	
	1	John Bertram & Sons Co. Ltd. Photograph Numbers, 1930-1957? 67 pages used. A bound book containing a record of the photos taken of Bertram machines. Format varies: photo number, serial and model number of machine and remarks. A more complete description gives the above data and General Order Number, Date and customer; arranged by photo number.	1930-1957
	2	McKechnie & Bertram, Dundas. <u>Machine Tools and Car Machinery.</u> Dundas: McKechnie & Bertram, [N.D. pre-1885] 68 pp. Indexed. 45 photographs of boring, slatting and drilling machines, punches, shears and wood working machinery. Photographs are pasted on description sheets giving the name, function, dimension and weight of the machinery. The description sheets are pasted into the book. Some descriptions sheets and/or photographs are missing.	[n.d. pre-1885]

Vol.	File	Subject	Date
6	3	<p>McKechnie & Bertram, Dundas. Untitled bound album of photographs of metal and wood-working machinery. 107 pages [42 used], N.D. [post 1885].</p> <p>69 photographs and 12 line engravings illustrate lathes, drills, shears, borers, planers, circular saws etc. In some cases photos and engravings form part of advertising literature which give name, dimensions and sometimes price.</p> <p>Spine of Album and some machines are identified as McKechnie & Bertram. McKechnie's name is sometimes blacked out and newer machines are identified as John Bertram & Sons.</p> <p>2 loose photos and 1 business card removed.</p>	[post 1885]
	4	<p>John Bertram & Sons, Dundas. <u>John Bertram & Sons' Illustrative Catalogue of Machine Tools.</u> 1894. Manufactory- Canada Tool Works. 1894. 184 pp. Indexed. Typed index, 3 pages includes discounts: Printed catalogue supple- mented by tipped in photographs.</p> <p>The catalogue has boring, drilling, planing and slotting machines, lathes and wood working machines for which there is a description for each machine including name, model number, function of principal parts, weight and cost of attachments. Also Acme bolt cutting and lapping machines are in the catalogue. There is a list of purchasers for the various types of machines. The photographs which have been tipped in presumably show more recent models than the printed photo- graphs.</p>	1894

Vol.	File	Subject	Date
7	1 (cont'd)	Loose material removed and filed separately: <u>List of Machine Numbers</u> . (adopted January 1887). Models 301-600.	
	2	John Bertram & Sons. Co. Ltd., Dundas. <u>Machine Tools: Book 2</u> . 73 pp. Bound Album of photographs by J.R. Gravelle of John Bertram & Sons. Typed index pasted on inside of front cover. 74 photographs of bending rolls, boring and turning mills, drills steam hammers, shears and punches. (caption gives model number, size and name). Patent date for binder 1902.	n.d.
	3	John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs mounted on linen. 197 pp. Typed index titled "Index to book No. 2" gives model number, name, photo number and page. . 197 photographs of boring and turning mills, car wheel borers drilling and planing machines, shapers and slothers. Model and photograph numbers on each photo. Some machines have more than one photograph.	n.d.
	4	John Bertram & Sons. <u>Illustrated Catalogue of Machinists' Tools and Woodworking Machines</u> . Manufactory Canada Tool Works, Dundas, Ontario 1888. 155 p. Indexed. Engravings of machine tools with accompanying descriptions giving sizes and weights.	1888

Vol.	File	Subject	Date
8	1	<p>John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs of machine tools with accompanying yellow sheets giving serial, photo, order and invoice numbers, name and description. In some cases purchaser is named e.g. C.N.R. Transconia Shops. Index tabs H-L.</p> <p>328 photographs of locomotive wheel lathes and grinders, steam hammers, engine lathes, Time Saver Lathes. Model and photograph number and sometimes machine serial number marked on photo. Numerous views of larger machines and attachments available. Some photographs have a description pasted on the back.</p>	n.d.
	2	<p>John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs of machine tools with accompanying yellow sheets giving serial, photo, order and invoice numbers, description some purchasers and prices.</p> <p>180 photographs of planing machines, boring and turning mills. Model and photo numbers on the photographs.</p>	[n.d., 1923-30]
9	1	<p>John Bertram & Sons Co. Ltd., Dundas. <u>Machines for Gun Work.</u> Bound album of photographs of machine tools for gun work with accompanying yellow sheets giving serial, photo, order and invoice numbers, description and purchasers.</p>	[n.d., 1941-43].

Vol.	File	Subject	Date
9	1 (cont'd)	127 photographs of Bertram Shell turning lathes and Bertram built Craven gun boring and rifling machines. Model, photo and serial numbers on the photographs. Numerous close-up shots of features.	
	2	John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs of machine tools with accompanying yellow sheets giving serial, photo, order and invoice numbers, description, some purchasers and prices. 272 photographs of Railway wheel and axle lathes, engine lathes, Bertram-Craven gun boring machines and vertical millers. Close up photographs of details and attachments. Model and photo numbers marked on photographs.	[n.d., 1919-31]
	3	John Bertram & Sons Co. Ltd., Dundas. <u>Miscellaneous</u> . Bound album of photographs of machine tools with accompanying yellow sheets giving serial, photo, order and invoice numbers, purchasers and dates. 67 photographs of Acme bolt cutting machines, bending and straightening machines, boring and drilling machines.	[n.d., 1922-26]
10	1	John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs of custom built equipment and machinery built under license.	[n.d., 1935-51]

Vol.	File	Subject	Date
10	1 (cont'd)	180 photographs of Bertram built Farrel Birmingham Calenders, Robertson hydraulic systems, H.P.M. hydraulic presses, Bliss presses and Sandzimir Sheet Mills. Also photographs of defective pieces returned to Bertram. Some foundry and erection photos. Name of machine, G.O., photo, sometimes serial and B.B. numbers and client/licenser on each photo.	
	2	John Bertram & Sons Co. Ltd., Dundas. Untitled bound album License built equipment. Nordberg mine hoists, Sunderland pulp refiners, Farrel Birmingham rubber machinery. Photographs of foundry, forge, machine shop, fitting and erection 1912 - 1940's. Also defective parts returned to Bertram. G.O., photo numbers, sometimes name of machine, client, date on photos. Some photographs unidentified.	n.d.
11	1	John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs of machine tools under the headings of General Purpose, Railroad, Structural and Arsenal. A general list of machines is given at the beginning of each section. Property of A.E.R.T. 97 photographs of general machine tools. Model; photo and serial number, name and capacity on each photo.	n.d.

Vol.	File	Subject	Date
11	2	Acme-Bertram Machine Tools Ltd., Dundas. Untitled bound album of photographs of Machine Tools. 28 photographs of shapers, planers, boring mills, wheel lathes and strighten- ing equipment. Multiple views of some machines. Model, photo and serial numbers on each photograph. Photographs stamped Nov. 1954.	1954
	3	John Bertram & Sons Co. Ltd., Dundas. <u>Structural and Bridge Shop Machinery.</u> Bound album of photographs of machine tools. Index gives page, machine number, name, horsepower & power source. 83 photographs of rotary planers, punches, shears, bending rolls, steam hammers, Acme nut machines, tappers and bolt cutters. Model and photograph number on each photograph.	n.d.
	4	John Bertram & Sons Co. Ltd., Dundas. <u>Mine Hoists.</u> Loose-leaf album of photographs of Nordberg - Bertram mine hoists. Property of M.T. Knutzen. Pages inserted between photographs gives size, speed, horsepower and capacity of hoist. 15 photographs of mine hoists (generally Noreberg design made for various Canadian mines). Size, G.O., number, photo numbers and name of purchaser given on photographs.	n.d. [1936- 44]
	5	John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs of the construc- tion of a 36 foot boring and turning mill and a long bed planer for the Bertram shops.	n.d.

Vol.	File	Subject	Date
11	5 (cont'd)	82 photographs of the mould making, machining and erecting of these two machines. The photographs are annotated.	
12	1	John Bertram & Sons Co. Ltd., Levy Industries, Dundas. Untitled album of photographs of custom and license built machinery and views of the Bertram Shop. 28 photographs of Sendzimir rollers, gears, mine hoists and presses. Some photographs have no annotation, others only photo numbers and some have a description of the machinery and the purchaser's name.	n.d.
	2	<u>Bertram Proposal, Dundas. Bound album of photographs of the construction of a large wind tunnel.</u> Also 18 photographs of plate rolling equipment, rolling, welding, assembly and transportation of a large wind tunnel and other plate work such as a jet engine tester and electric ovens.	n.d., [1956-57]
	3	John Bertram & Sons Co. Ltd., Dundas, <u>Pattern Storage and Retaining Wall Construction, October 3, 1916.</u> Bound album of photographs showing building and retaining wall construction. March 1916 - June 1918.	1916-1918

Vol.	File	Subject	Date
12	3 (cont'd)	G.O. photographs of construction and material handling methods in all seasons. Photographs are dated and some are annotated.	March 1916 - June 1918
	4	John Bertram & Sons Co. Ltd., Dundas. <u>New Machine Shop and Storage Building Construction</u> . Bound album of photographs of the construction of these two buildings. 61 photographs of men and machinery working under winter conditions. Construction and material handling techniques illustrated. Photographs are dated and most are annotated.	January - June 1918.
	5	John Bertram & Sons Co. Ltd., Dundas. <u>Rebuilding West End Shops 1934-40</u> . Bound album of photographs of the erection of new Bertram shops [Nov. 1939 - May 1941] and Pratt & Whitney offices [May - July 1941] 159 photographs of demolition of old shops, construction of new ones, heating plant construction and special foundations for large planers and lathes. Photographs numbered and dated and generally annotated.	1934-1940 [Nov. 1939 - July 1941]
	6	John Bertram & Sons Co. Ltd., Dundas. <u>Views in the Bertram Shops Taken by Department of War Services, 1943</u> . Bound album of photographs of war production scenes in the Bertram shops. 26 photographs of men and women doing war production work, and different machines in operation. No information on photographs.	1943

Vol.	File	Subject	Date
13	1	<p>John Bertram & Sons Co. Ltd., Dundas. <u>Canada Tool Works</u>. 77 pp. Bound album - catalogue of photographs of metal and wood-working machinery.</p> <p>121 photographs of lathes, boring slotting, milling and drilling machines, punches and shears and woodworking machine tools. Most machines identified by model number on photograph. Some photographs are missing. Photographs are very similar to those in the item directly below.</p>	[n.d., post 1885]
14	1	<p>John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs of metal and wood-working machinery.</p> <p>120 photographs of planers, drill presses, millers, lathes, steam hammers, punches, shears and wood working machines. Some machines identified by model numbers and some photos are annotated. Some photos missing.</p>	[n.d., post 1885]
15	1	<p>John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs of the construction of mine hoists and those built for various mines,</p> <p>13 photographs of machining operations and final set up of mine hoists. Size of hoist, purchaser, G.O., and photo numbers and horsepower on each photo- graph.</p>	n.d.

Vol.	File	Subject	Date
15	2	<p>John Bertram & Sons Co. Ltd., Dundas. Untitled bound album of photographs of custom and license built machinery. Property of N.T. Finlayson (Works manager, 1936).</p> <p>27 photographs of Farrel plastic machines, Bliss presses, Cameron news-print machinery and Northern Electric equipment. Differing information for the photographs.</p>	n.d.
16	1	<p>Bertram Machine & Tool Co., Levy Industries, Dundas. Untitled bound album of photographs of custom and license built machinery.</p> <p>45 photographs of custom equipment for Algoma, license built Sendzimir rolling mills, Voss Engineering equipment made in Pittsburgh, Bertram shears, rollers, axle and wheel lathes and sophisticated tracing lathes.</p>	n.d.
	2	<p>Farrel - Birmingham Co. Inc., Ansonia Conn. <u>F.B. Production Units I.</u> Loose- leaf catalogue of machinery. Canadian mailing list inside front cover.</p> <p>40 photographs of rubber and plastic mills and crackers. Name of machine, dimensions, power, date and photo number on each photo.</p>	[n.d., 1936-46]
	3	<p>Farrel Birmingham Co. Inc., Ansonia Conn. <u>F.B. Production Units II.</u> Loose-leaf catalogue of machinery.</p>	[n.d., 1934-46]

Vol.	File	Subject	Date
16	3 (cont'd)	38 photographs of rubber and plastic calenders, extruders and plasticutors? Name of machine, dimensions, power, date and photo number on each photograph.	[n.d., 1934-46]
17	1	75 mm. Shell Production, W.W. I. 5 photographs.	n.d.
	2	John Bertram & Sons Co. Ltd. Custom built machinery & tools. 11 photographs.	n.d.
	3	John Bertram & Sons Co. Ltd., Office building construction 1917. 12 photographs.	1917
	4	John Bertram & Sons Co. Ltd., New machine shop construction. 1 photograph.	January 18, 1918
	5	John Bertram & Sons Co. Ltd., War production. 1 photograph.	1940.
	6	John Bertram & Sons Co. Ltd., and American Federation of Labour, Contract signing, participants identified. 2 photographs.	June 1951,

Vol.	File	Subject	Date
17	7	John Bertram & Sons Co. Ltd., Interior views of shop. 4 photographs.	n.d.
	8	Unidentified Earth moving equipment, F.F. Fry Ltd., group photograph at Bertram Plant. Dundas.	n.d.
	9	Grand Trunk Railway, negative of locomotive shop interior, [Stratford?].	n.d.
	10	Taylor & McKenzie, Guelph, Canada. Photograph of grinders and pulleys for belt drive.	n.d.
18		TRADE CATALOGUES AND OTHER PUBLICATIONS	
	1	Bement, Niles and Company, Philadelphia. <u>Illustrated Catalogue of Metal Working Machine Tools also Steam Hammers, Hydraulic Machinery Etc.</u> Philadelphia: Bement Niles & Co. 1893. 358 pp. illus. Index stamped Chas. Spalding, Canadian Representative, 50 Cathcart Street Montreal. 1 page engraving, 1 page description of lathes, boring machines, planers and other general machine tools.	1893
	2	Niles - Bement-Pond Company. New York. <u>Machine Tools</u> . New York: Niles - Bement-Pond Co., 1903. 713 pp. illus. Index.	1903

Vol.	File	Subject	Date
18	2 (cont'd)	Printed photographs and description of general machine tools. Specializing in extra large machines for locomotive and plate. Also has Pratt & Whitney millers, screw cutting lathes and small tools.	1903
	3	Niles-Bement-Pond Company, New York. <u>Machine Outils, 1921.</u> New York: Niles Bement-Pond Co., 1921. 451 pp. illus. Index marked on cover. "John Bertram & Sons Co. Ltd., Dundas, Ontario. Sales Representative".	1921
		French language version for European market. Almost the same as the English language 1920 edition except fewer models are included.	1920
	4	John Bertram & Sons Co. Ltd., Dundas. <u>Modern Machine Tools.</u> Hamilton: John Bertram & Sons, n.d. 255 pp. illus. Index, same as below, but contains extra section "Railway machinery" at beginning.	n.d.
	5	John Bertram & Sons Co. Ltd., Dundas. <u>Modern Machine Tools.</u> Hamilton: John Bertram & Sons, n.d. 215 pp. illus. Index.	n.d.
		Printed photographs accompanied by descriptions and dimensions of lathes, boring mills, sharpeners punches etc. Acme style bolt machinery. Contains views of Bertram machines at work in shops.	

Vol.	File	Subject	Date
19	1	<p>Niles-Bement-Pond Company, New York. <u>Machine Tools, 1920.</u> New York: <u>Niles-Bement-Pond Co., 1920.</u> 605 pp. illus. Indes. Marked on cover. "John' Bertam & Sons Co. Ltd., Dundas, Ontario, Sales Representatives".</p> <p>Printed photographs and descriptions giving function of machine tools. Specialized gun lathes and borers, Pratt & Whitney machines.</p>	1920
	2	<p>John Bertram & Sons Co. Ltd., Dundas. <u>Punching and Shearing Machines.</u> N.P. John Bertram & Sons, n.d. 70 pp. illus.</p> <p>Printed photographs of punches, shears and bending machines. Table of dimensions.</p>	n.d.
	3	<p>John Bertram & Sons Co. Ltd., Dundas. <u>Machine Tools: Condensed Catalogue,</u> <u>Dundas: John Bertram & Sons, 1947.</u> 51 pp. illus.</p> <p>Machine tools for general purposes, railroad and structural shops. Printed photographs plus descriptions and dimensions.</p>	1947
	4	<p>Mesta Machine Company, Pittsburgh. <u>Plant and Production of the Mesta</u> <u>Machine Company.</u> Pittsburgh: Mesta Machine Co., 1919. 127 pp. illus.</p> <p>Photographs and descriptions of plant and its products rolling mills, gas and steam engines, forgings and castings.</p>	1919

Vol.	File	Subject	Date
19	5	<p>Niles Tool Works, Hamilton, Ohio. <u>Iron and Steel Working Machinery.</u> Cincinnati: Niles Tool Works, 253 pp. illus with photographs. Property of Howard Abbott, Master mechanic, Westinghouse Electric and Supply Co., Pittsburgh, Pa. leather cover.</p> <p>Photographs on one page description on the other. Covers Lathes, drills, boring mills etc.</p>	<p>n.d.</p> <p>n.d.</p>
	6	<p>Niles Tool Works Hamilton, Ohio. <u>48 Inch Car Wheel Borer: Sales</u> <u>Book No. 2.</u> Hamilton: Niles Tool Works, 1926. 86 pp. illus.</p> <p>Bound typed technical manual for salesmen giving specifications, dimensions, set up, etc. for wheel borer. Contains photographs, blue prints and information on competitors' models.</p>	1926
	7	<p>Lima Hamilton Corporation. Niles Tools Works Co. division. Catalogue of descriptions and specifications for boring mills, laths, planers, railroad and miscellaneous machine tools.</p>	1951
20	1	<p>Bertram, Dundas. Folder containing description and specification of Demay Compressors. Includes photographs of installations.</p>	1958

Vol.	File	Subject	Date
20	2	Niles-Bement-Pond Company, New York. <u>Niles Cranes</u> . Folder containing technical data for Niles Cranes and parts.	n.d.
	3	Russell Industries Limited. Loose-leaf binder containing photographs and pamphlets. Relating to the manufacturing facilities and capabilities of a) John Bertram & Sons. b) Canadian Acme Screw & Gear Ltd. c) York Gears Ltd.	n.d.
	4	Niles-Bement-Pond Company, Pratt & Whitney Division. Salesman manual containing technical data, accesories parts and prices for shapers, die sinkers, jig borers, millers etc.	1949-51
	5	B.S.A. Acme Gridley, Birmingham, U.K. Loose-leaf binder containing advertising literature and photographs for automatic bar machines-huller (tapping & Threading), automatic screw machines etc. Also National Acme Co. Cleveland Ohio. John Bertram & Sons Co. Ltd. Agents in Canada. 1958. Typed Canadian price list.	1958
	6	Salzgitter Maschinen Ag, Salzgitter-Bad, W. Germany. Loose-leaf binder containg pamphlets on conveyer systems, sugar equipment, centrifuges, drill rigs, excavators.	n.d.
	7	Demag Ag, Duisburg, W. Bermany. <u>Manual of Industrial Equipment Duisburg: Demag,</u> 1961. 208 pp. illus. Plants and systems constructed by Demag.	1961

Vol.	File	Subject	Date
21	1	Canadian General Electric Co. Ltd., Toronto. Binder containing technical data on electric motors, motor controls and updated suppliments.	n.d.
	2	Cincinnati Milling Machine Co., <u>Cincinnati Machines</u> . Binder containing technical data on milling machines, attachments, surface, universal and centerless grinders.	n.d.
22	1	Carnegie Steel Co. Ltd., Pittsburgh. <u>Pocket Companion Containing Useful Information and Tables Appretaining to the Use of Steel</u> . Pittsburgh: Carnegie Steel, 1896. 284 pp. illus.	1896
		Technical data on steel, formulas, tables.	
	2	Williams & Wilson Ltd., Montreal. <u>Machinery and Industrial Supplies for Engineers and Manufacturers</u> . <u>Catalogue No. 60</u> . (1960) 800 pp. illus. Index.	1960
		Catalogue of tools, machinery, parts, instruments etc.	
	3	Harold Jones Machine Co. Ltd., Thornbury Ontario. <u>Gear Hardening Machine</u> . Binder containing photo- graphs, diagrams and specifications of an induction hardening machine for gears.	n.d.

Vol.	File	Subject	Date
22	4	Nine Japanese Machine Tool Pamphlets received by Levy Industries in 1965. Pamphlets contain technical information on these products. Covering letter of 22 July 1965.	1965
	5	Algoma Steel Corp. Ltd., Sault Ste. Marie, Ontario. Product Manual. Loose leaf binder with specifications of materials produced by Algoma.	1964
	6	<u>Comparisons - September 1971</u> Photocopy of a typed list of technical data and prices for truck and crawler cranes from different manufacturers.	1971
23	1	John Bertram & Sons Co. Ltd., Dundas. <u>Modern Machine Tools, Canada Tool, Canada Tool Works 1861-1904.</u> Rought paste up for a machine tool Catalogue. Shop views at end identified in Pitman shorthand.	1861-1904
24		FINANCE AND SALES	
	1	McKechnie & Bertram. <u>Sales Book No. 1 (Order Book) June 1872 to December 1882.</u> 227 pages. Account book giving date, name of customer, location, machine tools and parts sold, price, delivery and terms of sale for both wood and metal working machine tools.	June 1872 - December 1882

Vol.	File	Subject	Date
24	1 (cont'd)	Alphabetical index of customers and page bound inside front cover. Volume has been rebound.	June 1872 - December 1882
	2	John Bertram & Sons. <u>Order Book No. 2, January 1883 to June 1894.</u> 392 pages. Account book giving date, name of customer, location, machine tools and parts sold, price, terms of sale, sales, invoice or shipping number. Mostly metal working machines. Alphabetical index of customers bound inside front cover. Volume has been rebound.	January 1883 - June 1894
	3	Another index to Sales Book No. 2., perhaps from the original book. Appears to have more entries than the index above.	1883-1884
25	1	John Bertram & Sons. <u>Order Book No. 3. July 1894 to October 1899.</u> 428 pages. Account book containing a full description of the machine tool ordered, including customer and location, cost, method of payment, shipping or order numbers, weight and date. Monthly total of sales. At back of Volume: List of shipments to France, England, Russia and Kingston, Jamaica. Alphabetical index of customers and page inside front cover.	July 1894 - October 1899

Vol.	File	Subject	Date
25	2	<p>John Bertram & Sons. <u>Order Book No. 4.</u> November 1899 to April 1908, 434 pages. Account book containing a full description of the machine tool order, cost, method of payment, shipping number etc. Monthly sales total.</p> <p>From July 1903 onwards a condensed system used. Orders received on left hand page, orders shipped on right hand page. Includes serial number, customer, railway shipped on, amount, terms etc. but just name of machine.</p> <p>Alphabetical index of customers.</p>	<p>November 1899 - April 1908</p> <p>July 1903</p> <p>n.d.</p>
26	1	<p>McKechnie & Bertram. <u>Blotter.</u> August 1870 to August 1872. Book marked "Lancashire Fire & Life Insurance Co." inside front cover. Rough list by date and customer of machinery and goods sold, repairs made, amount of account. When paid, the account was crossed out. At back table "Weights of Large Castings" weight of various machine tools and some individual pieces.</p>	<p>August 1870 - August 1872</p>
	2	<p>McKechnie & Bertram <u>Blotter</u> May.1875 to August 1878. 252 pages. Lists by date and customer, machine tools sold, castings made, parts, repairs and price of each. Date of payment, pages 239-52. Separate accounts arranged by customer/seller.</p>	<p>May 1875 - August 1878</p>

Vol.	File	Subject	Date
26	2 (cont'd)	e.g. A.D. Cameron for coal and wood. p. 1 "Sundries from old Blotter" (accounts from previous volume)	May 1875 - August 1878 n.d.
	3	Mckechnie & Bertram Blotter, <u>January 1883 to December 1885</u> . Listed by date, customer, location, machine tools sold, castings, parts, and repairs. Cost per unit and total price, marked when paid and crossed out. Amount of sales marked at bottom of page, cumulative total for month. Book water damaged.	January 1883 - December 1885
	4	John Bertram & Sons. <u>Blotter</u> , June 1889 to March 1892. 392 pages used. Arranged by month, customer, address, machine tools and accesories, castings, spare parts, repairs, cost per unit, total cost. Date of payment and then crossed out. Totals for each page and cumulative monthly totals.	June 1889 - March 1892
27	1	John Bertram & Sons. <u>Blotter</u> . April 1892 to October 1894. Arranged by month; customer, some addresses, machine tools, accesories castings, repairs, and their cost. Totals for each page and cumulative monthly totals. Accounts crossed out when paid. Also includes some factory expenses; travelling, cleaning, freight etc.	April 1892 - October 1894 n.d.

Vol.	File	Subject	Date
27	2	McKechnie & Bertram Stock Book And Customer List. 1871-1905. 40 pages used. Account book containing a list of machines in stock, their value and, who they were sold to, sometimes giving location of customer. List of machines sent to various expositions. (e.g. Toronto 1890; St. Johns, 1890; Chicago, 1893). Machines sold through their own agents in Montreal, Toronto (H.W. Petrie) Vancouver (W.L. Leonard & Co.). List of machines in stock December 1894, Dundas, Montreal, Three Rivers. Machine Tool shipments including price.	1871-1905
			1890, 1893
			1894
		"Trial Balance as of 31 March 1874" at back of book.	1874
		1 file folder of loose material removed from stock book above.	
28	1	John Bertram & Sons. Bound nonimal list of customers.	n.d.
	2	John Bertram & Sons. Bound nonimal list of customers.	n.d.
	3	John Bertram & Sons. Bound nonimal list of recipients of catalogues.	c. 1890
	4	John Bertram & Sons. Bound nonimal list of recipients of catalogues.	1894

Vol.	File	Subject	Date
28	5	John Bertram & Sons. <u>Order Book and Shop Orders</u> , September 1887-December 1897. Bound order book for machine tools and machining. giving date, model number, and customer. Gives details of modifications required. Later on orders arranged by customer and year. 7 pages give amount of time spent by various workers doing turning, planing and fitting.	September 1887 - December 1897
	6	John Bertram & Sons Co. Ltd. Shop Order Book No. 3. January 1902 - June 1904. 203 pages. Bound order book for machine tools. Gives customer's name, machine tool orders, size and other details, serial number, machine lot, invoice number, machine lot, invoice number and delivery date. Arranged by month. Notations of the parts required for the machine.	January 1902 - June 1904
	7	John Bertram & Sons. <u>Machines Sold</u> 56 pages used. Book containing a list of machines sold, arranged by type of machines, lathes, millers, shaper etc. Arranged by year, it gives the name of customer, size of machine, and price. Total sales for each section is given. Later a serial or invoice number appears.	August 1897 - June 1901
	8	John Bertram & Sons. Shipments to foreign countries.	1899-1903

Vol.	File	Subject	Date
28	9	<p>McKechnie & Bertram. <u>Ledger August 1863 - December 1866, Cash Book</u> <u>August 1863 - August 1866, Inventory of January 3, 1865.</u> Bound account book containing a variety of information, 1863-1866. Contains both accounts payable and receiveable arranged by client. Payment for factory supplies, and rates, paid to employees. Amount of money paid to John Bertram and Robert McKechnie. Cash paid out. Arranged monthly, August 1863 to July 1866. "Stock of Robert McKechnie as taken (on ? the) when a co-partnership was entered into between John Bertram and R. McKechnie" (1863)</p> <p>Value of the machines, shop and stock of R. McKechnie (\$1082.59).</p> <p>"Stock of McKechnie & Bertram as taken January 3 1865" value of partners, machinery and tools, raw material, finished goods etc. (\$3,202.64).</p>	<p>August 1863 - December 1866</p> <p>August 1863 - January 1865</p> <p>1863 - 1866</p> <p>January 1865</p>
	10	<p>McKechnie & Bertram. Account Book March 1870 to December 1871. 248 pages used.</p> <p>Contains accounts receiveable and payable. Machines sold also spare parts and castings. Wages paid to workmen: names, rates and total. Expenditures for shop coal, wood, travelling expenses. Totals on each page. Year end sumation 1870 (page 43), 1871 (page 248) mention of apprentices. page 112.</p>	<p>March 1870 - December 1871</p> <p>1870-1871</p>

Vol.	File	Subject	Date
28	11	McKechnie: <u>Employees Ledger: January 1872 to December 1875.</u> 172 pages used. Account book of wages paid to employees. Arranged by names and month. Gives number of hours and amount of wages, quaterly sub-totals. Double columns marker "to balance/cash" and "By Wages" Some names marked "Time expires (month)" apprenticeship. Alphabetical index of names inside front cover. Loose material files in next folder.	January 1872 - December 1875 January 1872 - December 1875
	12	Loose material removed from <u>Employee's Ledger ... 1872 ... 1875.</u>	1872-1875
	13	John Bertram & Sons. Wages Paid to Employees, 1887-1888. A list containing the names of employees and how much they made per year as required by the Citizens Insurance Co. for a workmans insurance policy.	1887-1888
29	1	Canada Tool Works. <u>Cost Day Books.</u> Wage books arranged bi-weekly by employee giving number of hours worked and pay. Unknown figures perhaps relating to rate of pay. Book A January 7 - April 13 1901 373 pages. Book B April 16 - July 5 1901 358 pages.	January - April 1901 April - July 1901

Vol.	File	Subject	Date
29	1 (cont'd)	Miscellaneous papers removed from Book B.	n.d.
30	1	Canada Tool Works. <u>Cost Day Books</u> . Wage books arranged bi-weekly by employee giving number of hours worked and pay. Unknown figures perhaps related to rate of pay. Book C July 8 - September 28, 1901. 311 pages. Book D September 30 - December 7, 1901. 302 pages. Miscellaneous papers removed from books C and D.	July - September 1901 September - December 1901
31	1	John Bertram & Sons. <u>Receiving Book No. 1</u> . June 1898 to February 1899. 190 double pages. On left hand page: date, order number, supplier and details of order. On right hand page: date, list of goods received, how it arrived, quantity/weight and freight charges. Covers, files, pig iron, screws, handles, moulding sand, etc.	June 1898 - February 1899
	2	John Bertram & Sons. <u>Receiving Book No. 2</u> . February 1899 to April 1900. 286 double pages. Same as above. Materials for foundry and machine shop: coal, scrap iron, machine parts and hand tools.	February 1899 - April 1900

Vol.	File	Subject	Date
31	2 (cont'd)	List at back Canadian Express Co. rates Dundas to Cleveland.	February 1899 - April 1900
	3	John Bertram & Sons. <u>Receiving Book No. 3</u> , April 1900 to February 1901. 189 double pages. Same as above.	April 1900 - February 1901
	4	Pasted in at various points "Entries open for the month of _____." list of orders not yet received.	n.d.
	5	John Bertram & Sons. <u>Receiving Book No. 4</u> , February 1901 to November 1901. 371 single pages used. Left hand page used for orders, right hand page for receiving.	February 1901 - November 1901
	6	John Bertram & Sons. <u>Receiving Book</u> . September 1894 to July 1896. Account book detailing the purchase of materials for the factory. Includes: pig iron, scrap iron, coal and coke. Weight of materials and amount paid. Arranged monthly.	September 1894 - July 1896
		Moulding sand, turnings, cotton mill scrap, iron and steel bars, small tools. Includes suppliers' name and addresses, number and amount paid.	n.d.
		At end of volume, accounts arranged by supplier and month. e.g. Th. Barnes - moulding sand, Dickson-fright, Cowper - coal.	n.d.

Vol.	File	Subject	Date
32	1	<p>John Bertram & Sons Co. Ltd. Transfer Ledger No. 2. A general purchase ledger arranged alphabetically by suppliers' name and payments with suppliers of goods, services, journal subscriptions and also taxes paid. Total cost at end of year debts/[credits] balance.</p> <p>Index of suppliers at beginning of each alphabetical section.</p>	1900-1906
33	1	<p>John Bertram & Sons. <u>Day Book</u>. Account book showing spare parts, accessories, custom machining and custom casting, machine tools. Arranged by month, showing customer, his location, product or service sold, price per unit and total cost. Monthly totals of sales November 1882 to September 1890. 596 pages.</p>	November 1882 - September 1890
34		<p>McKechnie & Bertram. Articles of Agreement.</p> <p>Sales contracts between McKechnie and their customers. Contains a brief description of the machine tool sold, the price and details of payment.</p> <p>12 folders</p>	1875-1892 n.d.

Vol.	File	Subject	Date
34	2	John Bertram & Sons. <u>Day Book No. 1.</u> 716 pages. Account book of the sale of custom castings, forgings, spare parts, machine tools, second hand machinery. Arranged by month with customer's names, work done of parts sold, cost plus monthly total of sales. Pages 700-716 (January to February 1897) bound into back of book. Marked "Transferred to New Day Book".	October 1890- February 1897
	3	John Bertram & Sons. Delivery list. Account book of the machines shipped from the factory to purchasers. Arranged monthly. January 1902 to March 1907. Typed list. Disbound from delivery book and placed in folders. 58 folders.	January 1902 - March 1907
	4	John Bertram & Sons. <u>Shipping Record.</u> Account book of parts and machines put aboard railway cars. January 1900 to June 1902. 101 pages. Gives date, railway and car number, shop order, shipping number, extra pieces sent, weight and destination.	January 1900 - June 1902
	5	Miscellaneous loose papers found in Shipping Record January 1900 - June 1902.	January 1900 - June 1902
	6	John Bertram & Sons. <u>Shipping Record.</u> Account book containing list of machines and parts put aboard railway cars. May 1906 to June 1910. 141 pages. Gives date, railway and car number, order, serial and stock order number, number of pieces, description of machine and parts, destination and stamped invoice number.	May 1906 - June 1910

Vol.	File	Subject	Date
35		McKechnie & Bertram Orders. Letters received by McKechnie & Bertram asking for machines and parts. Arranged alphabetically A - G.	1881-1883
	1	Order. William Addison & Sons, Hamilton.	4 November 1881
	2	Order. William Addison & Sons, Dundas.	7 March 1882
	3	Order. Agricultural Implement Manufacturing Co., Tillsonburg.	24 January 1883
	4	Order. John Bailey, Orillia.	12 November 1881
	5	Order. W.L. Barrie[?], Morrisburg.	14 November 1881
	6	Order. Barter Manufacturing Co., Toronto.	2 November 1881
	7	Order. W.W. Bartley, Montreal.	29 June 1881
	8	Order. C. Becr [Bechr] & Company, Penetanguishene, Ontario.	6 January 1881
	9	Order. Belcher, Dundas.	20 January 1881
	10	Order. W.E. Belcher, Dundas.	21 January 1881
	11	Order. W.E. Belcher, Dundas.	25 January 1881

Vol.	File	Subject	Date
35	12	Order. Lucius C. Benton, St. Thomas.	6 January 1881
	13	Order. Bishop & Shelton, Winnipeg.	28 November 1881
	14	Order. Servetus[?]/ Bispham[?], Kingston.	18 June 1881
	15	Order. J. & S. Bissette, Iberville.	3 March 1883
	16	Order. Francis Blakie, Sarnia.	13 January 1881
	17	Order. J.G. Blondin, Montreal.	14 January 1881
	18	Order. Booth & Son, Toronto.	20 January 1881
	19	Order. Boyd, Caldwell & Company, Lanark, Ontario.	14 June 1881
	20	Order. M. Brennen & Sons, Hamilton.	6 June 1881
	21	Order. Brentwood Lumber Company, Penetanguishene.	14 January 1881
	22	Order. Brentwood Lumber Company, Penetanguishene.	21 January 1881
	23	Order. C. Brewster, Montreal.	6 June 1881
	24	Order. C. Brewster, Montreal.	11 June 1881
	25	Order. Dougall Brown, Gravenhurst.	26 January 1881

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35	26	Order. G. & J. Brown, Bellville.	23 March 1882
	27	Order. Thomas Brown & Company, Ingersoll.	3 November 1881
	28	Order. George Brush [?], Montreal.	9 November 1881
	29	Order. F.H. Brydges, Winnipeg, Manitoba.	14 March 1882
	30	Order. F.H. Brydges, Winnipeg, Manitoba.	13 April 1882
	31	Order. F.H. Brydges, Winnipeg, Manitoba.	21 June 1882
	32	Order. Archie Brydon, West Gravenhurst.	10 January 1881
	33	Order. H.E. Bullock, Otterville, Ontario.	4 November 1881
	34	Order. H.E. Bullock, Otterville, Ontario.	7 November 1881
	35	Order. John W. Burgees, Guelph.	10 January 1881
	36	Order. Canada Consolidated Gold Mining Company, Marmora, Ontario.	2 June 1881
	37	Order. Canadian Locomotive & Engine Company, Kingston, Order # B/30.	16 August 1881

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35	38	Order. Canadian Locomotive & Engine Company, Kingston.	27 August 1881
	39	Order. Canadian Locomotive & Engine Company, Kingston, Order # C/115. Chucks.	8 October 1881
	40	Order. Canadian Locomotive & Engine Company, Order C/151.	28 October 1881
	41	Order. Canadian Locomotive & Engine Company, Kingston.	1 November 1881
	42	Order. Canadian Locomotive & Engine Company, Kingston, Chucks.	16 November 1881
	43	Order. Canadian Locomotive & Engine Company, Kingston, Ontario.	17 November 1881
	44	Order. Canadian Locomotive & Engine Company, Kingston, Ontario.	21 November 1881
	45	Order. Canadian Locomotive & Engine Company, Kingston.	5 April 1882
	46	Order. Canadian Locomotive & Engine Company, Kingston, Ontario.	1 December 1882
	47	Order. Canadian Pacific Railway, Montreal.	26 November 1881
	48	Order. Canadian Pacific Railway, Montreal.	5 December 1881

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35	49	Order. Canadian Pacific Railway, Montreal.	27 January 1882
	50	Order. Canadian Pacific Railway, Montreal. Band Saw.	3 February 1882
	51	Order. Canadian Pacific Railway, Montreal.	25 February 1882
	52	Order. Canadian Pacific Railway, Montreal. Planer & Matcher.	8 May 1882
	53	Order. Canadian Pacific Railway, Montreal. Drill.	17 May 1882
	54	Order. Canadian Pacific Railway, Montreal. Rip Saw.	1 September 1882
	55	Order. Canadian Pacific Railway, Montreal. Saws.	9 September 1882
	56	Order. Canadian Pacific Railway, Montreal. Punch & Shear.	5 October 1882
	57	Order. Canadian Pacific Railway, Perth, Ontario.	26 October 1882
	58	Order. Canadian Pacific Railway, Montreal. Chuck.	5 December 1882
	59	Order. Canadian Pacific Railway, Montreal. Axle Lathe, Boiler Rolls.	19 March 1883

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35	60	Order. Canadian Pacific Railway, Montreal.	22 June 1883
	61	Order. Cant, Gourlay & Company, Galt.	30 December 1882
	62	Order. Cant, Laidlaw & Company, Galt, Ontario.	4 February 1882
	63	Order. Cant, Laidlaw & Company, Dundas.	12 October 1882
	64	Order. C.C. Carlyle, Kingston.	4 November 1881
	65	Order. Carrier, Laine & Company, Levis, Quebec.	25 January 1881
	66	Order. Carrier, Laine & Company, Levis, Quebec.	20 June 1881
	67	Order. Casey & Sons, Dundas.	12 December 1882
	68	Order. E. Chanteloup, Montreal.	3 November 1881
	69	Order. Walter Chatfield, St. Catharines.	29 January 1881
	70	Order. Walter Chatfield, St. Catharines.	2 November 1881
	71	Order. Chatham Manufacturing Company, Chatham, Ontario.	26 June 1882

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35	72	Order. H.E. Clarke & Company, Toronto.	6 December 1882
	73	Order. A. Cochrane, Durham.	21 June 1881
	74	Order. James G. Cockshutt, Brantford.	24 January 1881
	75	Order. J.G. Cockshutt, Brantford.	28 January 1881
	76	Order. James G. Cockshutt, Brantford,	14 September 1882
	77	Order. Thomas G. [?] Colock, Welland.	1 June 1881
	78	Order. William Collier, Port Dover.	3 November 1881
	79	Order. William Collier, Port Dover.	19 December 1881
	80	Order. William Collier, Port Dover.	17 January 1882
	81	Order. William Collier, Port Dover.	3 April 1882
	82	Order. Collins Bay Rafting & Forwarding Company, William Lesslie, Jr.	28 March 1882
	83	Order. Connell Brothers, Woodstock.	11 June 1881
	84	Order. Connell Brothers, Woodstock, New Brunswick.	23 June 1881

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35	85	Order. Connell Brothers, Woodstock, New Brunswick.	25 February 1882
	86	Order. Connolly, Benjamin & Company, Yarker, Ontario.	3 June 1881
	87	Order. Connolly Benjamin & Company, Yarker	3 June 1881
	88	Order. Connolly, Benjamin & Company, Dominion Wheel Works. Yarker, Ontario.	21 June 1881
	89	Order. Consolidated Purifser Company, Toronto.	21 November 1881
	90	Order. W. Cooper, Dundas.	28 January 1881
	91	Order. Cooper, Fairman & Company, Montreal.	21 March 1882
	92	Order. Cooper, Fairman & Company, Montreal.	15 November 1881
	93	Order. G.H. Copping, Toronto.	2 March 1882
	94	Order. G.M. Cossitt & Brothers, Brockville, Ontario.	20 September 1882
	95	Order. E.J. Cousins, Toronto.	1 June 1881
	96	Order. F.J. Craig, Strathroy.	7 January 1881

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35	97	Order. F.J. Craig, Strathroy, Ontario.	19 November 1881
	98	Order. F.J. Craig, Sarnia.	1 December 1882
	99	Order. Creelman Brothers, Georgetown.	18 January 1881
	100	Order. Creelman Brothers, Georgetown.	28 January 1881
	101	Order. Greelman Brothcers.	29 November 1882
	102	Order. James Crossen, Cobourg, Ontario.	1 June 1881
	103	Order. James Crossen (Cobourg Car Works) Cobourg, Ontario.	16 June 1881
	104	Order. James Crossen, Cobourg, Ontario.	26 November 1881
	105	Order. James Crossen, Cobourg.	30 January 1883
	106	Order. S. Cunard & Company, Halifax.	6 February 1883
	107	Order. A. Davis, Hochelaga.	28 January 1881
	108	Order. Doherty, Barton Manufacturing Company, Sarnia.	3 January 1883
	109	Order. T. Doherty, Watford, Ontario.	22 November 1881

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35	110	Order. T. Doherty, Watford, Ontario.	14 August 1882
	111	Order. Dominion Bolt Company, Toronto.	12 January 1882
	112	Order. Dominion Bolt Company, Toronto. # 4 Drill.	15 June 1882
	113	Order. Dominion Organ & Piano Company, Bowmanville, Ontario.	13 January 1881
	114	Order. Dominion Organ & Piano Company, Bowmanville, Ontario.	20 January 1881
	115	Order. John Doty, Toronto.	3 June 1881
	116	Order. John Doty, Toronto.	14 June 1881
	117	Order. John Doty, Toronto.	4 April 1883
	118	Order. Dyble & Parry, Sarnia.	4 January 1881
	119	Order. E.B. Eddy, Hull, Quebec.	30 November 1882
	120	Order. Edson, Fitch & Company, Etchemin, Quebec.	16 August 1882
	121	Order. John Elliott & Son, London.	11 January 1881
	122	Order. John Elliott & Son, London.	28 January 1881

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35	123	Order. John Elliott & Son, London.	9 November 1881
	124	Order. Israel <u>England</u> & Sons.	14 January 1881
	125	Order. Essex, Dunn & Company, Dundas.	7 February 1882
	126	Order. Essex, Dunn & Company, London.	29 November 1882
	127	Order. Fisher & Irvine, Harriston, Ontario.	28 October 1882
	128	Order. Fleming & Errett, Chatham.	28 January 1881
	129	Order. George Fleury [?] & Sons.	13 June 1881
	130	Order. J. Fleury Estate, Aurora.	30 November 1881
	131	Order. J. Fleury Estate, Aurora.	26 August 1882
	132	Order. J. Fleury Estate, Aurora, Ontario.	14 February 1883
	133	Order. A.M. Foster.	17 March 1882
	134	Order. Alex Gartshore, Hamilton, Ontario.	1 June 1881
	135	Order. [?] Gaujot [?], Marmora, Ontario.	17 January 1881

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35	136	Order. E.E. Gilbert & Sons, Montreal.	8 January 1881
	137	Order. Gillespie, Moffatt & Company, Montreal.	22 June 1881
	138	Order. Gillespie, Moffatt & Company, Montreal.	27 June 1881
	139	Order. Gillespie, Moffatt & Company, Montreal.	12 November 1881
	140	Order. Gilmour & Company, Trenton, Ontario.	7 June 1881
	141	Order. Goldie & McCulloch, Galt.	16 June 1881
	142	Order. J.H. Gordon, Montreal.	23 June 1881
	143	Order. L. Gordon & Company, Cooksville.	28 November 1881
	144	Order. James H. Gowan [?], Hamilton.	11 June 1881
	145	Order. William Graham, Gravenhurst.	30 November 1881
	146	Order. Grand Trunk Railway, Toronto.	14 November 1881
	147	Order. Grand Trunk Railway, Toronto.	21 December 1881
	148	Order. Grand Trunk Railway, Montreal, # 4 Drills.	28 January 1882

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35	149	Order. Grand Trunk Railway, Montreal.	23 November 1882
	150	Order. Grand Trunk Railway, Montreal.	24 November 1882
	151	Order. Grand Trunk Railway, Toronto. Bolt Cutter.	28 February 1883
	152	Order. Thomas Green & Company, London, Ontario.	23 November 1881
	153	Order. Thomas Green & Company, London, Ontario.	25 November 1881
	154	Order. William & J.G. <u>Greey</u> , Toronto.	15 June 1881
	155	Order. William & J.G. <u>Greey</u> , Toronto.	25 June 1881
	156	Order. William & J.G. <u>Greey</u> , Toronto.	14 February 1883
	157	Order. William & J.G. <u>Greey</u> , Gap Lathe.	17 February 1883
	158	Order. W. & J.G. <u>Greey</u> , Toronto.	20 April 1883
	159	Order. John H. Grout & Company, Grimsby.	28 November 1881
	160	Order. E. & G. Gurney & Company, Toronto.	24 January 1881

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35	161	Order. Gurney Manufacturing Company, Dundas, Ontario.	2 March 1883
	162	Order. Gurney Manufacturing Company, Dundas, Ontario.	30 March 1883
36		McKechnie & Bertram Orders. Letters received by McKechnie & Bertram asking for machines and parts. Arranged alphabetically H - O.	
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	2	Order. Hall & Sons, Buffalo, New York.	26 January 1881
	3	Order. Hamilton Cotton Company, Hamilton.	21 October 1882
	4	Order. William Hamilton, Peterborough, Ontario.	22 September 1881
	5	Order. William Hamilton, Peterboro.	18 November 1881
	6	Order. William Hamilton, Peterboro, Ontario.	4 February 1882
	7	Order. William Hamilton, Peterboro.	9 October 1882

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36	8	Order. A. Harris, Son & Company, Brantford.	27 January 1882
	9	Order. A. Harris, Son & Company, Brantford.	28 April 1882
	10	Order. A. Harris, Son & Company, Brantford.	3 June 1882
	11	Order. A. Harris, Sons & Company, Brantford, Ontario	12 December 1882
	12	Order. A. Harris, Son & Company Limited, Brantford, Ontario. Lathes.	26 January 1883
	13	Order. O.N. Harris, Kingsville.	6 February 1883
	14	Order. Hart Emery Wheel Company, Hamilton.	28 January 1881
	15	Order. Hart Emery Wheel Company, Hamilton.	16 June 1881
	16	Order. E.H.G.G. Hay, Portage La Prairie.	12 March 1883
	17	Order. James Hay & Company, Woodstock.	21 January 1881
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36	19	Order. James Hay & Company. Woodstock.	10 November 1881
	20	Order. W. Hazelhurst, St. John, New Brunswick.	10 January 1881
	21	Order. Thomas <u>Hendry</u> , Seaforth.	30 November 1881
	22	Order. John P. <u>Hockin</u> , Providence Rhode Island.	2 June 1881
	23	Order. Holmes & Peacock, Dunnville.	17 January 1881
	24	Order. E. Hooper & Company, Toronto.	7 January 1881
	25	Order. H. & R. Hopper, Flesherton.	18 January 1881
	26	Order. H. Hopper, Flesherton.	26 January 1881
	27	Order. A. & C.J. Hope & Company, Montreal.	13 June 1881
	28	Order. William <u>Hughes</u> , Collingwood.	4 January 1882
	29	Order. Inglis & Hunter, Guelph.	4 January 1880
	30	Order. Intercolonial Railway, Moncton.	9 January 1883
	31	Order. Intercolonial Railway, Moncton. Wheel Lathe.	14 February 1883

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36	32	Order. J. & W. Jack, Decewsville [?].	13 June 1881
	33	Order. A. Jameson, Hamilton, Ontario.	8 January 1881
	34	Order. A. Jardine & Sons, Hespler, Ontario.	18 November 1882
	35	Order. Jarvis & Berridge, Winnipeg.	2 November 1881
	36	Order. Jeffrey & [Mac?], Cobourg, Ontario.	18 January 1881
	37	Order. S.B. Jenckes & Son, Sherbrooke, Quebec.	23 June 1881
	38	Order. S.B. Jenckes & Son, Sherbrooke, Quebec.	14 February 1882
	39	Order. Thomas <u>Johnston</u> , St. Thomas.	7 November 1881
	40	Order. W. Johnston, Clarksburg.	14 November 1881
	41	Order. Reverend C.A. <u>Jones</u> , Playfair, Ontario.	6 January 1881
	42	Order. R. Kimber <u>Jones</u> , Gravenhurst.	6 June 1882
	43	Order. Seneca <u>Jones</u> , Hamilton.	3 June 1881
	44	Order. James <u>Joselin</u> , Toronto.	8 January 1881

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36	45	Order. <u>Joseph</u> Brothers, Milton.	21 January 1881
	46	Order. Kalbfleisch & Schaefer, Tavistock.	24 January 1881
	47	Order. Kalbfleisch & Schaefer, Tavistock.	29 January 1881
	48	Order. Kear Brothers, Walkerville, Ontario.	26 March 1883
	49	Order. Kennedy Grant & Company, Toronto.	15 November 1881
	50	Order. R. Kilgour & Sons, Mount Forest.	11 September 1882
	51	Order. J.H. Killey & Company, Hamilton.	24 January 1881
	52	Order. J.H. Killey & Company, Hamilton.	10 November 1881
	53	Order. J.H. Killey & Company, Hamilton.	16 November 1881
	54	Order. Robert W. <u>King</u> , Georgetown.	29 November 1881
	55	Order. Kingston Car Company, Kingston, Ontario.	17 February 1882

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36	56	Order. Kingston Cotton Company Limited, Kingston.	6 June 1882
	57	Order. Kingston Cotton Company, Kingston.	1 September 1882
	58	Order. Kingston & Pembroke Railway, Kingston.	4 August 1882
	59	Order. D. Kippen, Perth.	22 November 1881
	60	Order. P. Larmonth, Ottawa.	21 June 1881
	61	Order. J. Lawson, Montreal.	29 September 1882
	62	Order. H.C. [?] L'Ecuyer, Toronto.	15 June 1881
	63	Order. E. Leonard & Sons, London.	26 January 1881
	64	Order. E. Leonard & Sons, London, Ontario.	31 January 1881
	65	Order. Leonard, E. & Sons, London.	3 June 1881
	66	Order. E. Leonard & Sons, London, Ontario.	4 June 1881
	67	Order. E. Leonard & Sons, London.	2 November 1881

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36	68	Order. E. Leonard & Sons, London, Ontario.	7 November 1881
	69	Order. E. Leonard & Sons, London, Ontario.	9 February 1882
	70	Order. Charles <u>Levy</u> , Toronto.	29 January 1881
	71	Order. C.C. Longard, Halifax, Nova Scotia.	3 June 1881
	72	Order. L. Love, Gravenhurst.	22 March 1882
	73	Order. Joseph Lowrie, Sarnia.	14 December 1882
	74	Order. McCann & Sparling, Meaford.	24 January 1881
	75	Order. McCann & Sparling, Meaford.	31 January 1881
	76	Order. William <u>McCraney</u> [?] & Son, St. Catharines.	1 May 1882
	77	Order. Macdonald & Son, Halifax.	17 January 1881
	78	Order. Macdonald & Company, Halifax.	18 January 1881
	79	Order. John B. <u>McDonald</u> , Tiverton.	12 June 1881
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36	81	Order. R. McDougall & Company, Galt, Ontario.	10 November 1881
	82	Order. R. McDougall & Company, Galt, Ontario.	18 May 1883
	83	Order. D. McEwen & Son, Kingston.	21 November 1881
	84	Order. D.M. McEwan & Son, Kingston.	23 September 1882
	85	Order. D. McEwan & Son, Kingston, Ontario.	2 December 1882
	86	Order. McIntosh & Fletcher, Brussels.	2 June 1881
	87	Order. McKechnie & McMillan, Winnipeg.	28 November 1881
	88	Order. McKechnie & McMillan, Winnipeg, Manitoba.	17 January 1881
	89	Order. McKee & Marwick, Dundas.	28 October 1882
	90	Order. C. MacKenzie & Company, Sarnia.	6 January 1881
	91	Order. F.H. McKenzie [?], Hamilton.	15 June 1881
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36	93	Order. McLachlin Brothers, Arnprior.	30 January 1882
	94	Order. James McMaster & Company, Ridgetown.	7 June 1881
	95	Order. J. McMaster & Company, Ridgetown.	10 June 1881
	96	Order. Machinery Supply Association, Montreal.	20 November 1882
	97	Order. Machinery Supply Association, Montreal.	21 November 1882
	98	Order. The Mail, Toronto.	8 January 1881
	99	Order. The Mail, Hamilton.	2 June 1881
	100	Order. W.B. Malcolm, Toronto.	25 October 1882
	101	Order. W.B. Malcolm, Dundas.	6 June 1882
	102	Order. Massey Manufacturing Company, Toronto.	13 February 1883
	103	Order. Massey Manufacturing Company, Toronto.	30 January 1883
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36	105	Order. J. Mathieson & Company, New Glasgow.	27 June 1881
	106	Order. David <u>Maxwell</u> , Paris, Ontario.	4 October 1882
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	110	Order. Midland Railway, Port Hope.	16 November 1881
	111	Order. Midland Railway of Canada, Port Hope. Chuck	14 April 1883
	112	Order. Andrew <u>Miles</u> [?], Staynor, Ontario.	21 November 1881
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	121	Order. James <u>Morrison</u> , Toronto.	11 January 1881
	122	Order. George <u>Morton</u> , Montreal.	29 November 1881
	123	Order. R.M. Mowat & Company, Trenton, Ontario.	5 November 1881
	124	Order. Muir & Waugh, Winnipeg.	8 January 1881
	125	Order. A. Mulhervn [?] & Company, Mitchell.	26 January 1881
	126	Order. D.A. Munroe, Wolfville, N.S.	21 April 1883
	127	Order. William F. Munro, Yorkville.	28 June 1881
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	134	Order. Nova Scotia Sugar Refinery, Halifax.	28 January 1881
	135	Order. B.L. Olos & Company, Montreal.	10 April 1882
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	3	Order. Paris Manufacturing Company, Paris, Ontario.	6 December 1882
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	5	Order. W.W. Park & Company, Toronto. Number 3 Lathe.	21 February 1883
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	10	Order. Paxton, Tate & Company, Port Perry, Ontario.	27 June 1881
	11	Order. Peck, Benny & Company, Montreal.	30 June 1882
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	31	Order. J. Mowat <u>Reid</u> , Moncton, New Brunswick.	21 January 1881
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	33	Order. Rice, Lewis and Son, Toronto.	27 June 1881
	34	Order. Rice, Lewis and Company, Toronto.	8 November 1881
	35	Order. Rice, Lewis and Son, Toronto.	10 November 1881
	36	Order. Rice, Lewis and Son, Toronto.	23 November 1881
	37	Order. Rice, Lewis and Son, Toronto.	29 November 1881
	38	Order. James <u>Richardson</u> & Sons, Kingston, Ontario.	15 June 1881

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	42	Order. Josiah <u>Ross</u> , Buffalo, New York	25 January 1881
	43	Order. Josiah <u>Ross</u> , Buffalo, New York.	25 January 1881
	44	Order. Josiah <u>Ross</u> , Buffalo.	28 January 1881
	45	Order. C. Russ & Company, Beamsville.	5 January 1883
	46	Order. Robert D. <u>Savage</u> , Montreal.	23 December 1880
	47	Order. Robert D. <u>Savage</u> , Ottawa.	24 January 1881
	48	Order. W.A. Sayles, Brantford.	24 March 1882
	49	Order. J. Scott & Sons, Gravenhurst.	20 November 1880
	50	Order. Frank B. Scovell, Toronto.	May 1883
	51	Order. John <u>Scully</u> , Toronto.	10 November 1881
	52	Order. Jacob Y. Shantz & Sons, Berlin, Ontario.	27 June 1881

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	57	Order. James <u>Smart Manufacturing Company</u> , Brockville.	21 June 1881
	58	Order. James <u>Smart Manufacturing Company</u> , Brockville, Ontario.	22 June 1881
	59	Order. James <u>Smart Manufacturing Company</u> , Brockville.	18 March 1882
	60	Order. James <u>Smart Manufacturing Company</u> , Brockville.	24 March 1882
	61	Order. James <u>Smart Manufacturing Company</u> , Brockville, Ontario.	14 June 1882
	62	Order. Smart & Shepherd, Brockville.	11 June 1881
	63	Order. Smart & Shepherd, Brockville, Ontario.	13 June 1881

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	65	Order. Smart & Shepherd, Brockville, Ontario.	7 July 1882
	66	Order. John B. <u>Smith</u> , Toronto.	28 November 1881
	67	Order. J.B. Smith, Toronto.	13 March 1883
	68	Order. J. Snider, Springvale, Ontario.	19 March 1883
	69	Order. Speight Manufacturing, Markham, Ontario.	7 November 1882
	70	Order. Steinhoff & Weston, Glencoe.	28 January 1880
	71	Order. Steinhoff & Weston, Glencoe.	31 January 1881
	72	Order. Stevens, Turner, & Burns, Toronto.	31 January 1881
	73	Order. Stevens, Turner, Burns, London, Ontario.	1 February 1883
	74	Order. James <u>Stewart</u> , Beeton.	14 November 1881
	75	Order. James <u>Stewart</u> , Beeton.	18 November 1881
	76	Order. Stubbs & Schwjdlu [?], Brantford.	17 March 1882

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	78	Order. J. & J. Taylor.	12 April 1883
	79	Order. J. & J. Taylor, Toronto.	8 June 1883
	80	Order. W. Terimble [?], Streetsville.	6 June 1881
	81	Order. R.W. Thompson.	24 August 1882
	82	Order. Thompson & Williams Manufacturing, Stratford.	6 June 1881
	83	Order. Thompson & Williams Manufacturing Company, Stratford.	5 November 1881
	84	Order. Thompson & Williams Manufacturing, Stratford.	9 June 1881
	85	Order. Tillson, E.D., Tilsonburg.	22 November 1881
	86	Order. Toronto Bridge Company, Toronto.	27 January 1881
	87	Order. Toronto Bridge Company, Toronto.	7 November 1881
	88	Order. Toronto Bridge Company, Toronto.	28 December 1881
	89	Order. Toronto Bridge Company, Philadelphia, Pennsylvania. Planer.	3 January 1883

Vol.	File	Subject	Date
37	90	Order. Toronto Bridge Company, End Planer.	12 January 1883
	91	Order. Toronto, Grey, & Bruce Railway, Toronto.	16 November 1881
	92	Order. Toronto Reaper Manufacturing Company.	28 January 1881
	93	Order. Thomas B. <u>Townsend</u> , Hamilton.	22 January 1881
	94	Order. A. Trerice, Dresden, Ontario.	29 November 1881
	95	Order. Achille <u>Valots</u> , Montreal.	3 April 1882
	96	Order. R.J. Walker, Stayner.	17 November 1881
	97	Order. Lorenzo <u>Walley</u> , Wolfville, N.S.	18 January 1883
	98	Order. Joseph S. <u>Wallis</u> , Port Carling.	29 January 1881
	99	Order. R.M. Wanzer & Company, Hamilton, Canada.	7 June 1881
	100	Order. E.W. Ware, Hamilton.	19 January 1881
	101	Order. Waterous Engine Company, Brantford.	4 January 1881
	102	Order. Waterous Engine Works Company, Brantford.	5 December 1882

Vol.	File	Subject	Date
37	103	Order. Waterous Engine Works Company, Brantford, Ontario.	13 December 1882
	104	Order. Waterous Engine Works Company, Brantford, Ontario, Lathes.	14 December 1882
	105	Order. John <u>Watt</u> , Aylmer.	2 June 1881
	106	Order. George <u>Weaver</u> , Jerseyville.	20 September 1882
	107	Order. Welland Vale Manufacturing Company, St. Catharines, Ontario.	8 July 1882
	108	Order. West & Peachey, Dundas.	17 May 1882
	109	Order. Westman & Baker, Toronto.	21 January 1881
	110	Order. Westman & Baker, Toronto.	23 June 1881
	111	Order. Westman & Baker, Toronto.	7 November 1881
	112	Order. Westman & Baker, Toronto.	18 November 1881
	113	Order. Westman & Baker, Toronto.	26 September 1882
	114	Order. Whelan & Black, Wroxeter.	6 January 1881
	115	Order. Whelan & Black Company, Wroxeter.	24 January 1881

Vol.	File	Subject	Date
37	116	Order. Whelan, Black, & Sibley Wroxeter.	10 November 1881
	117	Order. Whitman & Barnes Manufacturing, St. Catharines.	16 November 1881
	118	Order. Whitman & Barnes Manufacturing Company, St. Catharines.	18 November 1881
	119	Order. Whitman & Barnes Manufacturing Company, St. Catharines, Ontario.	24 April 1882
	120	Order. Joseph <u>Wiggins</u> , Port Dover.	25 February 1882
	121	Order. G. Wilkinson & Co. (Aurora Plow Works), Aurora, Ontario.	16 June 1881
	122	Order. G. Wilkinson & Company, Aurora, Ontario.	20 June 1881
	123	Order. G. Wilkinson & Company, Toronto.	23 June 1881
	124	Order. G. Wilkinson & Company, Aurora, Ontario.	27 June 1881
	125	Order. J.C. Wilson & Company.	15 February 1882
	126	Order. J.C. Wilson & Company, Picton, Ontario.	30 June 1882
	127	Order. J.O. Wisner, Son & Company, Brantford, Ontario.	9 August 1882

Vol.	File	Subject	Date
37	128	Order. Thomas <u>Worswick</u> , Guelph, Ontario.	24 January 1881
	129	Order. A. Wren & Company, Forest.	27 January 1881
	130	Order. W. & E.L. Yates, London.	10 January 1881
	131	Order. W. & E.L. Yates, London.	13 January 1881
	132	Order. Andrew <u>Young</u> , Montreal.	21 January 1881
	133	Order. Young Brothers, Almonte, Ontario.	24 October 1882
38		Alphabetical index to volumes 39, 40.	
39		McKechnie & Bertram. <u>Receipt Book</u> Receipts received by McKechnie & Bertram from suppliers and customers after their bills were paid. Indexed by name of company. Book has been disbound, pages 1-100 in volume 39.	1874-1885
40		Continuation of volume 39, pages 101-163.	

Vol.	File	Subject	Date
41		John Bertram & Sons. <u>Invoice and Receipt Book</u> . Pasted in Invoices and receipts received by the Company from suppliers. Indexed by name of supplier at beginning of book. 202 pages	1887-1890
42		Alphabetical Index to volume 43	
43		John Bertram & Sons. <u>Invoice and Receipt Book</u> . Pasted in invoices and receipts received by the company from suppliers and customers. 302 pages	1891-1895
44		John Bertram & Sons. <u>Credit Report Book</u> . Financial Assessments evaluation by credit agencies of Bertram equipment. Evaluations provide a basic history of company, people involved, credit position and probable future. Alphabetical Index at beginning. Disbound. Pages 1-112.	1890-1917

Vol.	File	Subject	Date
45		John Bertram & Sons Co. Ltd. <u>General Order Book</u> . Binder containing a copy of <u>shipping order</u> . Contains name and addresses of customer, shipping destination, route, general order number, invoice number, serial number and quotation number. Also a description of the machine tools - equipment - accessories sent and price. Arranged by general order number. Modifications to orders stapled, clipped or pasted to the original order.	May 1918 - September 1935
		Date	9 May 1918 18 September 1935
		General Order No.	51000 52599
		Invoice Number	25176 54720
46		The same material as Volume 45 for period 1935-1941.	1935-1941
		Date	25 September 1935 25 March 1941
		General Order No.	52600 54099
		Invoice Number	46173 61320
47		The same material as Volume 45 for the period 1941-1946.	1941-1946
		Date	18 March 1941 7 October 1946
		General Order No.	54100 55799
		Invoice Number	60751 77875

Vol.	File	Subject	Date
47 (cont'd)		Handwritten modifications to orders. Apparently includes building expansion at Bertrams.	n.d.
48		John Bertram & Sons Co. Ltd. <u>Charge Sheets</u> . Binder containing details of material, machines, plant equipment and plant expansion buildings delivered to or bought by John Bertram and paid for by Department of Munitions and Supply, Ottawa. Contains date, order number, material purchased, price, freight etc.	September 1940 - December 1940
		Date	30 Sept. 1940 31 Dec. 1940
		Order Number	53369 53850
		John Bertram & Sons Co. Ltd. <u>Charge Sheets</u> . A binder containing date, name of customer, machinery sold with accessories, price, invoice and order numbers. Also includes custom machining for P & W, Cameron. Monthly totals of equipment sold.	December 1946 - July 1947
		Date	8 Dec. 1946 18 July 1947
		Invoice No.	77490 79277
		Order No.	86905 89163

Vol.	File	Subject	Date
49		John Bertram & Sons Co. Ltd. Invoices. Binder containing copies of invoices regarding machine tools, accesories etc. that were sold to customers. Contains date, customer's address, customer's and Bertram's invoice number, and order number. Description of machinery etc. and price. Also includes scrap sold, custom work and castings.	June 1952 - February 1953
		Date	4 June 1952 24 February 1953
		Order No.	21620 56713
		Invoice No.	92238 93548
		A second binder similar to the above containing:	March 1953 - April 1954
		Date	24 March 1953 20 April 1954
		Order No.	P-56682 BB-23885
		Invoice No.	93550 95258
		Much of this work is machining, repairs, supplying parts, cutting etc.	
		Adding machine tape gives income from invoices.	
		One folder containing incomplete price list 1929-1937 removed from 1952-53 order book above.	1929-1937, 1952-1953

Vol.	File	Subject	Date
50		<p>John Bertram & Sons Co. Ltd. <u>Transfer General Ledger</u> 1905 to 1924. <u>General account book</u> showing both estimated and actual costs of many J. Bertram sections; machine shop, iron and brass foundry, artillery shells (W.W. I), plant additions raw materials, taxes, labor and supplies. Divided between manufacturing and general accounts. Also deals with selling expenses of branches, war bonds, relationship with Niles - Bemeny-Pond Co.</p> <p>- Includes Pratt & Whitney expenses as above.</p>	1905-1924
51		<p>John Bertram & Sons Co. Ltd. <u>Journal No. 3, Journal Entries</u>. List of income and expenditures. Includes expenses, accounts receiveable, accounts payable, depreciation of buildings and machines, investment income and raw materials. Arranged monthly December 1937 to October 1941. 346 pages used.</p> <p>John Bertram & Sons Co. Ltd. <u>General Ledger</u>. 1945-1962. <u>General accounts of various funds</u>: bank balance of pension fund, investment dividends. 2nd part Cash received/cash paid out. Interest from investments, money paid out, pension cheques, purchase of bonds etc.</p>	December 1937 - October 1941 1945-1962

Vol.	File	Subject	Date
52		<u>John Bertram & Sons Co. Ltd. Manufacturing and General Accounts Ledger A 1952-58. Accounts 1 to 9699.</u>	1952-1958
		Approximately 300 different accounts covering every subject: travelling expenses and petty cash (1952-58), work-in-progress, labor, raw material for foundry, machine shop, Pratt & Whitney. Materials purchased for resale, office stock, land and buildings, depreciation, insurance, sales etc.	1952-1958
		Shows date, credit and debit amounts, balance, notes to other account books, bank accounts and various accounts receiveable.	n.d.
		Papers in back: sales tax permits etc.	n.d.
53		<u>John Bertram & Sons Co. Ltd. Payroll 1953-1954. Binder covers both Bertram and Pratt & Whitney.</u>	1953-1954
		Payroll is arranged alphabetically by employee within a department. Gives personal details of employee, birth date, marital status, date employed. Pay rate per week, bi-weekly pay, unemployment insurance/income tax paid. Also covers sales employees in Toronto, Montreal and Winnipeg. Year end payroll totals. Total unemployment insurance/income tax deducted per week. Compiled separately for Bertram and Pratt & Whitney.	n.d.
		Filed separately: List of codes for Statutory Holiday and annual vacation for various departments.	n.d.

Vol.	File	Subject	Date
53 (cont'd)		John Bertram & Sons Co. Ltd. <u>Private Payroll</u> 1955 to 1956. Binder containing payroll details for both Bertram and Pratt & Whitney. Arranged the same as above.	1955-1956
		Covers Montreal, Toronto sales staff. Weekly and year-end tables of wages, unemployment insurance, income tax paid.	n.d.
54		John Bertram & Sons Co. Ltd. Cheque Register. April 1937 to April 1945. 442 pages used. Gives date, cheque number, voucher, payable to whom, amount. Totals for each page and monthly totals.	1937-1945
55		John Bertram & Sons. Cheque Register. List of cheques issued, arranged by serial number and date. Some annotations: "Draft, cancelled, N.Y. cheque." February 1937 to May 1941. 206 pages. Serial numbers: 58696 to 76550.	February 1937 - May 1941
		John Bertram & Sons Co. Ltd. <u>Petty Cash Fund</u> . November 1905 to May 1937. P.H. Davidson Cashier. 398 pages. Monthly account of people who were issued funds and their purpose. Covers stamps, shipping charges, travelling expenses, custom charges etc. Monthly total charged to manufacturing or to general accounts. Later on covered by a single voucher. Stamped number.	November 1905 - May 1937

Vol.	File	Subject	Date
55 (cont'd)		John Bertram & Sons Co. Ltd. Petty Cash. May 1937 to December 1955. 375 pages used. List of people who were issued funds and their purpose. Covers travelling, exchange, duty, postage, inspection charges. Totaled irregularly (2 weeks to 2 months) covered by vouchers. Charges laid against individual account numbers. Covers Pratt & Whitney expenses 1940 to 1954.	May 1937 - December 1955
		2 files of loose material removed from Petty Cash Books.	n.d.
56	1	John Bertram & Sons Co. Ltd. Price List 1909-1910. Binder containing specifications, capacities and sizes of Bertram machine tools. Also has prices for machines and accessories.	1909-1910
	2	John Bertram & Sons Co. Ltd. Price List 1917-1919. Binder containing specifications, capacities and sizes of Bertram machines along with prices.	1917-1919
	3	John Bertram & Sons Co. Ltd. Price List 1925-1931. Binder containing specifications, capacities and sizes of Bertram machines along with prices.	1925-1931

Vol.	File	Subject	Date
56 (cont'd)	4	John Bertram & Sons Co. Ltd. Price List for non-Bertram Machines 1929-1951. Binder containing specifications, technical data, capacities and prices for machines tools, which Bertram is an agent. e.g. Erie Presses, Jones & Lamson, Property of AER Turner.	1929-1951
	5	John Bertram & Sons Co. Ltd. Price List and inspection sheets. 1948-1965. Binder containing technical data and prices for Bertram machine tools. Also has inspection sheets for the repair and rebuilding of machine tools (1965-1966).	1948-1965, 1965-1966
	6	John Bertram & Sons Co. Ltd. <u>Net Price Schedule 1960</u> . Price List for catalogue No. 19. Seperate price lists for Reamers, cutters and end mills, taps and dies and miscellaneous tools.	1960
	7	John Bertram & Sons Co. Ltd. <u>Used & New Machine Tools</u> . January 1938. Binder containing photographs and descriptions of Bertram and non-Bertram machines (new and used) that were being sold at reduced prices. Property of E.M. Henderson?	January 1938
	8	John Bertram & Sons Co. Ltd. <u>Used & New Machine Tools, 1930-1953</u> . Price Lists of surplus and obsolete equipment Bertram wanted to sell at reduced prices.	1930-1953

Vol.	File	Subject	Date
56 (cont'd)	9	John Bertram & Sons Co. Ltd. <u>Used Machinery List II, 1962-1965.</u> Used Bertram and non Bertram equipment that was to be sold off at reduced prices. Also includes price list.	1962-1965
57		John Bertram & Sons Co. Ltd. <u>Application for Foreign Exchange.</u> September 1939 to November 1951. Forms asking permission from the Foreign Exchange Control Board for foreign exchange to pay bills for equipment. (U.S.A.)	September 1939 - November 1951
58	1	John Bertram & Sons Co. Ltd. <u>Debit Memorandum Book.</u> March 1952 to April 1953. Binder containing notices sent to companies notifying them of charges laid against them: generally freight, exchange and appraisal charges. Internal memorandum to accounting department. Many notices sent to Department of Defense Production. Many paper bills etc. have been bound in.	March 1952 - April 1953
	2	John Bertram & Sons. <u>Contract Book.</u> 1943 to February 1947. Copies of shipping invoices of machine tools, accessories, spare parts motors etc. sent to the U.S.S.R. during W.W. II and after.	1943 - February 1947

Vol.	File	Subject	Date
58 (cont'd)	2	- bills of lading - contractor's bill of lading and inspection.	1943 - February 1947
	3	U.S.S.R. sales 1943-1945. Various articles, correspondence about doing business with the U.S.S.R.	1943-1945
		includes 1) "Russia As A Post-War Maker" International Post-War Service Suppliment. Vol. II No. 8 (August 1944)	August 1944
		2) E.C. Ropes "Doing Business with Russia" U.S. Department of Commerce International Reference Service. Vol 2 No. 8 (June 1945).	June 1945
59	1	John Bertram & Sons. Machines Sold. arranged by model number. Binder covering models M-17 to M-450. It gives machine name, and details of machine; arranged under headings of countershaft, motor, size of table etc. Sometimes modifications to standard machines are mentioned.	n.d. [ca. 1903]
	2	John Bertram & Sons Co. Ltd. Machines sold by model number ca. 1940-1951. Loose leaf sheets arranged by model M-9 to M-499 giving machine and S.O. numbers, a description of the machine and sometimes the customer. Some-	1940-1951

Vol.	File	Subject	Date
59 (cont'd)	2	times accessories are listed. Format varies.	
	3	John Bertram & Sons Co. Ltd. Machines sold by model number. Binder covering models M-30 to M-541. Gives S.O. and serial numbers, details of machine, size, motor, attachments. Unknown letters added. (Salesmens' initials?) For larger machines, name of customer is given. Typed lists are sometimes annotated by hand. Accessories for larger machines listed seperately. Section at end for custom built machinery, miscellaneous jobs. Several export orders and some cancelled.	n.d. [1940-1948?] n.d. n.d.
	4	John Bertram & Sons Co. Ltd. <u>Power Wheel Orders 1966</u> . Spiral bound note book. Containing orders for power wheels, giving order number, Customer, location and date.	1966
	5	John Bertram & Sons Co. Ltd. <u>Older Stock Orders, Order Department M-8 to M-101, 1906-1943.</u> Loose leaf binder arranged by model number containing parts for machine tool has dated part into stock, number of items, description, order number, machine used on, and serial number.	1906-1943 n.d.

Vol.	File	Subject	Date
59 (cont'd)	6	John Bertram & Sons Co. Ltd. <u>New Stock Orders: Order Department.</u> 1920-1953. Loose leaf binder containing parts for machine tools arranged by model number manufactured, date, order number, serial number of machine used on.	1920-1953
		- contains section, "Russian Orders (Salvage). at February 1, 1950".	1950
60	1	John Bertram & Sons. <u>Traveller's Note Book, 1887.</u> Note book kept by a travelling salesman, recording the foundry, machine and wood working shops places he visited to see if there were any orders. Covers Ontario, Québec and the Maritimes.	1887
	2	John Bertram & Sons. <u>Traveller's Note Book, 1889-90.</u> Note book kept by a travelling Bertram Salesman. Records his trips through Ontario, Québec, and the Maritimes.	1889-1890
	3	John Bertram & Sons. <u>Traveller's Note Book, 1891-1893.</u> Note book kept by a travelling salesman. Trips through Ontario, Québec, Vermont and New York.	1891-1893
	4	John Bertram & Sons Co. Ltd. Sales reports - Dundas, 1938-1939, 1947-1955. Reports made to the headoffice regarding visits made to large customers. Also visits to Niles Tool Works and Cincinatti Grinders to check on the newest developments. 1938-1939 reports cover trip made	1938-1939, 1947-1955

Vol.	File	Subject	Date
60 (cont'd)	4	by H.G. Bertram to Britain. Contains good technical information.	1938-1939, 1947-1955
	5	John Bertram & Sons Co. Ltd. Sales Reports - Hamilton, 1950-1951. Reports by salesman on visits to customers and companies for whom Bertram acted as an agent esp. Jones & Lamson. Good technical information.	1950-1951
	6	John Bertram & Sons Co. Ltd. Sales Reports - Montreal, 1931-1950. Reports chiefly by A. Martin on Sales trips to the Ottawa valley, Quebec and the Maritimes. (Annual trip to the Maritimes).	1931-1950
	7	John Bertram & Sons Co. Ltd. Sales Reports - Toronto, 1932-1939. Reports of sales trips through Northern and Central Ontario.	1932-1939
	8	John Bertram & Sons Co. Ltd. Sales Reports - Winnipeg, 1937-1951. Reports of sales trips to the Prairies & North-western Ontario.	1937-1951
	9	Sales letter round table, 1965-1966. Samples of sales letters to be used in different situations.	1965-1966
	10	John Bertram & Sons Co. Ltd. Sales Department. Application for Employment. Letters received by Bertrams for a position on the sales staff and Bertram's internal correspondence about them.	1940-1951

Vol.	File	Subject	Date
60 (cont'd)	11	Similar to above file.	1940-1950
61		SPECIFICATIONS	
	1	John Bertram & Sons, list of machine model numbers and names.	1887,1896
	2	John Bertram & Sons, list of machine numbers.	1942, 1944, 1950
		WRITTEN SPECIFICATIONS FOR PARTICULAR MACHINES,	1885-1890's
	3	Link Borer, no machine number,	1888
	4	Key Seat Milling Machine, no machine number,	1892
	5	M-9 double milling machine,	1885
	6	M-11 36" x 36" switch and frog planer,	c. 1890
	7	M-23 48" x 14' heavy 36" planer,	1890
	8	M-25 60" x 60' heavy 36" planer,	1891

Vol.	File	Subject	Date
61 (cont'd)	9	M-26 72" x 20' heavy 72" planer,	c. 1891
	10	M-27 84" x 20' heavy 72" planer,	1891
	11	M-46 Frame Slotting machine,	c. 1890's
	12	M-49 14" Engine Lathe,	1891
	13	M-50 Engine Lathe,	c. 1890's
	14	M-51 16" Engine Lathe,	1891
	15	M-53 20" Engine Lathe,	1891
	16	M-68 8' Face Lathe,	c. 1890
	17	M-67 Lathe for Chilled Rolls,	c. 1890
	18	M-101 Craven Drill,	c. 1890
	19	M-104 8' Horizontal Boring Machine,	1890
	20	M-106 No. 1 Cylinder and Boring Machine,	c. 1890
	21	M-108 Chord Boring Machine,	c. 1890's
	22	M-114 8' Boring Mill,	c. 1890

Vol.	File	Subject	Date
62 (cont'd)	13	M-375, Double Axle Lathe, Order No. 957.	n.d.
	14	2½" Single Long Bed Bolt Cutter, Class A, Order No. 960.	4 February 1902
	15	M-147, Car Wheel Press, Order No. 961.	4 February 1902
	16	M-272, No. 2 Double Punch & Shear, Order No. 963.	4 February 1902
	17	No. 6-½ Bulldozer, Order No. 964.	28 January 1902
	18	M-161, Bar Shear, Order No. 965.	28 January 1902
	19	M-33, Rotary Planer, Order No. 966.	28 January 1902
	20	M-274, No. A Double Punch & Shear, Order No. 967.	28 January 1902
	21	No. B Single Punch, Order No. 968.	28 January 1902
	22	M-163, Double Angle Shear, Order No. 969.	28 January 1902
	23	M-86, 45" Drilling Machine, Order No. 970.	28 January 1902
	24	M-279, Horizontal Punch, Order No. 971.	21 January 1902

Vol.	File	Subject	Date
61 (cont'd)	23	M-125 5" Cutting off machine,	c. 1890
	24	M-137 2000 lbs. Steam Hammer,	1891
	25	M-161 Bar Shearing Machine,	1891
	26	M-195 Roll Corrugating Machine,	1890
	27	M-223 20" Wood Lathe,	c. 1890's
	28	M-225 No. 1 Plan'g Match'g Machine,	c. 1890's
	29	M-251 Car Morticing Machine,	c. 1890's
	30	M-257 Dimension Planer,	c. 1890's
	31	M-279 No. 2 Horizontal Punch,	c. 1890
	32	M-290 No. 2 Alligator Shear,	1891
62		Canada Tool Works. Machine Specifications. Disbound description of machine tool models giving technical specifications such as size, capacity, weight. Arranged by model number (M-662 - 1097) general dates: September 1900 to 1902. Also gives the specification number.	September 1900 - 1902
		Disbound from Drawing Office Order Book.	n.s.

Vol.	File	Subject	Date
62 (cont'd)	1	M-379, 14" Slotting Machine, Order No. 662.	6 September 1900
	2	M-115, Craven Wheel & Tire Lathe, Order No. 718.	n.d.
	3	M-382, Quaterning Machine, Order No. 714.	n.d.
	4	M-86, 45" Drilling Machine, Order No. 719	n.d.
	5	M-74, One Face Lathe, Order No. 726.	n.d.
	6	18" Slotting Machine, Order No. 727.	n.d.
	7	36" New Pattern Engine Lathe, Order No. 763.	n.d.
	8	M-530, 24" Perforating Press, Order No. 877.	n.d.
	9	M-104, Horizontal Boring Machine, Order No. 935.	n.d.
	10	10-18 foot Extension Boring & Turning Mill, Order No. 941.	n.d.
	11	M-279, Horizontal Punch, Order No. 951.	n.d.
	12	M-275, Double Punch & Shear, Order No. 956.	27 December 1901

Vol.	File	Subject	Date
62 (cont'd)	25	Custom Built Machinery, Order No. 975.	19 February 1902
	26	M-377, 72" Turning & Boring Mill, Order No. 976.	3 December 1901
	27	Double Angle Punch, Order No. 996.	n.d.
	28	M-53A, Turret Engine Lathe, Order No. 999.	n.d.
	29	M-23, Planning Machine, Order No. 1001.	17 February 1902
	30	37", Boring & Turning Mill, Order No. 1003.	n.d.
	31	Special Turret Lathe, Order No. 1009.	11 March 1902
	32	M-96, 45" Drilling Machine, Order No. 1010.	n.d.
	33	M-4, Plain Milling Machine, Order No. 1011.	19 March 1902
	34	M-25, Planing Machine, Order No. 1012.	
	35	M-34, Rotary Planer, Order No. 1018.	27 March 1902
	36	Custom Built Rotary Planer, Order No. 1018 -.	May 1902

Vol.	File	Subject	Date
62 (cont'd)	37	Iron Planing Machine, Order No. 1028.	n.d.
	38	3 Headed Loco. Framg Slotting Machine, Order No. 1029	n.d.
	39	M-101, 36" Craven Drill, Order No. 1030.	n.d.
	40	M-57, 36" Engine Lathe, Order No. 1039.	n.d.
	41	M-3, 17" Universal Milling Machine, Order No. 1040.	n.d.
	42	Heavy Slab Milling Machine, Order No. 1041.	n.d.
	43	16" Crank Shaping Machine, Order No. 1042.	n.d.
	44	M-4, Plain Milling Machine, Order No. 1043.	n.d.
	45	5' Plain Radial Drill, Order No. 1044.	n.d.
	46	No. B Double Punch or Shear, Order No. 1055	22 May 1902
	47	Double Geared Plate Shear (Altered), Order No. 1056.	24 April 1902

Vol.	File	Subject	Date
62 (cont'd)	48	48" Planing Machine (Altered), Order No. 1058.	27 May 1902
	49	5' Plain Radial Drill, Order No. 1060.	31 May 1902
	50	M-36? Plain Milling, Order No. 1061.	31 May 1902
	51	60" Boring & Turning, Order No. 1072.	28 May 1902
	52	50" Engine Lathe, Order No. 1084.	29 May 1902
	53	M-175, Power Bending Rolls No. 3, Order No. 1096.	15 April 1902
	54	M-23, Planing Machine, Order No. 1097.	
	55	John Bertram & Sons Co. Ltd. Specifica- tions and Foreign Prices. A book contain- ing descriptions and specifications of Bertram Machines. Sometimes prices are given. Also code words for ordering a particular machine. References to Photographs in a separate album.	1905
	56	John Bertram & Sons Co. Ltd. Specifica- tions for Bertram Machines. A binder containing a wide variety of data on Bertram products sizes, weight and cost of machine components, capacity and dimensions. List of users of Bertram machines, time studies of particular machining operations. Also has "List of Machine Numbers" April 1917 (filed under N). Loose alphabetical arrangement.	1910-1920

Vol.	File	Subject	Date
62. (cont'd)	56	- sometimes annotated with updated information.	1910-1920-
	57	John Bertram & Sons Co. Ltd. Specifications for Bertram Machines. Indexed by model number (on front page). Contains size, capacity and other technical data on Bertram machines.	1914-1921
	58	John Bertram & Sons Co. Ltd. Specifications for Gears. Book containing specifications for gears used on Bertram machines. Gives diameter rim and face dimensions and also pattern and drawing number. A separate list in front giving a (stock?) number.	ca. 1912-1920
63	1	John Bertram & Sons Co. Ltd. Specifications for Bertam Machines. Binder containing dimensions, description and specifications for large machine tools, mainly for railroads. Indexed at the front arranged by type of machine.	1925-1931
	2	John Bertram & Sons Co. Ltd. Paint Finish Specifications. 1950 list of machines and color they are to be painted. Instructions on how machines are to be painted.	1950+1955
	3	John Bertram & Sons. Construction, Casting and forging details for Bertram machines. Sheets containing blue print numbers for manufacturing parts for each machine tool model. Arranged by model number (M-17 to M-577). Also contains model variations e.g. M-23 A to D.	n.d.

Vol.	File	Subject	Date
63 (cont'd)	4	John Bertram & Sons. Construction, casting and forging details. Sheets containing blueprint numbers for casting and forging required for machine tools. Arranged by Model number and put in 2 files. Vol. 1 M-1 - M-198 Vol. 2 M-201- M-560.	n.d.
	5	same as 4	
	6	John Bertram & Sons. <u>Castings and Forgings</u> . An account book listing parts required for each machine tool. Arranged by machine. 296 pages. Index information given varies: pages 2-78 gives drawing number for each part, and its weight. p. 78 gives piece number and its weight, total weight of machine. Sometimes arranged under headings of forging and castings. Sometimes the type of metal to be used for a specific part is noted. Cost of materials for a Bolt Cutter p. 15. Index on inside back cover is arranged by machine tool name and gives page number.	n.d. n.d.
MATERIAL REMOVED: from item 63.6.			
	7	Dimensions, machine no. and part no. for various brass bushes.	n.d.
	8	List of suppliers for various machine parts.	n.d.

Vol.	File	Subject	Date
63 (cont'd)	9	List of Vee Thread Taps plus two other loose papers.	1919
64	1	<p>John Bertram & Sons. Specifications Letter Book. (First series). Bound book with copies of letters sent to prospective customers giving specifications for machine tools and other items desired by customer. Indexed by machine name and customer. 1008 pages.</p> <p>Includes: Paper machinery (January 1898) complete cyclinder paper machines set-up.</p> <p>General specifications for machines.</p> <p>Accounts with various firms.</p> <p>Shipping list with numbers of boxes and parts sent.</p> <p>Foreign Orders - Italy, Russia, Holland, England.</p> <p>Price list for overseas sales. page 488.</p> <p>Individual specifications (No prices) and generalized ones for companies with large machinery requirements.</p> <p>Price list for engine lathes. March 1900 page 1000.</p>	January 1898 - July 1900

Vol.	File	Subject	Date
64 (cont'd)	2	Similar to 64.1. Contains only specifications. Copy of specifications letter contains name of potential customer, address, machine model number and technical data. Alphabetical index at beginning of book, arranged by machine name and customer. July 1900 - July 1901 1002 pages Specification Numbers: 707 - 1455. Details of foreign shipments to England, Russia, Italy at back.	
	3	Similar to July 1901 - September 1902. 982 pages Specifications: 1464 - 2309. Indexed, specifications for foreign shipments at back.	
	4	Letterhead removed from 64.3.	
65		SPECIFICATION LETTER BOOKS	
	1	September 1902 - June 1908 947 pages. Specification #: 2311 - 3098 Specifications for foreign shipments include, net - gross weight, number of cubic feet.	

Vol.	File	Subject	Date
65 (cont'd)		SPECIFICATIONS BOOKS, SECOND SERIES	
1 (cont'd)		<p>John Bertram & Sons Co. Ltd. Specifications Book. (Second Series) A bound book containing a form letter sent to prospective customers giving customer's name and address, proposed date of shipment and financial terms. Second page of letter is a technical description of the machine tool desired by customer giving price, weight and proposed shipping destination. Letters are carbon copies, some of which are very faint. Order number marked at top. Unknown blue and red numbers marked.</p> <p>Alphabetical index at beginning of volume by machine name and customer.</p>	
2		<p>Letterbook C 1</p> <p>April 1908 - September 1908 1005 pages.</p> <p>Specifications: 15 - 477</p>	
3		<p>Letterbook C 2</p> <p>September 1908 - June 1909 993 pages.</p> <p>Specifications: 479 - 1088</p> <p>Has orders from machine tool dealers, Canadian Fairbanks, Acme Machines.</p>	

Vol.	File	Subject	Date
66	1	Letterbook C 3 June 1909 - February 1910, 990 pages Specifications: 1090 - 1730 Orders forwarded to Niles Cranes, Philadelphia.	
	2	Letterbook C 4 February 1910 - July 1910, 998 pages Specifications: 1737 - 2471 Copy of letters to Acme and Niles.	
	3	Letterbook C 5 July 1910 - February 1911, 988 pages Specifications: 2473 - 3071	
67	1	Letterbook C 6 February 1911 - August 1911, 982 pages Specifications: 3072 - 3678	
	2	Letterbook C 7 August 1911 - November 1912, 993 pages Specifications: 3679 - 4240	

Vol.	File	Subject	Date
67 (cont'd)	3	Letterbook C 8 March 1912 - July 1912, 987 pages Specifications: 4254 - 4861	
68	1	Letterbook C 9 July 1912 - December 1912, 985 pages Specifications: 4862 - 5482	
	2	Letterbook C 10 December 1912 - May 1913, 1001 pages Specifications: 5486 - 6104	
	3	Letterbook C 11 May 1913 - November 1913, 997 pages Specifications: 6109 - 6631	
69	1	Letterbook C 12 November 1913 - March 1914, 991 pages Specifications: 6500 - 7090 Becoming more like tenders. Typed letters containing a detailed description of machine specifications and functions. Submitted with cost of machines and alternatives.	

Vol.	File	Subject	Date
69 (cont'd)	2	Letterbook C 13 March 1914 - October 1914, 978 pages Specifications: 7091 - 7621 War orders from September 1914.	
	3	Letterbook C 14 October 1914 - January 1915, 985 pages Specifications: 7609 - 8148 Equipment for shell plants pages 600-12.	
70	1	Letterbook C 15 January 1915 - May 1915, 990 pages Specifications: 8149 - 8534 Many short letters to customer quoting prices only on machines and parts.	
	2	Letterbook C 16 May 1915 - September 1915, 989 pages Specifications: 8523 - 8936 Short letters now include second hand machine prices.	

Vol.	File	Subject	Date
70 (cont'd)	3	Letterbook C 17 September 1915 - February 1916, 984 pages Specifications: 8930 - 9389	
	4	Letterhead removed from books C 14 and C 16.	
71	1	Letterbook C 18 January 1916 - July 1916, 992 pages Specifications: 9390 - 9879	
	2	Letterbook C 19 July 1916 - June 1917, 993 pages Specifications: 9880 - 11304 Few orders for specialized shell machinery; more general machine tools.	
	3	Letterbook C 20 January 1917 - May 1917, 990 pages Specifications: 11305 - 11823	

Vol.	File	Subject	Date
72	1	Letterbook C 21 May 1917 - October 1917, 992 pages Specifications: 11927 - 12292 Orders from Niles-Bement-Pond for U.S., Japanese and Spanish customers.	
	2	Letterbook C 22 October 1917 - April 1918, 997 pages Specifications: 12293 - 13494 Includes ship building orders.	
	3	Letterbook C 23 April 1918 - December 1918, 1002 pages Specifications: 13495 - 13981 Multi-page submissions for very large machines.	
73	1	Letterbook C 24 December 1918 - April 1919, 996 pages Specifications: 13981 - 14413 Many U.S. and foreign orders through Niles- Bement-Pond especially to Europe.	

Vol.	File	Subject	Date
73	2	Letterbook C 25 April 1919 - July 1919, 999 pages Specifications: 14414 - 14839	
	3	Letterbook C 26 July 1919 - October 1919, 996 pages Specifications: 14840 - 16160	
74	1	Letterbook C 27 October 1919 - February 1920, 996 pages Specifications: 16162 - 16598	
	2	Letterbook C 28 February 1920 - June 1920, 993 pages Specifications: 16599 - 16995	
	3	Letterbook C 29 June 1920 - October 1920, 1002 pages Specifications: 16996 - 17374 Tenders sent in for C.N.R., G.T.R. contracts.	

Vol.	File	Subject	Date
75	1	Letterbook C 30 October 1920 - August 1921, 997 pages Specifications: 17375 - 17754	
	2	Letterbook C 31 August 1921 - June 1922, 994 pages Specifications: 17775 - 18138	
	3	Letterbook C 32 June 1922 - January 1923, 991 pages Specifications: 18139 - 18516	
76	1	Letterbook C 33 January 1923 - September 1923, 994 pages Specifications: 18519 - 18882 Sometimes included: Inquiry No., request No., tender No. if required.	
	2	Letterbook C 34 September 1923 - April 1924, 994 pages Specifications: 18883 - 19231 January 15, 1924, pages 373-82, 40' boring and turning mill for C.G.E.	

Vol.	File	Subject	Date
76. (cont'd)	3	Letterbook C 35 May 1924 - April 1925, 1000 pages Specifications: 19255 - 19534 Index now at back of book.	
77	1	Letterbook C 36 April 1925 - February 1926, 994 pages Specifications: 19535 - 19831	
	2	Letterbook C 37 February 1926 - September 1926, 995 pages Specifications: 19833 - 20122	
	3	Letterbook C 38 September 1926 - February 1927, 724 pages Specifications: 20125 - 20362	
	4	Blank delivery list removed from C 37.	

78

QUOTATIONS

John Bertram & Sons Co. Ltd. Quotations
Copies of letters sent to prospective

Vol.	File	Subject	Date
78 (cont'd)	1	customers giving technical specifications, extra parts, accessories available, price, weight shipment and terms. Contains a quotation (proposal) number. Alphabetical index by machine name and customer.	
	2	Letterbook Q 52 September 1946 - December 1946, 552 pages Quotations: 26874 - 27004	
	3	Letterbook Q 53 December 1946 - March 1947, 739 pages Quotations: 27005 - 27156	
	4	Letterbook Q 54 April 1947 - June 1947, 559 pages Quotations: 27157 - 27295	
79	1	Letterbook Q 55 June 1947 - October 1947, 521 pages Quotations: 27296 - 27421	
	2	Letterbook Q 56 October 1947 - January 1948, 560 pages Quotations: 27422 - 27539	

Vol.	File	Subject	Date
79 (cont'd)	3	Letterbook Q 57 January 1948 - April 1948, 556 pages Quotations: 27540 - 27662	
80	1	Letterbook Q 58 April 1948 - July 1948, 564 pages Quotations: 27663 - 27790	
	2	Letterbook Q 59 August 1948 - November 1948, 562 pages Quotations: 27791 - 27906 Includes quotations given on repairs to be done on Bertram machines. Bertram is acting as agent for U.S. companies such as Cincinatti, milling.	
	3	Letterbook Q 60 November 1948 - February 1948, 551 pages Quotations: 27907 - 28044	
81	1	Letterbook Q 61 February 1949 - July 1949, 517 pages Quotations: 28045 - 28151	

Vol.	File	Subject	Date
81 (cont'd)	2	Letterbook Q 62 August 1949 - January 1950, 550 pages Quotations: 28152 - 28274	
	3	Letterbook Q 63 March 1950 - July 1950, 553 pages Quotations: 28275 - 28392	
82	1	Letterbook Q 64 July 1950 - January 1951, 618 pages Quotations: 28393 - 28536	
	2	Letterbook Q 65 January 1951 - June 1951, 526 pages Quotations: 28537 - 28662	
	3	Letterbook Q 68 January 1953 - January 1954, 245 pages Quotations: 28929 - 29102 Many quotations for export market, primarily shears, punches, wheel presses.	

Vol.	File	Subject	Date
83	1	Letterbook Q 69 January 1954 - January 1955, 605 pages Quotations: 29103 - 29263	
	2	Letterbook Q 70 January 1955 - December 1955, 396 pages Quotations: 29280 - 29401	
	3	Letterbook Q 72 January 1956 - December 1956, 581 pages Quotations: 29403 - 29704	
84	1	Old Letterbook Q 35 January 1957 - June 1957, 555 pages Quotations: 29736 - 29933	
	2	Old Letterbook Q 34 June 1957 - December 1958 Quotations: 29934 - 30030 (October 1957) November 1957 - new number system starts at 2000. Prefixed by various letters.	

Vol.	File	Subject	Date
84 (cont'd)	3	Old Letterbook Q 33 February 1958 - April 1959 Quotations: 2604 - 4972, 6280 - 7874	
85	1	Old Letterbook Q 44 January 1959 - December 1959	
	2	Old Letterbook Q 38 January 1962 - May 1962	

BRANCH OFFICE QUOTATIONS

John Bertram & Sons Co. Ltd. Branch Quotations. Proposals made by Bertram branch offices to customers wishing to purchase machine tools and equipment. A letter describes the equipment, basic price, accessories, their price and motor. Sometimes explained how the machine can be adapted to the company's requirements. Copies of letters from Walkerville, Toronto, Hamilton and Montreal. Each branch has its own consecutive numbering system e.g. Wr 843, M 6399, H 1289. Letters roughly interfiled. Index at back by customer and machine.

Letterbook Q 1

August 1950 - October 1950, 731 pages!

Vol.	File	Subject	Date
86	1	Letterbook Q 2 October 1950 - December 1950, 507 pages	
	2	Letterbook Q 3 January 1951 - March 1951, 823 pages Almost always sophisticated American Machines, Cincinnati millers and grinders, Jones and Lamson lathes etc. Bertram left with the simple punches, shears, hammers and some lathes.	
	3	Letterbook Q 4 April 1951 - July 1951, 788 pages	
87	1	Letterbook Q 5 August 1951 - November 1951, 610 pages	
	2	Letterbook Q 6 November 1951 - August 1952, 547 pages	
	3	File folder for August 1952 - January 1953 pages 549 - 675	
	4	Untitled Letterbook February 1955 - April 1956, 460 pages.	

Vol.	File	Subject	Date
88	1	Bertram Machine Tool Company. <u>Rebuild Estimates. H to L</u> , 1955-1966. Binder containing proposals to repair and rebuild Bertram and other machines and equipment. Arranged by machine tool type. Gives customer's name and address, date, machine to be worked on, steps to rebuild machine, projected cost and time required, stipulations and quotations.	1955-1966
	2	Bertram Machine Tool Company. <u>Rebuild Estimates M - Z</u> , 1955-1966. Binder containing proposals to repair and rebuild Bertram and other machines and equipment. Arranged by machine tool type. Gives customer's name and address, date, machine to be worked on, steps to rebuild machine, projected cost and time required, stipulations and guarantees.	1955-1966
	3	Bertram Machine Tool Company. Proposals - January - December 1965. Binder containing proposals made by Bertram to make custom built equipment, supply large machine tools, and to rebuild machines. Proposals contain name of prospective client, address, type of machinery to be supplied, technical details payment and delivery details. Sometimes price is included. Made a number of proposals for supplying mine hoists. Loose index at beginning arranged by company name.	1965
	4	John Bertram & Sons Co. Ltd. Tender for Forge Shop - National Transcontinental Railway. Proposals made by Bertram for equipping the forge shop. Proposals	1910

Vol.	File	Subject	Date
88 (cont'd)	4	have technical specifications, weight and price. Telegrams to John Evans' Sons, Philadelphia.	1910
89		CONSTRUCTION AND PLANT:	
	1	<u>John Bertram & Sons Co. Ltd. Construction of a New Machine Shop and Small Tool Department. Correspondence and Contract (# 1) 1906-1907.</u>	1906-1907
		Binder containing letters proposals, quotations, photographs, blueprints and contracts relating to steel work, air hoist, cement, cranes, heating plant etc. Arranged by component and date. Correspondence on delays and problems with contractors and suppliers.	n.d.
	2	<u>John Bertram & Sons Co. Ltd. Construction of New Machine Shop and Small Tool Department. Correspondence (# 2) 1905-1906.</u>	1905-1906
		Binder containing letters, proposals, quotations, catalogues, advertising material, weekly reports etc. Arranged by building component (lighting, motors, roofing, shafting etc.)	n.d.
		Blueprints have been transferred. See list at end of finding aid.	

Vol.	File	Subject	Date
90	PRATT & WHITNEY		
	1	Pratt & Whitney Co. of Canada Ltd. <u>Shipping Orders 1.</u> List of orders sent to Pratt & Whitney for drills, taps, dies, reamers, milling cutters etc. Gives date, name of purchaser, location, details.	n.d.
	2	Pratt & Whitney Co. of Canada Ltd. <u>Petty Cash Book.</u> March 1908 to April 1931, 192 pages. Miscellaneous expenses by office staff; postage, travelling expenses, customs duty etc. Totalled at irregular intervals. 2 weeks to 3 months. Total covered by a voucher. Sometimes covered by a John Bertram & Sons voucher.	March 1908 - April 1931
	3	Pratt & Whitney Co. of Canada Ltd. May 1931 - June 1942, 78 pages used. Miscellaneous expenses by office staff. Covers postage, exchange, drayage, duty etc. Totalled every 2 weeks to 1½ months. Covered by a voucher.	May 1931 - June 1942
	4	Pratt & Whitney, Cheque Register. List of cheques issued, arranged by serial number and by date. Some annotations: draft, cancelled. February 1937 to July 1943. Serial numbers 29510 to 37837, 1 to 2464.	February 1937 - July 1943

Vol.	File	Subject	Date
91	1	Letterbook, Pratt & Whitney of Canada Ltd. <u>Proposals</u> . Very similar to Bertram's 2 page form letter, the second page lists tool bits and price. Indexed by customer.	November 1914 - March 1927

November 1914 - March 1927, 966 pages

Proposal: P & W 1 to P & W 479

MUNITIONS

92		John Bertram & Sons Co. Ltd. Munitions. Contracts - Correspondence - Specifications - Blueprints concerning shell production.	1918-1921
	1	Munitions. Claim concerning 155 mm. shell contract - Correspondence.	1918
	2	Munitions. Claim concerning 155 mm. shell contract - Correspondence.	1919
	3	Munitions. Claim concerning 155 mm. shell contract - Correspondence.	January - June 1920
	4	Munitions. Claim concerning 155 mm. shell contract - Correspondence.	July - December 1920
	5	Munitions. Claim concerning 155 mm. shell contract - Correspondence.	1921

Vol.	File	Subject	Date
92 (cont'd)	6	Munitions. Claim Concerning 155 mm. shell contract - Proceedings and evidence.	1920
	7	Munitions. Claim concerning 155 mm. shell contract - Statements.	1919, May 1920
	8	Munitions. Equipment for shell production.	n.d.
	9	Munitions. General Correspondence and Reports.	1917-1919
	10	Munitions. General Correspondence and Reports.	1918-1919
	11	Munitions. Power Supply - Correspondence.	1918
	12	Munitions. Specifications and Blue-prints.	1915-1918
93	1	Munitions. 6 inch shells - Brass plates Machined by Bertram.	1917-1918
	2	Munitions. 6 inch shells - Receipts for Forgings.	1917-1918
	3	Munitions. 6 inch shells - Receipts for other components.	1917-1918

Vol.	File	Subject	Date
93 (cont'd)	4	Munitions. 6 inch shells - Shipments.	September 1917 - July 1918
	5	Munitions. 6 inch shells - Shipments.	July - November 1918
	6	Munitions. 6 inch shells - Spoiled and defective.	1917-1918
94	1	Munitions. 6 inch shells - Equipment, Correspondence.	1917-1918
	2	Munitions. 6 inch shells - Reports to Claims Department, Imperial Munitions Board.	1917-1919
	3	Munitions. 6 inch shells - Shipments of forgings and boxes.	1918-1919
	4	Munitions. 6 inch shells - Spoiled and defective books for 1 and 2 shops.	1918
	5	Munitions. 6 inch shells - Weekly reports to Imperial Munitions Board.	1917-1918
	6	Munitions. 8 inch shells - Components received.	1916-1971
	7	Munitions. 8 inch British High Explosive shells - Equipment, Blueprints.	n.d., 1916

Vol.	File	Subject	Date
94 (cont'd)	8	Munitions. 8 inch shells - Weekly reports to the Imperial Munitions Board.	1916-1917
	9	Munitions. 75 mm. shells - Blueprints.	1917-1918
	10	Munitions. 75 mm. shells - Equipment, correspondence, specifications.	1917-1918
	11	Munitions. 75 mm. shells - Spoiled and defective shells, shop notices.	1918-1919
	12	Munitions. 75 mm. shells - Spoiled and defective copper bands, Vouchers.	1918
	13	Munitions. 75 mm. shells - Spoiled and defective shells, Voucher books.	1918
	14	Munitions. 75 mm. shells - Weekly reports to Imperial Munitions Board.	1918-1919
95	1	Munitions. 6 inch shells - Invoices for Base Plates, Part I	October 1917 - August 1918
	2	Munitions. 6 inch shells - Invoices for Base Plates, Part II	October 1917 - August 1918
	3	Munitions. 6 inch shells - Invoices for Shell Parts.	January - November 1918

Vol.	File	Subject	Date
95	4	Munitions. 6 inch shells - Defective Shell Books, 1-3.	November 1917 - November 1918
	5	Munitions. 6 inch shells - Defective Shell Book	September - November 1918
	6	Munitions - 6 inch shells - Spoiled Shell Books,	December 1917 - November 1918
	7	Munitions. 6 inch shells - Defective Shell Cards	1918
	8	Munitions. 6 inch shells - Spoiled High Explosive Shell Cards	1918
	9	Munitions. 6 inch shells - Defective and Spoiled Copper Bands	February - September 1918
	10	Munitions. Miscellaneous Papers	1917-1918
96	1	Munitions. 8 inch shells - Parts Received and Shipments	April 1916 - April 1917
	2	Munitions. 8 inch shells - Shipments, Defective and Spoiled Records	May - September 1917

Vol.	File	Subject	Date
97		CRAVEN BROTHERS	
		Craven Brothers (Manchester) Ltd. 108 photos of special machine tools and techniques used at Craven Brothers. annotated.	1961-1963
		1 letter and 1 questionnaire filed separately.	n.d.
		Craven Brothers (Manchester) Ltd. Stockport, U.K. <u>Machine Tool Gazette</u> No. 102 (1959) to No. 124 (1963).	1959, 1963
		Binder also contains advertizing pamphlets for Craven profiling lathes, bar skinning machines, ingot slicing machines etc.	n.d.
		Removed and filed separately - questionnaire and price list.	n.d.
98		VARIOUS SUBJECT FILES	
	1	John Bertram & Sons. Employees Excursion to Niagara Falls. Receipts for printing and transporta- tion.	1904
	2	Bertram Machine and Tool Company. Job Relations Manual. A binder containing a variety of materials on employer - employee relations. Also has <u>Supervisor</u> <u>News Bulletin</u> and a series of <u>nine(9)</u> papers on Management Development.	1964-1965

Vol.	File	Subject	Date
98 (cont'd)	3	Levy Athletic Association. Papers, Schedules, meeting notices, meeting minutes relating to baseball and hockey. Competition between the four divisions of Levy Industries. Constitution of the John Bertram & Sons Ltd., Pasime Club. 1951	1959-1967
	4	B.L.H. Canada Ltd. <u>Standard Quality Control Procedure</u> . A manual specifying the quality control procedure to be followed during manufacturing. Samples of forms to be used.	1973
	5	John Bertram & Sons Co. Ltd. <u>Policy and Procedure Manual</u> . Loose leaf binder contain standard operating procedure for all aspects of company operations. Arranged alphabetically like a dictionary. Contains Management Organization Chart, accounting system used at Bertram.	n.d.
		Contains samples of all the forms used by Bertram. Copy of Collective agreement between International Association of Machinests and Bertram starting January 1, 1963.	January 1, 1963
		Copy of Agreement between Hamilton's Draftsman Association No. 2 and Bertrams.	5 November 1958
	6	Binder similar to 98.5 without extra material or collective agreements.	n.d.
		Has slightly different material relating to revisions.	

Vol.	File	Subject	Date
98 (cont'd)	7	Metropolitian Life Insurance Co. <u>A Program of Group Insurance for the Employees of Bertram & Company.</u> Details of insurance program and benefits for Bertram.	n.d.
99		TECHNICAL DATA AND INSTRUCTION BOOKS	
	1	John Bertram & Sons Co. Ltd. Data Book - Railway Equipment. Binder containing technical details and evaluation of Bertram machines and others. Information on car wheel borers, drills, Journal turning lathes, millers and other railway machinery. Contains copies of letters on product evaluation, machining time, photographs and diagrams. Lists of machines installed by Bertram and others. Correspondence between Bertram and Nile Tool Works.	1920-1950
	2	John Bertram & Sons Co. Ltd. Data Book - Wheel Lathes. Binder containing correspondence and technical data on car and driving wheel lathes. Comparison between different makes of lathes, technical development and problems associated. Includes one photo illustrating the evolution of wheel lathes.	1929-1954 1880-1930

Vol.	File	Subject	Date
99 (cont'd)	3	John Bertram & Sons Co. Ltd. Data Book - Rolls, Hammers. Binder containing correspondence and technical data on forging and board hammers. Technical problems of hammers. Much correspondence with Erie Foundry. (Bertram their agent?) Photographs of hammers at work (mostly Erie) some technical drawing. A small amount of information on plate rolling machines and photo.	1913-1955
	4	John Bertram & Sons Co. Ltd. Data Book - Guns. Material related to the boring and turning of gun barrels during W.W. II. Contains correspondence between companies, photographs, clippings from magazines - much technological development. Some historical material on boring.	1937-1948
	5	John Bertram & Sons Co. Ltd. Blueprints. Set 1. Coach and Driving Wheel Tool Blades. Set 2. Parts for a roll grinder. 1936.	1932-1936
	6	John Bertram & Sons Co. Ltd. <u>Bertram Timesaver Shapers: Operator's Instruction Book and Parts Catalogue</u> , manual containing technical data, operating instructions parts list and diagrams. Bertram advertising pamphlet for shapers at back.	n.d.

Vol.	File	Subject	Date
99 (cont'd)	7	John Bertram & Sons Co. Ltd. <u>Bertram 48" Timesaver Planer</u> : Operator's Instruction Book. A manual containing instructions for erection, operation and maintenance. Contains photographs.	1940, 1943
	8	Offprint of article from Canadian Machinery and Manufacturing News, "Building Block Transfer Machine".	n.d.
100	SAMPLES OF PRINTED MATERIAL		
	1	John Bertram & Sons Co. Ltd., <u>Samples Printed Matter etc. and Cost of Same</u> , bound scrapbook containing examples of material such as envelopes, letterheads, papers, work tickets, tags.	n.d.
		Of particular note are: 1) company letterheads 2) work tickets for various functions. 3) labels	
	2	Material placed in separate folders 1) Pratt & Whitney discount list. 2) engravings of P & W products and 75 mm shell 3) descriptive pamphlets of Bertram Machine tools.	n.d.

Vol.	File	Subject	Date
101		Canada Tool Works. Drawing Office Record. Disbound. Contains cards used by drawing office giving order number, date and a brief description of the type of machine requested. Roughly organized by date. November 1900 to April 1905. Cards pasted into book.	1900-1905
		Miscellaneous material: Delivery list - Drawing Office Copy,	February - July 1902
	1	Drawing Office Orders. Disbound from Order Book. (Disbound folder 1).	November 1900 - April 1901
	2	Drawing Office Orders. Disbound from Order Book. (Disbound folder 2).	April - May 1901
	3	Drawing Office Orders. Disbound from Order Book. (Disbound folder 3).	May - July 1901
	4	Drawing Office Orders. Disbound from Order Book. (Disbound folder 4).	August 1901 - April 1902
	5	Drawing Office Orders. Disbound from Order Book. (Disbound folder 5).	March - August 1902
	6	Drawing Office Orders. Disbound from Order Book. (Disbound folder 6).	August 1902 - June 1903

Vol.	File	Subject	Date
101 (cont'd)	7	Drawing Office Orders. Disbound from Order Book. (Disbound folder 7).	July 1903 - May 1904
	8	Drawing Office Orders. Disbound from Order Book. (Disbound folder 8).	May - October 1904
	9	Drawing Office Orders. Disbound from Order Book. (Disbound folder 9).	November 1904 - May 1905
	10	Drawing Office Orders. Disbound from Order Book. (Disbound folder 10).	June 1904 - April 1905
	11	Drawing Office Orders. Disbound from Order Book. (Disbound folder 11).	March 1901 - May 1904
	12	Delivery List - Drawing Office, Disbound from Order Book.	February - July 1902
102		FOUNDRY OUTPUT AND BLUEPRINT RECORDS	
	1	John Bertram & Sons, <u>Foundry Output, Weights of Castings from January 1884 to December 1897.</u> An account book arranged by month giving daily output in pounds of castings. Monthly casting weight, monthly wages paid to foundry workers and monthly surplus/deficit of foundry.	January 1884 - December 1897

Vol.	File	Subject	Date
102 (cont'd)	2	John Bertram & Sons. Foundry Output Statement. An account book arranged monthly from July 1904 to September 1905, with irregular loose reports up to March 1905. Gives daily production and rejects in pounds. Monthly total for weight of castings, amount of brass used, wages to foundry workers and foundry surplus/deficit.	July 1904 - March 1905
	3	John Bertram & Sons. <u>Blue Print Record</u> . Bound ledger giving three different types of information. 294 pages used. a) Blue prints - a list of each of the machine tool models produced by the company (M 1 to M 272) and a list of blue prints required for the manufacture of each model. Sometimes list is annotated. ca. 1901-1902. Pages 2-118. b) Foundry Output - Monthly Statement of weight of castings produced for each machine tool model. Monthly total weight, spoilt castings and rejects. Pages 146-199. c) Daily account involving miscellaneous metals (copper, zinc, lead, gates etc.) and other unknown figures. Pages 201-94.	ca. 1901-1902 November 1902 - August 1904 June 1907 - August 1909.
	4	1 file, loose paper, foundry output statements,	September 1904 - March 1905

Vol.	File	Subject	Date
103		ASSORTED CORRESPONDENCE, PROPOSALS AND PUBLICATIONS	
	1	John Bertram & Sons Co. Ltd. Correspondence with Link-Belt. Concerns openside planer.	1923-1930
	2	John Bertram & Sons Co. Ltd. Correspondence with Dominion Bridge. Concerns the cutting of special screws.	1963-1964
	3	Bertram Machine & Tool Co. Hoist for International Nickel. Proposal, order, shipment and memoranda on the hoist for the North Mine, Copper Cliff.	1965-1967
	4	Bertram Machine & Tool Co. Correspondence with International Nickel. Concerns Hoist for North Mine, Copper Cliff.	1965-1969
	5	Bertram Machine & Tool Co. Tenders for Hydro Electric Power Commission of Ontario. Tendering documents for split sleeve assemblies for Pickering Generating Station.	1967
	6	Bertram Machine & Tool Co. Correspondence and invoices with Hydro Electric Power Commission of Ontario. Concerns split sleeve assemblies for Pickering Generating Station.	1967-1968

Vol.	File	Subject	Date
103 (cont'd)	7	Canadian General Electric. Proposals made to Bertram for Bafrisa Spain Steel Mill. Proposal to supply electric motors and controls to Bertram for the steel mill. Similar proposal for a reversing Sendzimir Mill (1965)	1966
	8	Bertram? Bafrisa Steel Mill Project - Summary of Economic Study. Study on the feasibility of a strip rolling in Spain.	n.d.
	9	Bertram? Bafrisa Steel Mill Project - Summary of Financial Study on the investment needed to finance the project.	n.d.
	10	Ellis, May, Chadwick Ltd. An Advertising Plan for Bertram Machine & Tool Co. Benefits and cost of advertising campaign.	n.d.
	11	Articles on Potash Mining.	1962-1964
	12	Canadian Manufacturing's Association - circulars and pamphlets.	1932-1942
	13	Canadian Manufacturers' Association - Pamphlets on Budget, Taxes. Annual report.	1932, 1939-1942
	14	Canadian Pacific Railway Company. Report of Proceedings at the Annual General Meetings of Shareholders.	6 May 1942
	15	Colonial Steamship Limited. Balance Sheet.	1940

Vol.	File	Subject	Date
103 (cont'd)	16	Western Steel Products Corporation Limited - Annual Report.	1941
	17	The B. Greening Wire Company Limited. Hamilton, Ontario. Financial Statement.	1941
	18	Manufacturer's Mutual Fire Insurance Company. Providence, Rhode Island. Annual Report.	1941
	19	Consolidated Paper Corporation Limited. Annual Report.	1941
	20	Canada. Report of Royal Commission Inquiring into the Affairs of Abitibi Power and Paper Company, Limited.	March 1941
	21	Ontario. Noble, Robert H. <u>Report, Latin American Markets Mexico, Venezuela, Columbia, Peru.</u>	1965
104		John Bertram & Sons Co. Ltd. General Order Cards. 1903-1910. Individual Cards giving order, machine and S.O. numbers and a description of the item wasted.	1903-1910

Vol	File	Subject	Date
105		John Bertram & Sons Co. Ltd. - General Order Cards. 1927-1952. Arranged mainly by the name of client such as Dept. of Defence Production and CNR. Stock Order Record Cards. 1904-1912, 1947-1950. Accessories and replacement parts ordered from stock.	1927-1952 1904-1912, 1947-1950
106		<u>Miscellaneous printed material</u>	
		- Company calendars	1899, 1904
		- Sample forms	
		- Original art work for Co. letterhead	
		- Letterhead for Bertram paper making machinery	
		- Bertram business card. (illustrated)	
		- Photographic business cards, Acme Machinery Co.	
		- Rolland Paper Co. paper samples	
		- Advertising material for a Bertram Gap Lathe, 1898	1898
		- Miscellaneous Bertram Advertising material	
		- A.R. Williams Machinery Co., Toronto - <u>Power Transmission Catalogue K</u>	
		- Advertising material for Keller Mechanical Engineering Corporation, Brookly, N.Y.	
		- "Plant Equipment Worth \$1 Million" <u>Hamilton Spectator</u> , 12 December 1963.	1963
		- Birch Bark Post Care 1921	1921
		- Fosdick & Holloway Machine Tool Co., Cincinnati, Ohio - Upright Radial Drill, Advertising material.	
		- Toronto Railway Club-Lecture, Annotated list of slides of Bertram Railway Equipment.	5 May 1946

Vol.	File	Subject	Date
107		Glass Slides (in wooden box) 33 slides 27 numbered and 3 unnumbered slides of a 14' X 96" Double Man (mine) Hoist. Contains plans of assembly and photographs of the machinery and assembly of main components. Photograph, order number and title on slides. 3 slides of mine hoists built for individual mines. A set of unnumbered cards exists with titles to describe slides stored in vault.	n.d.

Items transferred to Picture Division

1. John Bertram & Sons Co. Ltd. - Certificate of Honour, Second Victory Loan. 1942.
2. Pratt & Whitney of Canada Ltd. - Certificate of Honour, Second Victory Loan. 1942.
3. Pratt & Whitney of Canada Ltd. - Certificate of Honour, Seventh Victory Loan. 1944.
4. Pratt & Whitney of Canada Ltd. - Certificate of Honour, Eighth Victory Loan, 1945.
5. Canadian Machinery & Manufacturing News. Re-establishment and Industrial Expansion Issue. Art work for cover having Bertram name on it. n.d.
6. John Bertram & Sons Co. Ltd. Photographic enlargement of painting of Bertram shops, Dundas, Ontario, n.d. appears in Canadian Machinery & Manufacturing News. 25 December 1924 p. 174.

Plans Transferred to National Map Collection

Folder

- 1) John Bertram & Sons Co. Ltd., Dundas, Ontario - New Lathe Shop, 1917-1918. Plans 1-12, Revised Plans 1A-3A, 5A, 6A, Plans B, C. General plans and layout of steel members for lathe shop prepared by Hamilton Bridge Works Co. Ltd., Hamilton, Ontario.
- 2) Hamilton Bridge Works Co. Ltd., Hamilton, Ontario. List of Sizes & Weights of steel members for lathe shop. 1917.
- 3) John Bertram & Sons Co. Ltd. - Permanent Storage Building. 1917-1918. Plans 1-12. General plan and layout of steel members for the Storage Building prepared by Hamilton Bridge Works.
- 4) John Bertram & Sons Co. Ltd. Permanent Storage Building. 1918 - Revised Plans, 4A, 8A-12A. Also plans B,C,D and 27, 28, 31.
- 5) Hamilton Bridge Works Co. Ltd. - List of sizes and weight of steel members for storage building.
- 6) John Bertram & Sons Co. Ltd., Dundas, Ontario. General plan of Sanitary and Storm Sewers. 1954.