

PORT ARTHUR SHIPBUILDING FONDS RECORDS GROUP 5

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This fonds consists of the corporate records and engineering drawings of the Port Arthur Shipbuilding Company [PASCOL], a division of Canadian Shipbuilding and Engineering. The material ranges in date from the establishment of the shipyard in 1910 to 1986 inclusive, with the bulk of the documents belonging to the early years with a gap to more modern records of the 1980's.

This collection is virtually unparalleled for its comprehensiveness and diversity of material in the general field of marine history. Its intellectual appeal is far-reaching, comprehending the technological

disciplines of marine engineering, and naval architecture, plus the divisions of the liberal arts such as sociology, economic and technology history, and feminist studies.

PORT ARTHUR SHIPYARDS

ESTABLISHMENT

In 1910 local capitalist James Whalen determined to build a shipyard in Thunder Bay to augment his salvage, towing and lumber business. Subsequently he approached the American Shipbuilding Company of Cleveland to direct an engineer to Port Arthur to layout and complete a shipyard including drydock. This individual did a first class job: layout of the shipyard was so efficient that very little has had to be changed in the intervening years. This was the establishment of the Western Drydock Company.

FIRST CONTRACTS

Under the management of Mr. Whalen a few tugs and barges were built, then the firm got the order to build the largest and most palatial passenger ship on the Great Lakes. She was duly launched in 1913. The machinery was installed. Trials were run and the vessel proceeded to Cleveland to receive the finishing touches. While there it was noted that her stability was poor; she lay over against the wharf in an alarming fashion. The ship had been designed by the American Shipbuilding Company and she was put in their drydock. At the waterline, the hull was enlarged with battleship type blisters which corrected the persistent stability problem. The ship performed very well over a lifespan that extended to September 1949; that month while on a cruise of the lower lakes she caught fire at the dock in Toronto and was completely destroyed with the loss of 119 people. She was the Noronic.

WORLD WAR I

During World War I the Western Drydock Company directed by Mr. Paige, built one large upper laker bulk carrier, and several seagoing freighters for both the Canadian Government Merchant Marine and the British Admiralty. These were followed by a series of armed

naval trawlers for both the above owners. Toward the end of the war, the shipyard was engaged in building more seagoing merchant ships for the Canadian Government Merchant Marine - this was part of the government's efforts towards mitigating the effects of the post-war depression and the work continued until 1923.

DEPRESSION

In 1924 the shipyard built a further upper lakes bulk carrier for the Matthews Steamship Company of Toronto. But they found in common with the other Great Lakes shipyards at this time, that business was drying up; at the conclusion of this contract, all new construction ceased until 1940. During this long difficult period which spanned the Depression the shipyard remained viable with ship repair work. Fortunately at this time an expansion of the papermills of northwestern Ontario took place and the shipyard set up a very successful general engineering division to manufacture papermill machinery, flumes, hoppers, and other related mill machinery. This became so active that the management of the shipyard became oriented toward this work rather than shipbuilding.

WORLD WAR II

Shipbuilding once again came to the fore. In 1940 the Canadian Government and British Admiralty as in the previous war, were looking for naval vessels to be built in Canada. Consequently the Port Arthur Shipbuilding Company received contracts for the first of many corvettes. This shipyard with its modern and very active machine shop and boiler shops was able to produce the engines and boilers for these ships as well as the hulls. This machinery was rated by both governments as the best of its kind produced in Canada. Halfway through the war period the shipyard was ordered to construct a fleet of minesweepers of the Algerine class. The work on these went just as well as that of the corvettes and the shipyard proved a very able producer. At the conclusion of hostilities, the Canadian government, in assisting France to recover, asked Port Arthur to construct a fleet of twelve self-propelled garbage scows for the French government.

PROSPERITY

The prosperous 1950's brought continued success. In 1953 the yard received orders from the Algoma Central Railway to build a turbine driven laker. This ship was followed by one for Patterson Steamships of exactly the same pattern. At the same time they built two upper lakers for Canada Steamship Lines. Under the direction of manager Gordon Macdougall (1936-64) the yard became involved in building hydraulic suction dredges in the mid 1950's for use at the Steeprock Lake mine for dewatering the last of the water and finally 300 feet of sludge and mud from the lake bottom. When this work was completed the dredges were sitting on a floor of pure iron ore.

RECENT YEARS

Port Arthur Shipbuilding entered the 1960's with only one new construction, the icebreaker *Alexander Henry*. Once again shipbuilding was at a very low ebb, but with the vast increase in the number of ships in the 1960's, the drydock was constantly busy especially during the winter months. During this period the yard was managed by Mr. Robert Sutton and the engineering work held up very well. With the design and construction of a lathe able to turn a cylinder forty feet in diameter by over one hundred feet long, they became assured of continuing mining machinery contracts.

Under the management of Mr. Don Page (1974-80), the yard received in 1974 an order from Collingwood Shipyards - with whom it was closely affiliated - to build a new auto and passenger ferry for service between Kingston and Wolfe Island, Ontario. This proved to be the last completed ship to date to have been built at the yard although several conversions of bulk carriers to self unloaders have also been carried out. Thus the shipyard enters the 1990's with a full order book for winter repairs and a full order book of machine shop and boiler shop work to be pursued.

Don Page/Earl Moorhead

SCOPE AND CONTENT NOTES

Introduction

This fonds is of the business records and plans of the Port Arthur Shipbuilding Company, a division of Canadian Shipbuilding and Engineering. The bulk of the material consists of Accounting Ledgers, Repair Files, and Personnel Records (as of time of writing), however there are also photographs and other graphic material in the form of engineering blueprints and linen originals.

Arrangement

The collection is divided primarily into two subgroups distinguishing the graphic from the textual records. The Plan subgroup totals approximately 1000 items and are divided into natural series described under that heading: the date range for the plans is 1909-1948 inclusive. The textual record subgroup is divided into ten main series reflecting the operational divisions of the company: Payroll, Accounts Payable, Accounts Receivable, Intermediate Accounting/Financial Statements, General Accounting, Purchasing/Sales, Engineering/Production, Aircraft Division, General Administration, and Personnel. The date range for the textual subgroup is 1913-1990. The textual material currently totals approximately 128 cubic feet. (1997)

Provenance

All material, with the exception of some ship plans were created by Port Arthur Shipyards.

Source

The collection was donated by Canadian Shipbuilding and Engineering.

Restrictions

All materials are currently unrestricted excepting the Personnel Records and financial records postdating 1970. Restrictions are detailed in the series descriptions.

Copyright

Copyright to all material has been transferred in toto to the Marine Museum of the Great Lakes at Kingston.

Finding Aids

A detailed inventory is available in hardcopy format and is also available on our Website at WWW.MARMUS.CA. It can also be found as a part of our database on the Queens University library system.

TEXTUAL SUBGROUP

PAYROLL SERIES

The collection maintains very comprehensive payroll records in the form of ledgers from the earliest period of the company's history through 1950 (there are few gaps in the record). The papers are four in nature: the majority are ledgers of the payroll accounts for the main workforce; five ledgers record piecework wages; one ledger accounts for salaried staff - office personnel and executives; the final set of records consist of file cards recording payroll deductions for charities . The records in the wage ledgers are assessed separately to each manufacturing department. There are 27 ledgers and data cards totalling 15 linear feet of material.

Subseries Wage Ledgers

993.11.1 Sept.10 1910 to June 30 1913

993.11.2 July 1 1913 to Dec 31 1915

993.11.3 Jan 1 1916 to Dec 30 1917

993.11.4 Dec 31 1917 to Dec 28 1918

993.11.5 Dec 30 1918 to Dec 27 1919

993.11.6 Jan 10 1921 to Dec 31 1922

993.11.7 Jan 1 1923 to Dec 31 1931

993.11.8 Jan 1 1932 to Aug 31 1940

993.11.9 Sept 15 1940 to Jan 14 1942

993.11.10 Jan 15 1942 to Dec 31 1942

993.11.11 Jan 15 1943 to May 15 1943

993.11.12 Feb 28 1943 to Dec 31 1943

993.11.13 Jan 15 1944 to Jun 30 1944

993.11.14 Jul 1 1944 to Dec 31 1944

993.11.15 Jan 15 1945 to Jun 30 1945

993.11.16 Jul 15 1945 to Dec 31 1945

993.11.17 Jan 15 1947 to Dec 31 1947

993.11.18 Jan 11 1948 to Dec 31 1948

Subseries Piecework Payroll

993.11.19 Oct 1 1911 to Dec 14 1914

993.11.20 Jun 5 1915 to Dec 29 1917

993.11.21 Dec 31 1917 to Dec 12 1921

993.11.22 Feb 13 1922 to Dec 31 1943

993.11.23 Jan 15 1944 to Oct 15 1950

Subseries Executive/Administrative Payroll

993.11.24 Jan 1 1941 to Dec 30 1943

Subseries Payroll Charity Deductions and Benefits

1996.7.6

1950-88 Portship Consolidated Charity Fund Employee File Cards

1950-88 Voluntary Death Benefit Fund Employee File Cards

ACCOUNTS PAYABLE SERIES

The Accounts Payable record is one of four major divisions which track the company's financial status; the others following being, Accounts Receivable, Intermediate Accounts/Financial Statements, and General Accounting. It is important to recognize that the firm's accounting procedures evolved over time and that some practices were dropped while others continued. The basic divisions outlined try to maintain some continuity for the purposes of intellectual access. The Accounts Payable series covers the period from 1910 to 1976 and is contained in 17 ledgers which approximate 3.5 linear feet.

One subseries consists of **Accounts Payable** ledgers in which the accounts are listed monthly and arranged alphabetically by company within each month's accounting. These lists record the financial outlay of PASCOL to suppliers and subcontractors; the debt is assessed to each department incurring it. All **INVOICED costs of production are recorded here**. The invoices are tracked by an audited bill voucher. The cheques issued to pay these invoices are recorded in cash disbursement ledgers. This subseries totals approximately 3 linear feet.

Cash Disbursement ledgers form a second subseries. They operate as a cheque register recording actual cheques issued to pay bills. There is some redundancy of information between these ledgers and the Accounts Payable ledgers, with the latter providing more detailed records. This subseries comprises 0.5 linear feet.

Subseries Accounts Payable Ledgers

993.11.25 Jan 1919 to Mar 1923

993.11.26 Aug 1925 to Jul 1929

993.11.27 1933 to 1940 Alphabetical index of accounts payable.

993.11.28 Record of Bills Audited Oct 1910 to Dec 1913

993.11.29 Accts. Payable Jan 1914 to Nov 1916

993.11.30 Accts. Payable Dec 1916 to Jun 1924

993.11.31 Accts. Payable Jul 1924 to Dec 1935

993.11.32 Accts. Payable Jan 1936 to Dec 1942

993.11.33 Accts. Payable Jan 1943 to Dec 1946

993.11.34 Accts. Payable Jan 1947 to Dec 1951

993.11.35 Accts. Payable Jan 1952 to Dec 1958

993.11.36 Accts. Payable Dec 1958 to Dec 1964

993.11.37 Accts. Payable Jan 1965 to Dec 1967

993.11.38 Bills Payable [Credit Account] 1940 to 1942

993.11.39 Bills Payable [Credit Account] 1942 to 1943

Subseries Cash Disbursement Ledgers

993.11.40 Cash Disbursements 1947-1958

993.11.41 Cash Disbursements 1958-1974

ACCOUNTS RECEIVABLE SERIES

The Accounts Receivable series tracks all monies earned by Port Arthur Shipyards. Cash Books are the primary records documenting accounts receivable. The accounts are listed by date and customer invoiced. Cash Books are analogous to personal bank books revealing the financial status of the company on any given day. Accounts Receivable are journalled in eight ledgers dating from 1910 to 1976. Altogether they total approximately 1.8 linear feet.

993.11.42 Cash Book/Voucher Register 1910 to 1914

993.11.43 Cash Book 1915 to 1918

993.11.44 Cash Book 1918 to 1942

993.11.45 Cash Book 1942 to 1943

993.11.46 Cash Book 1943 to 1945

993.11.47 Cash Book 1945 to 1947

993.11.48 Cash Receipts 1947 to 1956

993.11.49 Cash Receipts 1956 to 1976

INTERMEDIATE ACCOUNTING/FINANCIAL STATEMENTS

Intermediate accounts are records that track the daily financial status of the company and are source documents for the preparation of financial statements. This series contains the financial statements as well. The series is divided into ten subseries currently amounting to approximately 45 linear feet. Descriptions follow.

Financial Statements: the primary document for a business. The end point of the accounting process giving a survey of the financial health of the firm. The collection has these in the form of monthly trial balance sheets for the years 1941 through 1980 and monthly financial statements for 1979-89. Yearly budgets are also included. This subseries comprehends 6 linear feet.

Work Order Ledgers provide a record of material and labour costs incurred on each particular job authorised by a work order and tracked by work order number (that is all work done for a customer. Maintenance and other overhead costs seem to be accounted for elsewhere) The Work Order Ledger also records when each job has been invoiced. This is an intermediate accounting procedure and is primarily a SOURCE DOCUMENT for the Financial Statement. This subseries comprehends 21 linear feet.

Journal Vouchers are another SOURCE DOCUMENT for the Financial Statement. They are a nexus for consolidation of all costs

for comparison with accounts receivable to inform regarding profit or loss, thus in effect providing monthly trial balances. "Uninvoiced costs - overhead - are accumulated here with invoiced supply costs and labour costs to document overall costs of production for the preparation of the financial statements." There is some redundancy of information between these and Financial Statements. This subseries consists of 5 linear feet.

Current Construction Ledgers are backup ledgers for Work in Progress files which are used to produce the Financial Statements. Current Construction Ledgers track new hull builds and are organized by hull number. They track daily materials and labour costs with a detailed breakdown of materials used and supplier; and labour hours charged to each construction and engineering department including shipyard, drafting office, machine shop, foundry, millwork, etc. The ledgers are organized internally into sections on the hull, boilers, and engines. Some ledgers are devoted to engines only; engines are numbered. Although an intermediate accounting document this is the prime source for discovering precisely the materials and manhours required to produce each ship that the yard built. It is also the immediate source for determining what kind of skills and work was required to build a given ship - this is all documented in the labour cost accounting. Current Construction 'M' Work documents millwork in the same manner. This material comprises 9 linear feet.

INTERMEDIATE ACCOUNTING/STATEMENTS

Appraisals are source documents for **Financial Statements** and contain comprehensive inventories and evaluations of all physical assets. Real estate, plant, facilities, machinery, tools and fixtures are all assessed. They are the prime source for determining what facilities existed at a given time and what the technological capabilities were. In concert with yard plans the whole physical layout external and internal can be reconstructed.

This subseries consists of approximately 2 linear feet.

Analytical Ledger and **Operating Journals** are synonyms. They track all uninvoiced costs of production, that is overhead, on a

monthly basis. Since overhead costs change in nature over time as the company and labour legislation evolves, the entries in a ledger from one period will not mirror exactly those from another period. This subseries comprises 10 linear inches.

Comparative Plant Overhead Statements

These are statements, like financial statements, but they document in analytical mode the information ledgered in **Operating Journals**. In this case all uninvoiced costs of production, that is overhead, is listed by category in a yearly statement and compared to that year's budget (eg: wages, stores, factory and yard), and all statements from the years 1952 through 1972 are bound together for comparative purposes. The material constitutes 0.5 inches.

Individual Ledger A tracks labour overhead on particular jobs. This one records a daily tally of labour costs incurred on specific shipyard jobs, listed by ship name. This subseries comprises 3 inches.

Closing Out Journal summarizes labour and materials cost and selling prices of vessels thus providing a final reckoning of profit. It is organized by work order number and provides vessel and customer names. It comprises 1.5 inches.

Pension Fund Ledger tracks pension fund growth 1961-72. This material comprises 1 inche of records.

Subseries **Financial Statements**

1996.7.7

1941 Monthly Trial Balance Sheets

1942 Monthly Trial Balance Sheets

1943 Monthly Trial Balance Sheets

1944 Monthly Trial Balance Sheets

1945 Monthly Trial Balance Sheets

1946 Monthly Trial Balance Sheets

1947 Monthly Trial Balance Sheets

1948 Monthly Trial Balance Sheets

1949 Monthly Trial Balance Sheets

1950 Monthly Trial Balance Sheets

1951 Monthly Trial Balance Sheets

1996.7.8

1952 Monthly Trial Balance Sheets

1953 Monthly Trial Balance Sheets

1954 Monthly Trial Balance Sheets

1955 Monthly Trial Balance Sheets

1956 Monthly Trial Balance Sheets

1957 Monthly Trial Balance Sheets

993.11.50 Year End for 1947

Year End for 1948

Year End for 1949

Year End for 1950

Monthly Statements 1951

Monthly Statements 1952

Monthly Statements 1953

Monthly Statements 1954

Monthly Statements 1955

Monthly Statements 1956

Monthly Statements 1957

Monthly Statements 1958

Monthly Statements 1959

993.11.51 Monthly Statements 1960

Monthly Statements 1961

Monthly Statements 1962

Monthly Statements 1963

Monthly Statements 1964

Monthly Statements 1965

Monthly Statements 1966

Monthly Statements 1967

Monthly Statements 1968

Monthly Statements 1969

993.11.52 Monthly Statements 1970

Monthly Statements 1971

Monthly Statements 1972

Monthly Statements 1973

Monthly Statements 1974

Monthly Statements 1975

Monthly Statements 1976

Monthly Statements 1977

Monthly Statements 1979

Monthly Statements 1980 (partial)

Comparative Plant Overhead Statements 1952-1972

1996.7.9

1978 Monthly Financial Statements

1979 Monthly Financial Statements

1980 Monthly Financial Statements

1981 Monthly Financial Statements

1982 Monthly Financial Statements

1983 Monthly Financial Statements

1984 Monthly Financial Statements

1985 Monthly Financial Statements

1986 Monthly Financial Statements

1987 Monthly Financial Statements

1988 Monthly Financial Statements

1989 Monthly Financial Statements

Subseries **Work Order Ledgers**

['A' Ledgers for Shipyard Work]

993.11.53 1916-1917 A4250-4891

1917-1919 A1-1498

993.11.54 1919-1925 A1499-4366

993.11.55 1925-1928 A4367-7399

993.11.56 1928-1931 A7400-10200

993.11.57 1938-1943 A1-2399

993.11.58 1943-1946 A2400-4019

Subseries **Work Order Ledgers**

['A' Ledgers for Shipyard Work]

993.11.59 1947-1948 A4400-6399

993.11.60 1950-1952 A9301-9999/A1-2100

993.11.61 1952-1954 A2101-4600

993.11.62 1954-1956 A4601-6700

993.11.63 1956-1957 A6701-8700

Subseries **Work Order Ledgers**

993.11.64 1957-1959 A8701-9999/A1-1800

993.11.65 1959-1960 A1801-3800

993.11.66 1960-1962 A3801-5700

993.11.67 1962-1964 A5701-7599

993.11.68 1964-1965 A7600-8500

993.11.69 1965-1966 A8501-9400

993.11.70 1966-1967 A9401-9999/A1000-2499

993.11.71 1967-1970 A2500-4599

993.11.72 1970-1973 A4600-6599

993.11.73 1973-1974 A4600-7999

993.11.74 1974-1975 A8000-9000

993.11.75 1975-1976 A1000-2000

Subseries **Work Order Ledgers**

[Pulp and Paper Machinery]

993.11.76 1921-1929 AP1-2799

993.11.77 1929-1937 AP2800-5799

993.11.78 1938-1942 AP5800-7999

993.11.79 1942-1946 AP8000-9999/AP1-799

993.11.80 1946-1950 AP800-3600

993.11.81 1950-1952 AP3601-4499

993.11.82 1952-1955 AP4500-5999

993.11.83 1955-1957 AP6000-7499

993.11.84 1957-1962 AP7500-9499

993.11.85 1962-1963 AP9500-9999

993.11.86 1963-1965 AP1-999/AP1000-2137

993.11.87 1965-1967 PP2518-3500

993.11.88 1967-1970 PP1000-2371

Subseries **Work Order Ledgers**

['B' Fabrication Work]

993.11.89 1939-1943 B1155-3700

993.11.90 1946-1948 B5701-8000

993.11.91 1948-1951 B8001-8999/B1-1199

993.11.92 1951-1953 B1200-3100

993.11.93 1953-1957 B1301-5999

993.11.94 1957-1959 B6002-7695

993.11.95 1959-1961 B7700-9300

993.11.96 1961-1962 B9301-9999

993.11.97 1962-1963 B2001-2700

993.11.98 1963-1964 B2701-3535

993.11.99 1965-1966 B3536-4451

993.11.100 1966-1970 B4452-5499

993.11.101 1970-1971 B5500-6501

Subseries **Work Order Ledgers**

['S' Special Contract Fabrication]

993.11.102 1959-1960 S1-200

993.11.103 1960-1965 S201-694

993.11.104 1965-1966 S101-414

993.11.105 1967-1969 S1001-1228

Subseries **Work Order Ledgers**

[Pulp and Paper Ships]

993.11.106 1945-1955 DH1-436

Subseries **Work Order Ledgers**

[Shipyard Work Contract 'Extras']

993.11.107 1950-1975 VE1-678

Subseries **Journal Vouchers**

993.11.108 1931-1941

993.11.109 1941-1948

993.11.110 1949-1954

993.11.111 1954-1959

993.11.112 1960-1965

993.11.113 1966-1971

993.11.114 1972-1975

Subseries **Construction Ledgers**

993.11.115 1910-1917 Transfer Construction Ledger Hulls 1-12

993.11.116 1917 Construction Ledger Hulls 18-19

993.11.117 1917 Construction Ledger Hulls 20-21

993.11.118 1917 Construction Ledger Hulls 20-21 (duplicate)

993.11.119 1917-1918 Construction Ledger Hulls 22-27;31-38

993.11.120 1918 Construction Ledger Hull 28

993.11.121 1917 Construction Ledger Hull 29
993.11.122 1918 Construction Ledger (unbound) Hulls 39-40
993.11.123 1918 Construction Ledger Hulls 39-40 (duplicate)
993.11.124 1918 Construction Ledger Hull 41
993.11.125 1919 Construction Ledger Hull 42
993.11.126 1920 Construction Ledger Hull 43-44
993.11.127 1919 Construction Ledger Hulls 43-44
993.11.128 1920 Construction Ledger Hulls 45-46
993.11.129 1940-41 Construction Ledger Hulls 51-54
993.11.130 1940-41 Construction Ledger Hull 57
993.11.131 1942 Construction Ledger Hull 60

Subseries **Construction Ledgers**

993.11.132 1941 Construction Ledger Hulls 63-65
993.11.133 1942 Construction Ledger Hulls 66-67
993.11.134 1942 Construction Ledger Hulls 70-73
993.11.135 1942 Construction Ledger Hulls 74-75
993.11.136 1943 Construction Ledger Hulls 78-79
993.11.137 1943 Construction Ledger Hulls 81-83
993.11.138 1941-1945 Construction Ledger/Engines 512-527
993.11.139 1945 Construction Ledger Hulls 97-99
993.11.140 1946 Construction Ledger Hull 99

- 993.11.141 1947 Construction Ledger Hulls 100-103
- 993.11.142 1950 Construction Ledger Hull 106
- 993.11.143 1951 Construction Ledger Hull 108
- 993.11.144 1951 Construction Ledger Hull 108 [cont.]
- 993.11.145 1952 Construction Ledger Hull 109
- 993.11.146 1951 Construction Ledger Hull 110
- 993.11.147 1953 Construction Ledger Hull 113
- 993.11.148 1953 Construction Ledger Hull 114
- 993.11.149 1956 Construction Ledger Hull 119

Subseries Construction Ledgers

['M' Millwork]

- 993.11.150 1945-1946 Construction Ledger M Work
- 993.11.151 1951-1955 Construction Ledger M Work
- 993.11.152 1955-1956 Construction Ledger M work
- 993.11.153 1956-1967 Construction Ledger M Work
- 993.11.154 1937-1953 Construction Ledger B Work

Subseries **Appraisals**

- 992.50.1 1916 Appraisal: Western Drydock and Shipping Co.
- 992.50.2 1916 Property and Depreciation Ledger
- 992.50.3 1922 Appraisal: Port Arthur Shipbuilding Co. I [Bldg]
- 992.50.4 1922 Appraisal: Port Arthur Shipbuilding Co. II [Equip]

1996.7.10 1922 Appraisal. Machine Lists, Etc.

992.50.5 1940 Appraisal: Port Arthur Shipbuilding Co. I
Construction and Summaries

992.50.6 1940 Appraisal: Port Arthur Shipbuilding Co. II
Equipment

992.50.7 1944 Appraisal: Port Arthur Shipbuilding Co. I
Construction and Summaries

992.50.8 1944 Appraisal: Port Arthur Shipbuilding Co. II Equipment

1996.7.10.1 1975 Appraisal. Port Arthur Shipbuilding Company
<Buildings, Fixed Plan Equipment, Mobile Equipment>

Subseries **Analytical Ledger/Operating Journals**

993.11.155 1912-1934 Operating Journal

993.11.156 1942-1944 Operating Journal

993.11.157 1948-1967 Analytical Ledger

993.11.158 1967-1971 Analytical Ledger

Subseries **Comparative Plant Overhead Statements**

993.11.159 1952-1972 (Ledger Bound)

Subseries **Individual Ledgers**

993.11.160 1911-1917 Individual Ledger A

Subseries **Closing Out Journals**

993.11.161 1966-1971 Closing Out Journal

Subseries **Pension Funds**

993.11.162 1961-1972 Pension Fund Ledger

GENERAL ACCOUNTING SERIES

The General Accounting Series consists mainly of ledgers dating from the early period of the company's operation and reflect the most basic of accounting procedures. This series has been divided into three subseries totalling 2.3 linear feet.

Journals General are the most basic and comprehensive of accounting journals providing all the information collected in subsidiary ledgers and in **Financial Statements** as well. For research purposes they can be consulted in the same manner as **Financial Statements**. They exist for the period 1910 to 1924 and cover a period for which no **Financial Statements** are extant. They comprehend approximately 8 inches.

Stock Ledgers document the purchase and transfer of company stock by the public. They are organized alphabetically by purchaser's name with a record provided of stock transactions. It consists of approximately 10 inches.

Miscellaneous material of an eclectic nature are collected together in another subseries. It consists of approximately 1 linear foot.

Subseries **Journals General**

993.11.163 1910-1916 General Journal

993.11.164 1916-1921 General Journal

992.50.9 1943 General Ledger

Subseries **Stock Ledgers**

993.11.165 1916-1920 Stock Ledger

993.11.166 1917-1927 Stock Ledger

993.11.167 1918-1919 Stock Ledger

Subseries **Miscellaneous**

993.11.168 Memorandum on Changes in Accounting System to be Adopted Jan 1 1939

992.50.10 1939-1940 Letterbook for Invoices

992.50.11 1920-1926 Tax Assessment Miscellaneous Notes

PURCHASING/SALES DEPARTMENT SERIES

The Purchasing/Sales Department controlled the procurement of all supplies needed, for manufacturing, and for the running and maintenance of the plant. Purchasing staff were responsible for the estimating of materials for production and regular inventories of stock in hand were produced. Product sales also came within the purview of this department. This series is divided into five subseries totalling 12 linear feet.

Subseries **Purchasing**

This subseries consists of several types of material. The bulk are **Purchase Orders**. A **Purchase Order** was the mechanism by which the procurement of materials - both finished and raw - from outside suppliers was controlled. **Purchase Orders** were numbered sequentially and included: the name and address of the supplier; the quantity and description of the goods; and the contract number or department against which to charge the invoice. All inbound supplies are catalogued in these ledgers. **Purchase Orders** exist for the period 1930 to 1952 with the bulk prior to 1942, and comprise xxx linear feet. It is useful to note that they are often bound slightly out of order in their ledgers. Up to 1942 **Purchase Orders** for all departments were bound together; after 1942 separate order books for each department (shipyard, pulp and paper, etc.) were kept.

Distribution of Stores Received ledgers catalogue standard types of supplies, both finished goods and raw materials, as received, and from which suppliers. Suppliers are listed alphabetically on the vertical ledger and the goods by type are listed horizontally. The

ledger is organized on a monthly basis. **Distribution of Stores Disbursed** list standard supplies received as above, and traces to which department of manufacturing they are distributed. They manufacturing departments are listed by lettered code as described in **Work Order Ledgers** above and organized on a monthly basis. **Stock Record Transfer Ledger** is a journal of a similar nature, listing standard supplies, inventories on hand, received, and disbursed. These three associated journals exist for the period 1958-1968 and total approximately xxxx linear feet. **Wartime Shipbuilding** is a postwar (1946) listing of naval surplus material available for commercial purchase; goods listed with suppliers: 5 linear inches.

Subseries **Sales**

Sales Ledgers were compiled by sales staff of this department and provide information complementary to **Construction Ledgers**: retail prices for jobs completed, with work order number, and company to be invoiced are listed. Sales are credited to each department by work order number. **Sales Ledgers** are extant from 1949 to 1973. **Price Books** list Port Arthur retail prices of standard parts and fittings and raw material - used to estimate job quotes. Organized alphabetically by part name and available only for 1917. This subseries totals 1 linear foot.

Subseries **INVENTORY**

Inventory Records kept of stock on hand used for manufacturing; these list materials by type with quantities and retail prices.

Inside Inventory listed company fixed assets such as plant, machinery, and hand tools. These records date to 1918-23 and complement **Appraisals** in the **Intermediate Accounting/Statements_Series**. This subseries comprises 7 inches.

Subseries **Estimates**

Estimates of material and labour are a natural function of any manufacturer. For the Port Arthur **fonds** formal estimate books are

extant only for metallurgical casting patterns - no date - and general estimates from the accounting department for 1960. Note that repair estimates may be found in the **Engineering/Production Series**. Total 1 inch.

Subseries **Miscellaneous Purchasing/Sales**

Extant are a selection of **Purchase Orders** originating from Collingwood Shipyards for a specific contract dating to 1949 for the French government. These total 2 linear inches.

Subseries **Purchasing**

993.11.169 1930 Purchase Orders 8649-10080

993.11.170 1931 Purchase Orders 10081-11129

993.11.171 1932 Purchase Orders 11130-11735

993.11.172 1933 Purchase Orders 11736-12499

993.11.173 1934 Purchaser Orders 12500-13401

993.11.174 1935 Purchase Orders 13402-14427

993.11.175 1936 Purchase Orders 14428-15050/1-716

993.11.176 1937 Purchase Orders 717-2751

993.11.177 1938 Purchase Orders 2752-4344

993.11.178 1939 Purchase Orders 4345-5721

993.11.179 1940 Purchase Orders 5722-6000/1-1500

993.11.180 1940 Purchase Orders 1501-3697

993.11.181 1941 'Out' Orders 3698-6099

993.11.182 1941 'Out' Orders 6100-8450

993.11.183 1942 'Out' Orders 8451-10000

993.11.184 1942-1986 Purchase Orders for Pattern Shop
993.11.185 1952 Purchase Orders [for ship] **Sir James Dunn**
993.11.186 1952 Purchase Orders [for ship] Hull 110.
993.11.187 1966-1968 Distribution of Stores Received Ledger
993.11.188 1961-1965 Distribution of Stores Disbursed Ledger
993.11.189 1958-1961 Stock Record Transfer Ledger
993.11.190 1946 Wartime Shipbuilding Ltd. Claims and Surplus
Division. Inventory of Surplus Material and Equipment.

(A government published catalogue)

Subseries **Sales**

993.11.191 1949-1953 Sales Ledger
993.11.192 1954-1970 Sales Ledger
993.11.193 1971-1973 Sales Ledger
993.11.194 n.d. Price Book
993.11.195 1917 Price Book

Subseries **Inventory**

993.11.196 1918-1923 Inventory Record (Stock on hand)
993.11.197 n.d. 'Inside' Inventory (Plant and machinery)

Subseries Estimates

993.11.198 Estimates of lumber and labour (Pattern Shop)
993.11.199 1960 Estimates

Subseries Miscellaneous Purchasing/Sales

993.11.200 1949 Purchase Orders from Collingwood Shipyards for French Hopper Barges Contracts.

ENGINEERING/PRODUCTION SERIES

This series consists of the textual records from the design, manufacturing and ship repair division of Port Arthur shipyards as well as the journals documenting the building and maintenance of the plant and machinery. The series' strength lies in the 'nitty-gritty' details of production, and repair estimation and contract negotiation. A survey of the many thousands of casting patterns produced by the company reveals with an striking immediacy the diversified capabilities of the company. For descriptions of the many procedures and materials that go into the building of a ship, the researcher is referred to the Intermediate Accounting/Statements Series Construction Ledgers which log labour and material by the job and job type. Within the series under discussion there is detailed construction information of this type in the Work Orders subseries described below. For design details of the new hulls built, the researcher is referred to the Ship Plans Subgroup. For textual data regarding ship repairs and the construction of new hulls the reader is directed to the Ship Repair and Construction Contracts Subseries below: here is to be found the bulk of the yard repair and construction estimates, and the engineering and contract correspondence within the fonds. Remark that earlier estimates are to be found within the Intermediate Accounting/Statements Series, however later company practice kept repair and construction estimates (made by the yard superintendent), engineering specifications, and repair contract papers together in one folder under the designated job file. In order to preserve original order these repair files have been kept intact. This series is currently divided into seven subseries totalling 26 linear feet and approximately 250 photographs.

Subseries Pattern Books

These journals document the wooden casting patterns, and by extension, the machinery parts, produced by Port Arthur Shipyards. The books fall into three distinct categories. One set is of Indices listing patterns by code with description; indices may

include the contract or hull for which it was produced. A second set of books are Production Records, which document a batch production of machinery parts by the foundry using a specific pattern; this lists the pattern number, work order, metal used and weight of metal. The third set, Pattern Production Records, records the production of the wooden patterns themselves. The records extant are very comprehensive and the date range is 1916 to 1988 - however they are poorly dated prior to 1948. They total approximately 1.9 linear feet.

Subseries Work Orders

These Work Orders dictated the actual work to be done in the yard or shops. They were sent to the foremen in each department authorising and describing each job. Departments are coded as described above in Intermediate Accounting/Statements Work Order Ledgers; customer name, description of work and foreman's name are included. The date range is 1938 to 1986, however the record is quite sporadic. Total of 3 linear feet.

Subseries Drydock Books

These books journal the vessels drydocked for repair at Port Arthur and date from 1911 to 1966 inclusive. Vessel name, company name, and details of the repair job with costings are listed. Organized by date. They total approximately 4 inches.

Subseries Powerhouse Logs

Powerhouse Logs record the daily usage of power generators, fire pumps, and compressors. The Powerhouse Adjustment Books document the repairs and overhauls to the plant equipment and log the power consumption in kilowatt hours. The journals exist from 1915 to 1980 inclusive and total approximately 1.25 linear feet.

Subseries Engineering Correspondence

Engineering Correspondence is organized generally by hull or contract number and contains correspondence directly pertaining to

the design and construction of a ship or pulp and paper machinery. The nature of the material may be that of design calculations, material and parts orders, contract 'extras', drawing requests, and ship specifications. The material is rather mixed, including correspondence from the 1930s and 1970s. It totals approximately 7.5 linear feet.

Subseries Ship Repair Contracts

This subseries consists of repair and ship conversion files, each file containing all the documentation pertaining to a given job, including; estimates, extras, "Ship Repair Work Order Reports", engineering correspondence, contracts, progress photographs and some invoices. Some files are devoted to new hulls under construction such as the Atlantic Superior which was partially built at Portship, however new builds are in the minority. Remark that several of these document types, such as estimates, will have been seen arranged within the Purchasing-Sales Department Series. Later yard practice however, kept all records regarding ship repairs together in a single contract file maintained within the engineering department. These files, one per contract, are organized alphabetically by the vessel name, and secondarily by date. Currently the date range is 1973-1990 and the subseries comprehends 12 linear feet.

Subseries Progress Photographs

Although a graphic rather than textual medium, these photographs are intrinsic to the engineering record. They include photographs of new build vessels, extensions to the drydock, and shots of the foundry and machine shop interiors. The date range is 1952 to 1976; there are approximately two hundred black and white photographs, mostly 8x10 format. Photographed under contract to CSL and copyright transferred with collection.

Subseries Pattern Books

993.11.201 Record of Patterns [Index] nd

993.11.202 Record of Patterns [Index] nd

993.11.203 Pattern Storage [Index] nd

993.11.204 [Pattern Book Index] nd

993.11.205 1916-1948 Patterns for Steel Castings [Index]

993.11.206 Outside Contracts [Pattern Index] nd

993.11.207 1914-1923 Pattern Shop [Index]

993.11.208 1916-1955 Steel [Pattern Index]

993.11.209 Pattern Shop Record [Index] nd

993.11.210 ca.1940-42 Corvette Engines 503-507 [Pattern Index]

993.11.211 ca.1940-42 Corvette Engines 528-533 [Pattern Index]

993.11.212 PP940/941 [Pulp and Paper Machinery Pattern Index]
nd

993.11.213 Kenora Patterns [Index] nd

993..11.214 1920 Hayton Pumps [Pattern Index]

993.11.215 Thunder Bay PaperMill Pattern Records [Index] nd

993.11.216 H. Boilers & Patterson SS Lines [Patterns Index] nd

993.11.217 1948-50 Cast Iron Patterns [Production Record]

993.11.218 1956-60 Cast Iron Patterns [Production Record]

993.11.219 1961-66 Cast Iron Patterns [Production Record]

993.11.220 1966-73 Iron Patterns [Production Record]

993.11.221 1974-78 Iron Patterns [Production Record]

993.11.222 1978-85 Iron Patterns [Production Record]

993.11.223 1980-87 Cast Iron Patterns [Production Record]

993.11.224 1961-73 Brass Patterns [Production Record]

993.11.225 1973-88 Brass Patterns [Production Record]

993.11.226 1962-66 [Pattern Production Record]

Subseries Pattern Books

993.11.227 1961 Patterns Scrapped

Subseries Work Orders

993.11.228 1938-40 Work Orders AP6310-7123 [Pulp & Paper]

993.11.229 1940-42 Work Orders AP7124-8000 [Pulp & Paper]

993.11.230 1936-66 Work Orders C452-2175 [Plant Maintenance]

993.11.231 1970-80 Work Orders A1-207 [Shipyard Work]

993.11.232 1980-86 Work Orders M530-655 [Millwork]

Subseries Drydock Books

992.50.12.1 1911-18 Vessels Drydocked

992.50.12.2 1919-27 Vessels Drydocked

992.50.12.3 1927-35 Vessels Drydocked

992.50.12.4 1935-41 Vessels Drydocked

992.50.12 1941-45 Vessels Drydocked

992.50.13 1945-50 Vessels Drydocked

992.50.14 1950-56 Vessels Drydocked

992.50.15 1956-64 Vessels Drydocked

992.50.16 1964-66 Vessels Drydocked

Subseries Powerhouse Logs

993.11.233 1915-20 Minute Book [Powerhouse Log]

993.11.234 1921-22 [Powerhouse Log]

993.11.235 1922-24 [Powerhouse Log]

993.11.236 1924 Record [Powerhouse Log]

993.11.237 1927-29 [Powerhouse Log]

993.11.238 1929-34 Minute Book [Powerhouse Log]

993.11.239 1934-36 Record Powerhouse

993.11.240 1936-38 Powerhouse Record

Subseries Powerhouse Logs

993.11.241 1938-41 Powerhouse Record

993.11.242 1941-45 Powerhouse Record

993.11.243 1945-50 Powerhouse Record

993.11.244 1950-55 Powerhouse Record

993.11.245 1955-60 Powerhouse Record

993.11.246 1960-65 Powerhouse Record

993.11.247 1966-70 Powerhouse Record

993.11.248 1970-73 Powerhouse Record

993.11.249 1973-77 Powerhouse Record

993.11.250 1977-80 Powerhouse Record

993.11.251 1921-76 Powerhouse Records: Repairs, Adjustments

993.11.252 1918-50 [Power Production/Consumption]

Subseries Engineering Correspondence

992.50.17 1951 Hull 106 Imperial Redwater Correspondence

992.50.18 1954 Hulls 107-108 Chaleur, Quinte Correspondence

992.50.19 1952-71 Hulls 109-111,113,123,124,126,127; Sir James Dunn,Thunder Bay, E.B. Barber, Paterson, LA Learmonth Scotty Gall, HBC1001,HBC1002 Correspondence

992.50.20 1930 Sportimer Files [Clock for sports arenas]

992.50.21 1951-57 Miscellaneous data files for: NM Paterson, Soodoc, TR McLagan, HMCS Sault Ste Marie, HMS Marine Imperial Redwater, Chaleur, Sir James Dunn, Thunder Bay

992.50.22 1950 Miscellaneous Ship Drawings. Prints

992.50.23 1975-78 Repairs, Refits, List of Spare Parts; Corres.

992.50.24 Offsets. Tug C1271, Hull 144

992.50.25 Material Book for Hulls 63-68 and Drydock list 1948.

993.11.253 Drawing/Photograph Reference Book for Pulp and Paper Machinery

993.11.254 Port Arthur Standard Parts Drawings. Bound.

Subseries Ship Repair Contracts

1996.7.11

1982 Gulf Gatineau

1981 Hudson Transport

1980 John A. France [two files]

1982 John B. Aird

1980 John O. McKellar

1982 Lake Nipigon

1973 Lake Manitoba

1978 Lake Manitoba

1981 Lakeshell

1980 Lake Winnipeg [two files]

1982-83 Montcliffe Hall

1982 Nipigon Bay

1976-83 Nokomis [two files]

1982 Robert S. Pierson

1979-83 TYL 586 Queensville [four files]

1982 Thunder Cape

1982 Lake Wabush

1996.7.12

1979 Frankcliffe Hall Conversion. Specifications

1979 Frankcliffe Hall Conversion. Drawing List

1996.7.13

1981-82 'A' Miscellaneous Repairs

1982-83 Management and Evaluation of Air Cushion IceBreaker

1982 Agawa Canyon

1978 Algobay

1981 Algolake

1981 Algosoo

1981 Algoway

1981 Algowood

1980-84 Alexander Henry Drydock and Refit [four files]

1982 Fort St. Louis

1982 Gantry Crane and Water Tower Dismantling [Shipyard]

1982 Gulf Canada

1982 Georgian Bay

1981 J.N. McWatters

1981 Lakeshell

1981 Lake Wabush

1981 Maplecliffe Hall

1980 Manitoulin

Subseries Ship Repair Contracts

1996.7.14

1980-81 Nanticoke [three files]

1981 Nokomis

1980 Ottercliffe Hall

1980 Pascol [Tug]

1979-80 Pearl Equipment. [Lathe modifications for Shipyard use.]

1981 Robert John
1981 Simcoe
1981 Sir James Dunn
1980 Silver Isle
1981-82 Senator of Canada
1979-81 Salvager [Barge. three files]
1981 St. Lawrence Conversion to Self Unloader
1981 Stadacona [two files]
1979-80 Tadoussac [three files]
1979 Tarantau
1980 Verendrye [two files]
1978 Welcome
1996.7.15
1983 Baie St. Paul
1984 Black Bay
1983-84 Frontenac
1982-83 Georgian Bay
1980-81 Hochelaga [four files]
1983-84 Jean Parisien [two files]
1980 J.W. McGiffin
1981 J.R. McLagan

1982 Louis R. Desmarais

1985 Manitoulin

1982-83 Murray Bay

1984-85 Nanticoke. Grounding. [four files]

1978-79 Quetico

1982-83 Richelieu

1981 Rimouski

1982-84 Saguenay [three files]

1996.7.16

1982-1984 Atlantic Superior [6 files]

1982 Atlantic Superior Specifications

and Thunder Bay. Account List

Subseries Ship Repair Contracts

1996.7.17

1984 Algolake

1983 Algosoo

1983 Arctic Canada

1983 Eastern Shell

1984 Imperial Bedford

1984-85 Jensen Star

1983 John B. Aird [two files]

1983 Lake Manitoba

1984-85 Laketon

1983 CCGS Namao

1983 HMCS Nipigon

1984 Oakglen

1984 Saskatchewan Pioneer

1984 Split Dump Scows. Supply and Services Canada

1982 V.W. Scully

1983 Senneville

1982-85 Simcoe [three files]

1984 Simon Fraser. Supply and Services Canada.

1983 Sir Humphrey Gilbert

1976, 1981-84 St. Lawrence [four files]

1983-86 Stadacona [three files]

1985 Tadoussac

1984-85 Tarantau [three files]

1984 Thorold

1984 Whitefish Bay

1984 Willowglen

Subseries Ship Repair Contracts

1996.7.18

1986-88 Algobay [two files]
1987 Algocen
1987-88 Algorail [three files]
1986 Algosoo
1987 Algosound
1986-87 Algoway [two files]
1987 Algowest
1984-86 Algowood [three files]
1987 Annislee
1986 Canada Marquis
1987 Captain Henry Jackman
1987 Charles E. Wilson
1987 Coastal Canada
1986 Comeaudoc. Carbon Dioxide Discharge. [two files]
1987 Donald Mac
1987 Elmglen
1987 Erie West
1986 Fred Broennle [tug]
1985-87 Frankcliffe Hall
1990 CCGS Griffon [two files]
1986-87 J.N. McWatters

1987 Lady Fortune
1986 Lake Wabush
1988 Mackinaw
1986 McAshphalt Barge
1985 Mela
1988 Misener Ships from HallCo
1987 Pascol [tug]
1986 Paterson
1996.7.19
1984-88 Queensville
1988 Peter Misener
1986-88 Ralph Misener
1988 Ranger
1987 Robert John
1988 Roger Kyes
1986-89 CCGS Samuel Risely [five files]
1987 Saskatchewan Pioneer [two files]
1988-90 Senneville [two files]
1986 CCGS Simcoe
1986 Texaco Brave [two files]
1986 Texaco Chief

1986 Thunder Bay Harbour Improvements

1984,89 Vandoc [two files]

1989 W.M. Vacy Ash

1988 Wilfred M.Cohn [tug]

1987 Woodland

Subseries Ship Repair Contracts

1996.7.20

1989 Agawa Canyon

1989 Algolake

1987-88 Algorail [three files]

1988 Arctic

1988 Canada Marquis

1989 Cartierdoc

1988 David K. Gardiner

1990 CCGS Griffon. Refit. [two files]

1989 Incan Superior

1985 John A. France

1988-89 John B. Aird

1988 Kiisla

1986 Lake Nipigon

1988 Lac Seul [barge]

1988 Le Brave

1988 Le Frene

1996.7.21

1988 Atlantic Erie [ex Hon. Paul Martin]

1985 Atlantic Superior

1988 Black Bay

1987-88 Baie St. Paul [three files]

1987 Canadian Mariner

1987-88 Canadian Olympic [two files]

1988 Canadian Prospector

1988 Canadian Transport [two files]

1988 CSL Ships from HallCo

1986 Frontenac

1983-87 Hon. Paul Martin [three files]

1988 James Norris

1986 Jean Parisien

1986-88 Manitoulin

1996.7.22

1987-88 Murray Bay [two files]

1984, 1988-89 Nanticoke. Including Drydocking Specifications
[three files]

1984-87 Prairie Harvest [three files]

1988 Quebecois

1985-88 Richelieu [two files]

1985-87 Rimouski [two files]

1987 Saguenay

1984,88 Tadoussac [two files]

1988 Winnipeg

1996.7.23

1981 Air Cushion Icebreaker Contract and Engineering Correspondence

Subseries Progress Photographs

993.11.255 1952-56;1965;1969 Aircraft plant photographs, Drydock extension, conversion of Whitefish Bay, Scotty Gall

993.11.256 1969;1972;1976. LA Learmonth, Saguenay conversion, JW McGiffin Kort nozzle, English River, Gleneagles repair, miscellaneous shipyard pictures, foundry and machine shop interior pictures.

AIRCRAFT DIVISION SERIES

Port Arthur Shipyards developed for a short period an aircraft division. This collection contains a few miscellaneous engineering correspondence files totalling 1 inch.

993.11.257 ca. 1940s Miscellaneous engineering correspondence

GENERAL ADMINISTRATION SERIES

This series is composed of general administrative files and correspondence. Its contents are sporadic but maintain interesting correspondence with government agencies. It is composed of three subseries totalling 3.25 linear feet.

The first subseries General Administrative Correspondence includes insurance files. This material is very sporadic and exists only for the periods 1919-33 and 1938-48, with large gaps. It is organized alphabetically by subject and totals 2 linear feet.

A second subseries consisting of Government Correspondence dealing exclusively with governments and government agencies - this is a prime source for researching the company's efforts to establish and maintain government subsidy programmes and the firms' dealings with the Department of Munitions and Supplies. The date range is constrained to the 1930s and 1940s; the material totals approximately 2 linear feet.

The third subseries Lakehead Harbour Commission maintains the company correspondence with this entity for the year 1961. It totals 3 inches.

Subseries General Administrative Correspondence

993.11.258 ca.1933-48 Correspondence files 'A' through 'D', 'M' 'P', 'S' through 'W'.

993.11.259 1919-33 Insurance files.

Subseries Government Correspondence

993.11.260 ca 1930-40 Correspondence with federal government agencies and departments including Department of Munitions and Supplies.

993.11.261 1961 Lakehead Harbour Commission files

PERSONNEL DEPARTMENT SERIES

The records from the personnel department fall into two natural groupings: one deals with personnel records proper; the second deals with labour union agreements and negotiations appertaining.

The personnel records proper are very comprehensive with a date range from 1916 to 1969 inclusive. Theses documents exist in 3x5 and 8x10 file card format. The labour material date from 1954 to

1983 and consists of labour agreements with three separate unions and associations and the documentation of some negotiations in hand. The series is divided into five subseries. The overall date range is 1916-1983 and the material comprises 16 linear feet. Access to this series is restricted for 80 from date of creation. Access with written permission of the Director.

Subseries Personnel Records/Surname

This forms the bulk of the series. The personnel records of all Port Arthur production and administrative staff are included from 1916 through 1969. The material is organized alphabetically by surname and provides personal biographical information along with the work record: surname and Christian names; ethnic origin or nationality; place and dates of birth; religion; dates of hiring and laying off; departmental occupation and rates of pay. Each card includes holograph signature of the employee and the company general manager. Total of 10 linear feet.

Subseries Departmental Personnel Records

This material is organized by company department and by surname within each department. The information duplicates that found in the Personnel Records/Surnames subseries; these cards were simply an administrative tool. The dates are limited to 1940-50. Total of 1 linear foot.

Subseries Wartime Replacement Workers Records

This subseries is a departmental listing of personnel and documents replacement workers for those men lost to the draft. There is a large proportion of female production workers in the record. There is extensive managerial comment on the performance of these new additions to the production workforce - both positive and negative - including the reasons for the high attrition rate amongst the women workers. Totals 1 linear foot

Subseries Day-Work Time Sheets

This subseries consists of one thousand nine hundred ninety-four file cards tracking the working time of casual employees hired in 1920. The cards list the workers by number and name, and record their religion, marital status, address and time logged. The material is organized by worker number rather than by surname so access to individuals is difficult. The material has been placed here rather than in the Payroll Series because the cards contain more useable biographical data than payroll information. The date range is 1920 and the material comprises 1 linear foot.

PERSONNEL DEPARTMENT SERIES

Subseries Labour Relations

Note: Certain Restrictions Apply

The papers in this subseries consist of final agreements between Port Arthur Shipyards (employer) and the unions representing its labour force (1954-83). There are also several files documenting the process of negotiations for select years (1958,61,63,65,78 and 1983). The overall date range is 1954-1983 and the material comprises 3 linear feet.

Subseries Personnel Records/Surname

993.11.262 1916-55 Surnames A-Ch

993.11.263 1916-55 Surnames Ci-Ger

993.11.264 1916-55 Surnames Ger-I

993.11.265 1916-55 Surnames J-Mas

993.11.266 1916-55 Surnames Mas-Pen

993.11.267 1916-55 Surnames Pen-Sop

993.11.268 1916-55 Surnames Sop-Z

1996.7.1 1942-1969 Surnames A-C

1996.7.2 1942-1969 Surnames D-H

1996.7.3 1942-1969 Surnames I-M

1996.7.5 1942-48 Surnames N-R

1996.7.27 1942-69 Surnames S-Z

Subseries Departmental Personnel Records

993.11.269 1940-50 Departmental List Surnames A-Z

Subseries Wartime Replacement Workers Records

993.11.270 1942-45 Departmental List (incomplete) 1996.7.1 1942-1969 Surnames A-H

Subseries Day-Work Time Sheets

1996.7.4 1920 Day-Work Time Sheets Numbers 1-1994. Names included after worker number.

Subseries Labour Relations

1996.7.24

1958-59 Negotiations re. Agreement United Steelworkers of America

1958 Negotiations re. Agreement American Federation of Labour

1961 Negotiations with joint Negotiating Committee: Steelworkers, Pipefitters, Carpenters, Painters (Incomplete)

1965 Labour Agreement [with] American Federation of Labour, including members list by seniority.

1983 Lockout and Negotiation Correspondence

1978 Negotiations International Union of Operating Engineers

1980 Negotiations International Union of Operating Engineers

1980 Negotiations United Steelworkers of America

1996.7.25

1944 American Federation of Labour Agreement

1946 American Federation of Labour Agreement

1948 American Federation of Labour Agreement

1950 American Federation of Labour Agreement

1952 American Federation of Labour Agreement

1953 American Federation of Labour Agreement

1954 American Federation of Labour Agreement

1954-55 American Federation of Labour Agreement

1955-56 American Federation of Labour Agreement

1956-58 American Federation of Labour Agreement

1957 American Federation of Labour Agreement

1958-59 American Federation of Labour Agreement. Int. Union of
Operating Engineers

1958 American Federation of Labour Agreement

1959-61 American Federation of Labour Agreement

1961-62 American Federation of Labour Agreement

1962-64 American Federation of Labour Agreement

1964-67 American Federation of Labour Agreement

1967-70 American Federation of Labour Agreement

1970-73 American Federation of Labour Agreement

1973-76 American Federation of Labour Agreement

1976-78 American Federation of Labour Agreement

1978-80 American Federation of Labour Agreement

1980-83 American Federation of Labour Agreement

1973-76 International Union of Operating Engineers [Agreement]

1978-80 International Union of Operating Engineers [Agreement]

1976-78 Office and Professional Employees International Union
Labour Agreement

1978-80 Office and Professional Employees International Union
Labour Agreement

1980-83 Office and Professional Employees International Union
Labour Agreement

1983-86 Office and Professional Employees International Union
Labour Agreement

Subseries Labour Relations

1996.7.26

1953-54 Industrial Union of Marine and Shipbuilding Workers
[Agreement]

1954-55 United Steelworkers of America [Agreement]

1955 United Steelworkers of America [Agreement]

1956-58 United Steelworkers of America [Agreement]

1958-59 United Steelworkers of America [Agreement]

1959-61 United Steelworkers of America [Agreement]

1962-64 United Steelworkers of America [Agreement]

1964-67 United Steelworkers of America [Agreement]

1967-70 United Steelworkers of America [Agreement]

1970-73 United Steelworkers of America [Agreement]

1973-76 United Steelworkers of America [Agreement]

1976-78 United Steelworkers of America [Agreement]

1978-80 United Steelworkers of America [Agreement]

1980-83 United Steelworkers of America [Agreement]

1983-86 United Steelworkers of America [Agreement]

SUBGROUP GRAPHIC RECORDS

SHIP AND SHIPYARD PLANS

This main subgroup division is divided into eleven series consisting of two separate accessions (992.51 & 993.10), totalling 1000 plans. The strength of the material lies in its detailed depiction of the Port Arthur yard, buildings and drydock, and the site equipment as originally installed in 1909-1910. In conjunction with textual information contained in Appraisals and photographic evidence from associated collections in the archives, this early Canadian shipyard could be reconstructed by the historian in rigorous detail. The bulk of the ship plans are products of Port Arthur, or its sister yard Collingwood. The majority of the ship plans consist of detail and machinery plans, however some general arrangements of vessels dating from the early production, such as the War Hathor of 1918 and Canadian Runner of 1919 are included. In conjunction with other collections of Port Arthur ship plans held by the Marine Museum, this collection completes a very comprehensive set of draughts documenting virtually the full range of the firm's production.

Site Plans

992.51.1 Sounding and Elevations 08/08/09

992.51.2 Drydock Reinforcing Iron 09/14/09

992.51.3 Office Building 11/08/09

992.51.4 Blacksmith Shop 11/08/09

992.51.5 Machine shop 11/08/09

992.51.6 Joiner Shop (blue) 11/08/09

992.51.7 Joiner Shop (linen) 11/11/09

992.51.8 Pattern Shop and Storage 11/12/09

992.51.9 Dry Dock (Cross Section) 11/12/09

992.51.10 Dry Dock - Concrete Portal 11/12/09

992.51.11 Dry Dock - General Plan 11/12/09

992.51.12 Building Berths - x section 11/12/09

992.51.13 Keel blocks, Bilge Blocks, Screen gate for drain, Grating top of drain 11/12/09

992.51.14 Details of Steel for Portal, Dry Dock 11/12/09

992.51.15 Plan showing the Property of the Western Dry Dock Co. 01/20/10

992.51.16 Cross-section through Punch 07/07/10

992.51.17 Crane runway for shipyard Traveller 07/21/10

992.51.18 Crane Runway over bldg berth 07/26/10

992.51.19 Crane Runway Strut and Girder 07/28/10

992.51.20 Crane Runway Columns 08/01/10

992.51.21 Crane Runway 08/04/10

- 992.51.22 Crane Runway 08/04/10
- 992.51.23 Arrangement of Girders & Ladders in Pumpwell, Dock # 1 08/10/10
- 992.51.24 Buildings erected and Proposed location of others 04/--/11
- 992.51.25 Channel Girders and Roof Channels c. 1911
- 992.51.26 Arrangement of Steel work in Furnace and Slab Buildings c. 1911
- 992.51.27 Columns in Furnace and Slab Buildings c. 1911
- 992.51.28 Details of Columns for the Stockyard Runway c. 1911
- 992.51.29 Buildings as Originally Proposed 05/15/11
- 992.51.30 1st Floor Plan of Office Building 05/17/11
- 992.51.31 2nd Floor Plan of Office Building 05/17/11
- 992.51.32 Section Thro' Centre of Office Building 05/17/11
- 992.51.33 Section Thro' Eaves of Office Building 05/17/11
- 992.51.34 Section thro' Sill of Office Building 05/17/11
- 992.51.35 Details of Roofing for Boiler Shop 05/23/11
- 992.51.36 Doors and Windows, Boiler Shop 09/06/11
- 992.51.37 Detail of Roof trussing, Warehouse 09/15/11
- 992.51.38 Detail of Columns, Warehouse 09/19/11
- 992.51.39 Detail of Bracing 09/21/11
- 992.51.40 Skylights & Upper Windows, Boiler Shop 09/21/11
- 992.51.41 Details of Purlins and Lintels, Warehouse 09/23/11

992.51.42 ---- Diagram, Warehouse 09/26/11

992.51.43 Warehouse, Elevation 11/13/11

992.51.44 Breeching and Stack 06/03/12

992.51.45 Foundry, Detail of Lean-To trusses 07/15/12

992.51.46 General Drawing, Foundry 09/20/12

992.51.47 Foundry Foundation Plan 05/21/13

992.51.48 General Drawing of Foundry 09/20/12

992.51.49 Pump Foundation 01/26/17

992.51.50 General Arrangement of Machine Shop 01/30/18

992.51.51 Apparatus in Sub-station (general arrangement)
10/31/19

992.51.52 Fire Escape for Office Building 03/29/20

992.51.53 Corrugated Iron Roof Over Plate Furnace and Riggers
Office 04/10/20

992.51.54 Rearrangement of warehouse (Blue) 11/24/20

992.51.55 Rearrangement of warehouse (Blue) 11/24/20

992.51.56 Underground Pipelines in the Yard 11/12/58

992.51.57 Girder G1-2 Thus for Furniss Annex nd

992.51.58 Substation nd

992.51.59 Joiner Shop 2nd floor (general arrangement) nd

992.51.60 panoramic view nd

992.51.61 angle shop and bending slab (general arrangement)
(linen)nd

992.51.62 angle shop and bending slab (general arrangement)
(blue)nd

Site Equipment

992.51.63 80 ton shear legs 11/08/09

992.51.64 arrangement of Pumping Machinery for dry Dock #1
08/09/10

992.51.65 Motor Foundations for #1 dry dock Pumps 08/09/10

992.51.66 arrangement of Pumping Machinery for Dry-dock No. 1
08/10/10

992.51.67 General Arrangement, upper end Port Arthur Sheer Legs
40/26/11

992.51.68 Locking Device for Hoisting and racking Gears - 70 ton
Sheer legs 04/26/11

992.51.69 details of 70 ton Sheerlegs 04/26/11

992.51.70 Single Shear Block 70 ton sheer legs 04/26/11

992.51.71 Diagram of 70 ton Sheer legs 04/26/11

992.51.72 Boiler Shop tools 10/05/11

992.51.73 Annealing Furnace for Boiler Shop 07/17/11

992.51.74 Jogging Machine 03/28/12

992.51.75 Proposed Portable Boiler on wheels 01/28/15

992.51.76 Three ton Jib Crane for Blacksmith shop 02/04/15

992.51.77 Cylinder and slide valve for 8 1/4" x 10" Hoisting Engine
02/09/15

992.51.78 Joiner Shop shavings exhaust 12/--/18

992.51.79 Trestle for Joiner Shop Shaving Exhaust 12/--/18

992.51.80 Details of 7" x 12" winch 02/10/20

992.51.81 Belt Shifter for 10-14" belts 07/14/21

992.51.82 Machine Shop arrangements revised 05/26/38

992.51.83 Detail of Rivet Furnace for Boiler Shop nd

992.51.84 radial drill details, Boiler shop nd

992.51.85 Vertical drill press Boiler shop nd

992.51.86 Vertical drill Press, Boiler Shop nd

992.51.87 Vertical Drill Details, Boiler Shop nd

992.51.88 Dallett Drill details, Boiler Shop nd

992.51.89 Dallett drill details, Boiler Shop nd

992.51.90 Plate Furnace nd

Engines and Related Parts - P.A. produced or modified

992.51.91 Fixtures for horizontal tubular Boiler 05/18/12

992.51.92 50 HP Internal Furnace Boiler (#1003)05/29/12

992.51.93 40 HP Return tube Boiler (#1002)05/31/12

992.51.94 France Fitting 07/23/13

992.51.95 Scotch Boiler (#1009) 02/27/14

992.51.96 Scotch Boiler (#1008) 02/27/14

992.51.97 Furnace fittings (#1008)03/04/14

992.51.98 Square Fire Box Boiler (#1010) 06/02/14

992.51.99 Square Fire Box Boiler (#1010) 06/02/14

992.51.100 Std. fixtures for 60" Horizontal tube Boilers 07/28/14
CT # 1022

992.51.101 engine room Gratings (Top View) 07/26/18 War Karma
War Horus

992.51.102 Engine room Gratings (side View) 07/26/18 War Karma
War Horus

992.51.103 Engine Room Gratings (with notes made 10/31/18)
07/26/18 War Karma War Horus

992.51.104 Boiler 01/16/19 Canadian Adventure Canadian Sower
Glenafton

992.52.105 Boiler Mountings (Blue) 03/25/20 CT #1019

992.51.106 Boiler Mountings (linen) 03/25/20 CT #1019

992.51.107 Boiler Mountings (blue) 04/03/20 CT #1018

992.51.108 Boiler Mountings (Blue) 04/03/20 CT # 1018

992.51.109 Boiler Mountings (linen) 04/03/20 CT # 1018

992.51.110 36" Furnace fittings 04/13/20 Ct # 1018

992.51.111 Boiler

992.51.112 Diesel Oil Fuel Tanks in Engine Room 07/16/42

992.51.113 Front Casing for 72" Boiler 09/30/42

992.51.114 Engine and Fan Seat and Diesel Oil Strainer Seat
10/06/42 Mariner Marmion Orcadia Ossory Pluto Polaris Pyrrhus

992.51.115 Ryertex Bearing Lubrication for Combined Knotter and
Coarse screen 03/20/42

992.51.116 engine Room Ladders and Grating 01/14/43

Engines and Related Parts - Plans Used at P. A. but Drafted Elsewhere

992.51.117 Lovekin Improved Ass't Cylinder for Int. Valve Gears
12/01/11 W. Grant Morden

992.51.118 Lovekin's Improved Ass't cylinder for Int. Valves
01/26/12

992.51.119 Engine Room gratings 07/13/12 W. Grant Morden

992.51.120 Special Fire Brick 06/18/13 W. Grant Morden

992.51.121 Boiler 06/18/13 W. Grant Morden

992.51.122 Boiler Stop Valve 07/08/13 W. Grant Morden

992.51.123 Boiler Mountings 07/16/13 W. Grant Morden

992.51.124 Furnace fittings 07/23/13

992.51.125 Int. Cylinder 12/13/13 Eng. #1143

992.51.126 L. P. Cylinder 12/13/13 Eng. #1143

992.51.127 steam Oil Heater 01/11/52

992.51.128 steam Oil Heater 01/11/52

992.51.129 arrgmt. for Hopkinson's No. 3 Centrifuge coupling
driven from motor with relief valve pumps for clean and dirty oil
01/11/52

992.51.130 arrgmt. for Hopkinson's No. 3 Centrifuge coupling
driven from motor with relief valve pumps for clean and dirty oil
01/11/52 992.51.131 2 1/2 compression grease cup 03/28/52 E. B.
Barber

Engine Parts - No Date

992.51.132 Engine and Boiler Piping n.d. W. Grant Morden

Ship Plans - Port Arthur drafted or modified

992.51.133 Companionway on Forecastle 05/19/00 W. Grant Morden

992.51.134 Turning Gear 03/17/04 W. Grant Morden

992.51.135 Rudder 04/30/12 W. grant Morden

992.51.136 Steering Gear 08/22/12 W. grant Morden

992.51.137 Arrangement of Bilge Drains 07/01/13 W. grant Morden

992.51.138 Swing Joints for Brews Pat. Flue Blower 08/07/13 W. Grant Morden

992.51.139 Outboard Del. Valve 07/19/13 W. Grant Morden

992.51.140 14" Sea Cock 08/08/13 W. Grant Morden

992.51.141 Main Steamline 08/08/13 W, Grant Morden

992.51.142 Main deck Manholes 08/14/13 W. grant Morden

992.51.143 Air sounding & fire line arrangement 10/07/13 W. Grant Morden

992.51.144 Details of Piping 10/11/13 W. Grant Morden

992.51.145 Details of Ash Gun 10/11/13 W. grant Morden

992.51.146 Pony Discharge Manifold 10/11/13 W. Grant Morden

992.51.147 Turning gear for 10" ventilator pipe 10/14/13 W. grant Morden

992.51.148 Whistle Pul No. 5 11/06/13 W. Grant Morden

992.51.149 Gangway Doors (tissue) 01/03/14 J. H. Plummer

992.51.150 Gangway Doors (blue) 01/03/14 J. H. Plummer

992.51.151 Steel Trapdoor for stairways 2/10/14 W. Grant Morden

992.51.152 General Arrangement of Pilot House telemotor 04/11/14

992.51.153 Inboard Profile 05/14/17 War Dance War Isis

992.51.154 Detail of Platform Forward 09/26/17 Naval Trawlers #1-6

992.51.155 General Arrangement of Freighter (blue) 01/18/18 War Osiris War Hathor War Karma War Horus

992.51.156 General Arrangement of Freighter (blue) 01/18/18 War Osiris War Hathor War Karma War Horus

992.51.157 General Arrangement of Freighter (linen) 01/18/18 War Osiris War Hathor War Karma War Horus

992.51.158 4 Bladed Propellor 01/18/18 War Dance War Isis War Osiris War Hathor

992.51.159 General Arrangement 08/06/18 Naval Trawlers #37 - 44

992.51.160 General Arrangement (copy) 08/23/18 Canadian Adventure Canadian Sower

992.51.161 Mid Ship Section 01/02/19 Canadian Adventure Canadian Sower

992.51.162 Rudder Details and Stern Post 01/02/19 Canadian Adventure Canadian Sower

992.51.163 General Arrangement 01/20/19 Canadian Sower Canadian Adventure

992.51.164 web Frames and Strong Beams c. 1919 Canadian Carrier Canadian Runner

992.51.165 Vertical Sliding Water Tight Door C. 1919 Canadian Carrier Canadian Runner

992.51.166 Floors and Plate Lines c. 1919 Canadian Carrier Canadian Runner

992.51.167 Details of Stem Bar c. 1919 Canadian Carrier Canadian runner

992.51.168 Sternpost c. 1919 Canadian Carrier Canadian Runner

992.51.169 Rudder c. 1919 Canadian Carrier Canadian runner

992.51.170 Detail of Engine Seating c. 1919 Canadian Carrier Canadian Runner

992.51.171 Casing top and Navigating Bridge c. 1919 Canadian Carrier Canadian runner

992.51.172 Poop, Bridge, and Forecastle end Bulkheads c. 1919 Canadian Runner Canadian Carrier

992.51.173 deck Steam and Exhaust c. 1919 Canadian Runner Canadian Carrier

992.51.174 Auxiliary Engine Seat c. 1919 Canadian Runner Canadian Carrier

992.51.175 Gun Seat and Poop deck house c. 1919 Canadian Carrier Canadian Runner

992.51.176 Detail and Location List of Manhole Covers c. 1919 Canadian Carrier Canadian Runner

992.51.177 Coal Bunker Bulkhead c. 1919 Canadian Carrier Canadian Runner

992.51.178 Arrangement of Bilge and Ballast Pipes c. 1919 Canadian Runner Canadian Carrier

992.51.179 Painting Scheme 01/14/20 Canadian Carrier Canadian Runner

992.51.180 Midship section 02/23/20

992.51.181 Table of Offsets 03/30/20 Canadian Harvester

992.51.182 Stern Frame and rudder 04/19/20 Glenafton

992.51.183 General Arrangement of Bulk Freighter (blue) 05/13/20

992.51.184 General Arrangement of Bulk Freighter (blue) 05/13/20

992.51.185 General Arrangement of Bulk Freighter (blue) 05/13/20

992.51.186 General Arrangement of Bulk Freighter (blue) 05/13/20

992.51.187 General Arrangement of Bulk Freighter (linen) 05/13/20

992.51.188 Bilge, Ballast, Air and Sounding Pipes 11/29/20

992.51.189 General arrangement 02/10/22 Mathewston

992.51.190 General arrangement 02/10/22 Mathewston

992.51.191 Painting Scheme (superimposed on a general arrangement) 02/20/22 Mathewston

992.51.192 Bulkheads 04/11/22 Mathewston

992.51.193 Bulkheads 04/11/22 Mathewston

992.51.194 rudder 05/02/22 Mathewston

992.51.195 Rudder Support and Yoke 05/10/22 Mathewston

992.51.196 Steering Engine Foundation 05/22/22 Mathewston

992.51.197 Spars 05/26/22 Mathewston

992.51.198 Spars 08/26/22 Grant Morden

992.51.199 Tug 02/24/27 James Whalen

992.51.200 Modifications to the Condenser 03/24/41 Corvettes

992.51.201 Opening sidelight with deadlight 06/28/41

992.51.202 Fixed sidelight with deadlight 07/08/41

992.51.203 Opening sidelight with portable cover 07/10/41

992.51.204 Chart Table on Compass Platform 12/17/41 Revised Corvettes

992.51.205 Number plates for Bulkheads 02/24/42 Algerine Minesweepers

992.51.206 Ventilation Name Plates 04/22/42 Bangor Minesweepers

992.51.207 Steam Heating, Lower deck 04/28/42 Algerines

992.51.208 Steam Heating, Upper and Forecastle decks 04/28/42 Algerines

992.51.209 Steel Mast Details 07/28/42 Algerines

992.51.210 Detail of door to Bridge deck office 08/16/42 Algerines

992.51.211 Streamline rudder 08/22/42 Algo steel

992.51.212 Air Pump Discharge Tank 09/23/42 Algerines

992.51.213 Streamline Rudder 02/18/43 Algocen

992.51.214 Ventilation Plates 02/19/43 Algerine

992.51.215 List of Key Tallies 03/15/43 Algerine

992.51.216 Standard Strum Box 03/22/43 Algerines, Oshawa, Kapuskasing, Rockcliffe, Fort Frances, New Liskeard

992.51.217 re-arrangement of CPO's and PO's M/S Mess, Port Side
03/30/43 Algerines

992.51.218 Ventilation Plates 04/28/43 Algerines

992.51.219 general Key Board 05/19/43 Algerines

992.51.220 Modifications to RDF House 12/03/43 Algerines

992.51.221 Modified RDF House 12/03/43 Algerines

992.51.222 Arrangement of Control gear for Emergency Bulkhead
Stop Valve 03/28/44 Algerines

992.51.223 Seating and H. D. Bolts for Lube Oil Clarifier and Diesel
Gen. Circ. Pump 04/14/44 Fort Frances New Liskeard

992.51.224 Seating and H. D. Bolts for Lube Oil Clarifier and Diesel
Gen. Circ. Pump 04/14/44 Mariner Marmion BATM ships

992.51.225 Flooding of D/ Magazine 04/26/44 BATM ships

992.51.226 Details of Gaskets on Scuttles, manholes etc. 05/02/44
Algerines BATM

992.51.227 Non Return Valve - compressed air discharge to bottles
09/22/44

992.51.228 Label Plates for Magazines 02/08/45 Mariner Marmion
Orcadia Ossory Pluto Polaris Pyrrhus

992.51.229 Trial Data Sheet - Bridge (Master) 05/26/48 Port Arthur
Ontario Erie Niagara Huron St. Laurent

992.51.230 Trial Data Sheet - Tank Soundings (Master) 05/27/48
Port Arthur Ontario Erie Niagara Huron St. Laurent

992.51.231 Trial Data Sheet - Engines (Master) 05/27/48 Port
Arthur Ontario Erie Niagara Huron St. Laurent

992.51.232 Trial Data Sheet - Starboard Engine 05/31/48 Port Arthur

992.51.233 Trial Data Sheet - Port Engine 05/31/48 Port Arthur

992.51.234 Trial Data Sheet - Bridge 06/04/48 Port Arthur

992.51.235 Trial Data Sheet - Bridge 06/04/48 Port Arthur

992.51.236 Trial Data Sheet - Port Engine 06/04/48 Port Arthur

992.51.237 Trial Data Sheet - Starboard Engine 06/04/48 Port Arthur

992.51.238 Trial Data Sheet - Port Engine 08/06/48 Ontario

992.51.239 trial Data Sheet - Starboard engine 08/06/48 Ontario

992.51.240 Trial Data Sheet - Bridge 08/09/48 Ontario

992.51.241 Trial Data Sheet - Port Engine 08/09/48 Ontario

992.51.242 Trial Data Sheet - Starboard Engine 08/09/48 Ontario

992.51.243 Trial data Sheet - Port Engine 09/11/48 Erie

992.51.244 Trial Data Sheet - Starboard Engine 09/11/48 Erie

992.51.245 Trial Data Sheet - Port Engine 09/14/48 Erie

992.51.246 Trial Data Sheet - Starboard Engine 09/14/48 Erie

992.51.247 Trial Data Sheet - Bridge 09/14/48 Erie

992.51.248 Trial Data Sheet - Bridge 09/15/48 Erie

992.51.249 Trial Data Sheet - Starboard Engine 09/15/48 Erie

992.51.250 Trial Data Sheet - Port Engine 09/15/48 Erie

992.51.251 Trial Data Sheet - Bridge 10/06/48 Niagara

992.51.252 Trial Data Sheet - Starboard Engine 10/06/48 Niagara

992.51.253 trial Data Sheet - Prot Engine 10/06/48 Niagara

992.51.254 trial data Sheet - Port Engine 10/06/48 Niagara

992.51.255 Trial Data Sheet - Starboard Engine 10/06/48 Niagara

992.51.256 Trial Data Sheet - Bridge 05/06/49 Huron

992.51.257 Trial Data Sheet - Port Engine 05/06/49 Huron

992.51.258 Trial Data Sheet - Starboard Engine 05/06/49 Huron

992.51.259 trial Data Sheet - Bridge 05/10/49 St. Laurent

992.51.260 Trial Data Sheet - Port Engine 05/10/49 St. Laurent

992.51.261 Trial Data Sheet - Starboard Engine 05/10/49 St.
Laurent

Plans originating in other shipyards

992.51.262 Propeller Blades American Shipbuilding Co. 01/05/13
Athabasca Alberta

992.51.263 Gear Guard for Deck Engine American Shipbuilding co.
07/09/13

992.51.264 Details of 8" x 10" Deck Engine American Shipbuilding
Co. 07/09/13

992.51.265 Details of Ballast Piping American Shipbuilding Co.
07/26/13 W. Grant Morden

992.51.266 Pipe and Valve List American Shipbuilding Co. 10/07/13
w. Grant Morden

992.51.267 Ballast and Injection Piping American Shipbuilding Co.
11/20/13 W. Grant Morden

992.51.268 Ballast and Injection Piping American Shipbuilding Co.
11/20/13 W. Grant Morden

992.51.269 7 x 12 D.C.-D.G. Ship winch - General Arrangement
01/09/19

992.51.270 Sternpost of Cast Steel (British-American, Welland)
04/04/19

992.51.271 Midship Section (Collingwood) 8/14/19

992.51.272 Midship Section (Collingwood) 9/03/19

992.51.273 Type C Coaster Position of Bulkhead pieces on Bulkhead
25 (German & Milne) 05/14/45

992.51.274 Plate Lines, Aft Body 02/14/50

992.51.275 Key Tags 09/12/52 E.B. Barber

992.51.276 Brass Key Tags 08/24/53 Paterson

992.51.277 Brass Key Tags 04/07/54 Paterson

Ship Plans - No Date, No Vessel

992.51.278 Aft Telemotor 03/21/14 (date stamped on)

992.51.279 Aft Telemotor 04/11/14 (date stamped on)

992.51.280 Pumping Arrangement, Trawlers Lot B

992.51.281 Standard 12" Hinged Air Port with Dead Door

992.51.282 Midship Section

992.51.283 Part of a Cross Section

Ship Plans - Misc.

992.51.284 Curve of 1 hp and RPM, also speed in knots 08/25/41
Corvettes

992.51.285 McAvity Marine Indicator Cocks 04/11/40