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Canadian Iron & Steel Foundries



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AKPZ

Canada's iron and steel foundry industry

is accelerating under the dynamic influence of an expanding economy. Each year it serves increasing numbers of customers in Canada, the United States and other countries.

By modernizing methods and plant, large and small foundries have achieved diversified and increased production, and meticulous quality control. In addition to proficiency in long runs, the Canadian industry has an exceptional capability for economical, specialized short-run orders.

This special ability — with Canadian craftsmanship, quality materials and competitive pricing — demands consideration of Canadian castings by value-conscious buyers.

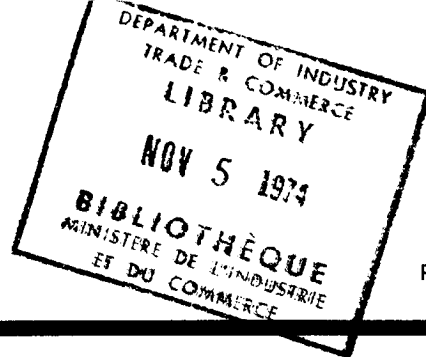
The firms described are staffed by highly qualified technical and

administrative personnel and manufacture a comprehensive range of quality iron and steel castings.

This directory has been compiled by the Canadian Department of Trade and Commerce in co-operation with the companies listed. Its purpose is to indicate some of the capabilities of the Canadian iron and steel foundry industry and assist buyers to locate reliable sources of supply.



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Anthes Imperial Limited

Box 67
St. Catharines, Ontario

Contact: C. A. Rogers

Tel: 682-8621

Area Code: 416

ANTHES IMPERIAL LIMITED has been in operation for more than 60 years, manufacturing for the plumbing and heating, public utilities, industrial, construction and commercial fields. The company's diversified products range from armored steel liquid level gauges to warm air furnaces, boilers and spun iron pipe. Anthes Imperial also specializes in open web steel joists and other cold roll formed sections. With plants in Ontario, Manitoba and Alberta the company is well situated to provide service throughout a wide area.

FOUNDRY LOCATIONS:

ANTHES IMPERIAL LIMITED
Box 67
St. Catharines, Ontario
Tel: 682-8621
Area Code: 416

ANTHES IMPERIAL LIMITED
1350 Saskatchewan Avenue
Winnipeg 21, Manitoba
Tel: SP4-1671
Area Code: 204

ANTHES IMPERIAL LIMITED
9520-125th Avenue
P.O. Box 698
Edmonton, Alberta
Tel: GR9-2057
Area Code: 403

ANTHES IMPERIAL LIMITED
Dgden Road
P.O. Box 1090
Calgary, Alberta
Tel: BR9-3341
Area Code: 403

Type of Castings Produced: Soil and water pipe and fittings; heating products; municipal water works; automotive

Size of Castings Produced: 1 pound to 2,500 pounds

Compositions: Gray iron

Special Processes Used: Spun pipe, centrifugal in sand molds; sand slinger, jolt squeeze floor and machine molding; shell cores

Melting Facilities: 5 cupolas, capacity 20 tons per hour each

Heat Treating Facilities: Continuous annealing furnace at Calgary plant

Testing Facilities: Physical, chemical and hydrostatic laboratories at Calgary; hydrostatic at Winnipeg; microscopic laboratories at St. Catharines

Capacity: 6,400 net tons per month total all plants

Associated Foundry Limited

4080 Nanaimo Street
Vancouver 12, British Columbia

Contact: H. A. Sturrock

Tel: 879-1451

Area Code: 604

ASSOCIATED FOUNDRY LIMITED was formed in 1945, succeeding an existing operation. Because of mechanization and continuing technological improvements, the company is able to offer cast iron pipe and fittings at highly competitive prices. Associated Foundry's customers are plumbing and heating wholesale jobbers.

FOUNDRY LOCATION:

ASSOCIATED FOUNDRY LIMITED
4080 Nanaimo Street
Vancouver 12, British Columbia
Tel: 879-1451
Area Code: 604

Type of Castings Produced: Soil pipe and fittings; sundry castings

Size of Castings Produced: 1 pound to 300 pounds

Compositions: Gray iron

Special Processes Used: Centrifugal casting of soil pipe; sand slinger molding; shell core production on some fittings and soil pipe bell ends

Melting Facilities: Cupola, capacity 7 tons per hour

Heat Treating Facilities: None

Testing Facilities: Available nearby

Capacity: 600 net tons per month

A. Bélanger Limitée

Montmagny, Quebec

Contact: E. Weemaes

Tel: 248-2332

Area Code: 418

A. BÉLANGER LIMITÉE is a well-known Canadian firm, established in Canada's Confederation year 1867. Before 1960 all foundry production was for company use. It specialized in molding parts for iron stoves and agricultural machinery. In 1960, the firm obtained a license for Meehanite and nodular iron molding. Canadian Vickers, Beloit Sorel Industries and Canadian Allis-Chalmers are among many industries now using the company's products. Components from A. Bélanger Limitée are shipped to markets throughout the world.

FOUNDRY LOCATION:

A. BÉLANGER LIMITÉE
Montmagny, Quebec
Tel: 248-2332
Area Code: 418

Type of Castings Produced: Machinery components for paper-mills; mining equipment; railroad; machine tools such as presses, folding presses

Size of Castings Produced: 1 pound to 10,000 pounds

Compositions: All Meehanite metals, nodular SF-60 and SP-80 gray

Special Processes Used: Synthetic sands; CO₂, thermic treatment

Melting Facilities: 2 cupolas, capacities 6 and 9 tons per hour

Heat Treating Facilities: Available on premises

Testing Facilities: Complete laboratory on premises

Capacity: 200 net tons per month

Benn Iron Foundry Limited

3 Mason Street
Wallaceburg, Ontario

Contact: D. Benn

Tel: 627-3314

Area Code: 519

BENN IRON FOUNDRY LIMITED was established in 1932. Steady growth resulted in the building of a new and larger plant in 1956, with further additions made in 1960 and 1963-64. The company takes advantage of new processes applicable to its operations to ensure efficient production and quality castings. This policy has helped the firm to develop a favorable competitive position and widen markets.

FOUNDRY LOCATION:

BENN IRON FOUNDRY LIMITED
3 Mason Street
Wallaceburg, Ontario
Tel: 627-3314
Area Code: 519

Type of Castings Produced: Automotive; agricultural; electrical conduit; appliances; heating

Size of Castings Produced: 1 pound to 80 pounds

Compositions: Gray iron class 20, 30 and 35

Special Processes Used: Squeeze, cope and drag, side floor, green sand, shell, CO₂ moldings; shell, oil sand, CO₂ hot box, no-bake cores

Melting Facilities: Cupola, capacity 6 tons per hour

Heat Treating Facilities: Normalizing and annealing on premises

Testing Facilities: Metallurgical and sand laboratories on premises

Capacity: 300 net tons per month

Bertram Machine and Tool Company

15 Hatt Street
Dundas, Ontario

Contact: George W. Skuce

Tel: 628-2233

Area Code: 416

BERTRAM MACHINE AND TOOL COMPANY, a Division of Levy Industries Ltd., has annual sales of more than \$60,000,000. For over a century, Bertram has been manufacturing heavy industrial equipment, machine tools, custom gray iron castings and precision tools and gauges. The firm is an important supplier to the automotive, aircraft and sports equipment industries. With modern foundry facilities geared to produce heavy castings from 1,000 pounds to 60,000 pounds, the company is in an excellent position to compete in areas requiring heavy castings. Among its recent achievements was a "tubbing" contract for the potash mining industry in Western Canada.

FOUNDRY LOCATION:

BERTRAM MACHINE AND TOOL COMPANY
15 Hatt Street
Dundas, Ontario
Tel: 628-2233
Area Code: 416

Type of Castings Produced: Custom jobbing; machine tool; engineering

Size of Castings Produced: 1,000 pounds to 60,000 pounds

Compositions: Gray iron, class 20 to class 50

Special Processes Used: Flask and pit moldings; dry sand; CO₂; airset

Melting Facilities: Cupolas, 56-inch and 60-inch

Heat Treating Facilities: Stress relieving to 12,000°F. on premises

Testing Facilities: Tensile equipment, chemical analysis available nearby

Capacity: 500 net tons per month

Black Clawson-Kennedy Ltd.

Owen Sound, Ontario

Contact: R. Warburton

Tel: 376-8860

Area Code: 519

BLACK CLAWSON-KENNEDY LTD. has continued to expand and modernize its facilities ever since it was established in 1857 as a foundry and millwright business. The engineering, foundry, pattern and machine shop and fabricating departments are noted for their skillful production. The firm produces, on a large scale, castings of various alloys for hydraulic equipment, valves, cement mill machinery, pulp and paper machinery, shipbuilding, pressure casting for pumps, centrifugal cast liners and other castings. Because of the company's diversity it is able to produce a large variety of quality castings to customer specifications.

FOUNDRY LOCATION:

BLACK CLAWSON-KENNEDY LTD.
Owen Sound, Ontario
Tel: 376-8860
Area Code: 519

Type of Castings Produced: Railroad; mining; cement mill; shipbuilding; industrial; custom castings

Size of Castings Produced: Iron, 1 to 20,000 pounds; steel, 1 to 12,000 pounds

Compositions: High and low alloy steel; stainless steels; ductile and alloy irons

Special Processes Used: Green and dry sand; static and centrifugal cast

Melting Facilities: Direct arc; induction; oil-fired reverberatory furnaces and crucibles

Heat Treating Facilities: Annealing, normalizing, stress relieving, water quench on premises

Testing Facilities: Physical, chemical, gamma ray, magnaflux and zygo on premises

Capacity: 400 net tons per month

Bowmanville Foundry Co. Limited

Bowmanville, Ontario

Contact: T. F. Rehder

Tel: 623-3313

Area Code: 416

BOWMANVILLE FOUNDRY CO. LIMITED, established in 1902, built a new plant in 1960 equipped with the latest molding equipment and modern machinery. Standard sand molding, shell molding and shell core making – with up-to-date heating and melting facilities – enable the plant to produce multiple or short run castings in record time. The company's qualified staff will discuss pattern work and design of proposed castings to provide the most economical method of meeting customer requirements.

FOUNDRY LOCATION:

BOWMANVILLE FOUNDRY CO. LIMITED

Bowmanville, Ontario

Tel: 623-3313

Area Code: 416

Type of Castings Produced: General jobbing castings; electrical fittings; mine rock bolts

Size of Castings Produced: 1 pound to 25 pounds

Compositions: Malleable, all grades

Special Processes Used: Squeezers, mold conveyers; overhead sand hoppers

Melting Facilities: Electric induction, capacity 20 tons per day

Heat Treating Facilities: 12 electric annealing ovens on premises

Testing Facilities: Brinell hardness tester on premises

Capacity: 150 net tons per month

Canada Iron Foundries, Limited

Foundry Division
169-171 Eastern Avenue
Toronto 2, Ontario

Contact: E. W. Fraser

Tel: 363-8801

Area Code: 416

CANADA IRON FOUNDRIES, LIMITED is one of the largest and most diversified industrial organizations of its kind in Canada. Founded in 1908 the company is now a leading producer of gray and alloy iron castings. Canada Iron also produces iron and concrete pressure pipe, concrete masonry blocks, hydrants, valves, industrial machinery, electric motors and generators, railway track maintenance equipment – fabricates and erects steel structures. The company – through its sales agency division – has facilities for the sale and distribution of a wide range of industrial supplies and equipment, including products manufactured by other firms. Variety and versatility in manufacturing methods and technical knowledge has established Canada Iron as an outstanding Canadian company.

FOUNDRY LOCATIONS:

CANADA IRON FOUNDRIES, LIMITED
Foundry Division
169-171 Eastern Avenue
Toronto 2, Ontario
Tel: 363-8801
Area Code: 416

CANADA IRON FOUNDRIES, LIMITED
1010 Talbot Street
St. Thomas, Ontario
Tel: 631-1670
Area Code: 519

CANADA IRON FOUNDRIES, LIMITED
Stuart Street West
Hamilton, Ontario
Tel: 527-9171
Area Code: 416

Type of Castings Produced: Automotive; agriculture; railroad; mining; electrical; pressure pipe

Size of Castings Produced: 1 pound to 1,500 pounds

Compositions: Alloy irons and all grades of gray and ductile irons

Special Processes Used: Floor squeezer, high pressure molding (high production unit); Shaw process; shell molding

Melting Facilities: Electric; cupola and induction

Heat Treating Facilities: Gas fired 6' and 12' furnaces on premises

Testing Facilities: Chemical and physical on premises

Capacity: 4,000 net tons per month; 8,000 net tons per month – ingot molds

Canadian Steel Foundries

Division of Hawker Siddeley Canada Ltd.
5227 Notre Dame Street East
Montreal 5, Quebec

Contact: L. R. Shrun

Tel: 255-4041
Area Code: 514

CANADIAN STEEL FOUNDRIES, a Division of Hawker Siddeley Canada Ltd., built its Montreal plant in 1913. Today, through continuous expansion in plant and facilities, it is the largest iron and steel foundry in Canada. The company is capable of producing the larger-size castings demanded by the mining, cement, steel, hydro power and thermal power industries. In its vast modern plant, a team of highly skilled employees produces more than 3,000 tons of castings each month. Supplying castings to Canadian railways for over 50 years, the company now serves almost every type of industry — domestic and foreign — with castings in a wide range of alloys weighing from 1 to more than 300,000 pounds.

FOUNDRY LOCATION:

CANADIAN STEEL FOUNDRIES
Division of Hawker Siddeley Canada Ltd.
5227 Notre Dame East
Montreal 5, Quebec

Type of Castings Produced: Mining; railway; marine; industrial
Size of Castings Produced: 1 pound to 300,000 pounds
Compositions: Mild and alloy steels nodular iron; austenitic manganese; stainless steel
Special Processes Used: Dry and green sand; machine molding; core assembly in pits and on plates; dry and green sand cores; blower type cores
Melting Facilities: Electric arc furnaces, capacities 3, 6 and 50 tons; open hearth furnaces, capacity 43 tons; induction furnaces, capacities 300, 500 and 1,000 pounds
Heat Treating Facilities: 16 annealing furnaces up to 200 ton load with quenching on premises
Testing Facilities: X-ray pit, 20' x 24' x 10', 100 curie cobalt source, iridium gamma ray (0.5 curie cobalt source), ultrasonic, spectrograph (10 elements), magnaflux, magnaglo, metallographic microscope, all usual metallurgical laboratory equipment on premises
Capacity: 3,500 net tons per month

Canadian Unitcast Steel, Ltd.

614 St. James Street West
Montreal 3, Quebec

Contact: J. W. Bedbrooke

Tel: 849-8131
Area Code: 514

CANADIAN UNITCAST STEEL, LTD. was incorporated in 1948 to purchase the assets of Canadian Brake Shoe & Foundry. Complete modernization of the foundry's equipment and facilities has resulted in improved quality and increased production capacity. The foundry specializes in small, carbon and low alloy steel castings and has a reputation for quality products and efficient service. Customers include Massey-Ferguson, Crane Ltd., Rockwell Manufacturing, Trailmobile, Aluminum Co., Dominion Bridge and Canadian Vickers.

FOUNDRY LOCATION:

CANADIAN UNITCAST STEEL, LTD.
455 Belvedere Street
Sherbrooke, Quebec
Tel: L09-2597
Area Code: 819

Type of Castings Produced: Agriculture; railroad; automotive; general industry
Size of Castings Produced: 1 pound to 4,000 pounds
Compositions: Carbon and low alloy steel
Special Processes Used: Sand molding
Melting Facilities: Acid-electric furnace, capacity 3 tons
Heat Treating Facilities: Heat treating and quenching on premises
Testing Facilities: Magnetic particle, liquid pentrons, pressure testing laboratories on premises
Capacity: 250 net tons per month

Cornwall Brass & Iron Foundries Ltd.

Boundary Road, P.O. Box 38
Cornwall, Ontario

Contact: J. Heroux

Tel: WE 2-5591
Area Code: 613

CORNWALL BRASS & IRON FOUNDRIES LTD. has grown progressively since its inception in 1932 by providing quality castings at competitive prices. It supplies ingot molds and castings to primary manufacturers and metal producers in the United States, South America and Canada. Transportation facilities are excellent as Cornwall is served by two major railroads and has docking facilities for shipping by sea or inland waterways. Recent extensions to the plant will increase production facilities by 60 per cent.

FOUNDRY LOCATION:

CORNWALL BRASS & IRON FOUNDRIES LTD.
Boundary Road, P.O. Box 38
Cornwall, Ontario
Tel: WE2-5591
Area Code: 613

Type of Castings Produced: Ingot molds; municipal castings; machinery castings for pulp and paper, chemical, railroad, mining, other industries

Size of Castings Produced: 1 pound to 10,000 pounds

Compositions: Heat-resistant iron and all types to ASTM specifications

Special Processes Used: Green and dry sand; air set molding and core making

Melting Facilities: Cupolas, capacity 20 tons per day

Heat Treating Facilities: Available nearby

Testing Facilities: Laboratory chemical, mechanical and microscopy analysis on premises

Capacity: 400 net tons per month

Crane Canada Limited

5800 Cote de Liesse Road
Montreal 9, Quebec

Contact: R. B. Hill

Tel: 748-6271
Area Code: 514

CRANE CANADA LIMITED has been established in Canada for nearly 50 years. The company manufactures, wholesales and retails a variety of valves, fittings, heating boilers, radiators, plumbing fixtures and sanitary ware. The company's excellent facilities are available for custom casting and job inquiries will be welcomed. Crane employs more than 3,000 competent workers supervised by highly qualified technical personnel.

FOUNDRY LOCATIONS:

CRANE CANADA LIMITED
3800 St. Patrick Street
Montreal, Quebec
Tel: 932-5164
Area Code: 514

CRANE CANADA LIMITED
Port Hope Division
Port Hope, Ontario
Tel: 885-2467
Area Code: 416

CRANE CANADA LIMITED
McAvity Division
Rothesay Avenue
Saint John, New Brunswick
Tel: 693-2541
Area Code: 506

Type of Castings Produced: Valves; fittings; sanitary ware; heating boilers; radiators; water works equipment; railroad; pulp and paper; custom casting

Size of Castings Produced: 4 ounces to 5,000 pounds, gray iron; 4 ounces to 5 pounds, malleable iron

Compositions: Gray iron, ASTM A-48, classes 20 to 30, ASTM A-126; malleable iron ASTM A-197; Ni-resist

Special Processes Used: Green sand, Furan; oil sand CO₂ cores

Melting Facilities: 3 cupolas, capacity 6 tons per hour each; 2 cold blast No. 9 furnaces, capacity 10 tons per hour each

Heat Treating Facilities: Box-type annealing furnaces on premises

Testing Facilities: X-ray and complete metallurgical and chemical laboratories on premises

Capacity: Gray iron, 2,025 net tons per month; malleable iron, 375 net tons per month

Desjardins Limitée

Saint-André de Kamouraska, Québec

Contact: L. Gendron

Tel: 493-2114

Area Code: 418

DESJARDINS LIMITÉE has been manufacturing farm and sawmill machinery for nearly a century. Products include threshers, lime and manure spreaders, wheelbarrows, saw frames, root-cutters, silos, land rollers, wagons and a complete circular saw installation with a production capability of 20-30,000 feet per day. The company makes the parts for this machinery and also specializes in iron castings for piers and manhole sewers. Quality products and efficient service are traditional at Desjardins.

Type of Castings Produced: Agriculture, sawmill, piers, manholes and sewer accessories
Size of Castings Produced: 1 pound to 2,000 pounds
Compositions: Gray iron
Special Processes Used: Floor and bench flasks
Melting Facilities: Cupola, capacity 2 tons
Heat Treating Facilities: Available nearby
Testing Facilities: Available nearby
Capacity: 40 net tons per month

FOUNDRY LOCATION:

DESJARDINS LIMITÉE
Saint-André de Kamouraska, Québec
Tel: 493-2114
Area Code: 418

Dominion Foundries and Steel, Limited

P.O. Box 460
Hamilton, Ontario

Contact: R. N. Dobson

Tel: 549-5211

Area Code: 416

DOMINION FOUNDRIES AND STEEL, LIMITED — well known as Dofasco, was established more than 50 years ago and operates one of the largest and most modern steel foundries in Canada. The foundry is a division of the company for which the major production is in basic steel products of flat-rolled categories. Dofasco employs a highly skilled labor force and uses the latest technological practices. The company can provide all types of steel castings for industry's most demanding requirements.

Type of Castings Produced: Railway, automotive, mining, earth moving and construction machinery; oil country goods; pump and valve; cement mill and rolling mill machinery
Size of Castings Produced: 1 pound to 70,000 pounds
Compositions: Carbon steels; low alloy steels; high alloy and stainless steels; austenitic manganese steels
Special Processes Used: Sand, shell and centrifugal molding
Melting Facilities: Electric arc — 3, 10 and 50 tons; electric induction — 500, 1,000 and 2,000 pounds
Heat Treating Facilities: Furnaces up to 35 tons capacity with quenching on premises
Testing Facilities: Physical, chemical and metallurgical laboratories, X-ray, magnetic particle, ultrasonic, dye penetrant on premises
Capacity: 2,500 net tons per month

FOUNDRY LOCATION:

DOMINION FOUNDRIES AND STEEL, LIMITED
P.O. Box 460
Hamilton, Ontario
Tel: 549-5211
Area Code: 416

Dorr-Oliver-Long Limited

West Street South
Orillia, Ontario

Contact: L. C. Rabbits

Tel: 326-7311
Area Code: 705

DORR-OLIVER-LONG LIMITED operates a jobbing foundry specializing in short runs of miscellaneous castings in the 50 pounds to 24,000 pounds range. The company can supply more than 20 different specifications of Meehanite and 6 specifications of ductile iron castings to ASTM standards with test reports when required. Pattern shop, plate shop and machine shop facilities are available and castings can be fully machined. Prices can be quoted f.o.b. the customer's plant regardless of location.

FOUNDRY LOCATION:

DORR-OLIVER-LONG LIMITED
West Street South
Orillia, Ontario
Tel: 326-7311
Area Code: 705

Type of Castings Produced: Jobbing castings for a variety of industries

Size of Castings Produced: 50 pounds to 24,000 pounds

Compositions: Gray and ductile irons; Meehanite

Special Processes Used: Green and dry sand, machine, sand slinger, full mold, bench, floor and pit moldings; oil-baked and air-set cores

Melting Facilities: Cupola, capacity 7 tons per hour

Heat Treating Facilities: Annealing up to 1,700° F. stress relieving on premises

Testing Facilities: Metallurgical and chemical laboratories on premises

Capacity: 500 net tons per month

Ex-Cell-O Corporation of Canada, Limited

P.O. Box 3535, 120 Weston Street
London, Ontario

Contact: R. S. Kilby

Tel: 438-2133 — Ext. 64
Area Code: 519

EX-CELL-O CORPORATION OF CANADA, LIMITED entered the field of casting gray iron with the purchase of Henry Power Tool Company in 1953 and gradually shifted emphasis to machine tool castings. In 1957 a chemical and physical testing and quality control system was introduced which ensured day-to-day consistency of operation. The company was one of the first in Canada to use the no-bake process. The firm welcomes inquiries for specialized general jobbing, primarily short run orders. The research department of the Gray Iron Foundry Society, Chicago, has complimented Ex-Cell-O of Canada on the quality and finish of its castings.

FOUNDRY LOCATION:

EX-CELL-O CORPORATION OF CANADA, LIMITED
P.O. Box 3535, 120 Weston Street
London, Ontario
Tel: 438-2133 - Ext. 64
Area Code: 519

Type of Castings Produced: Machine tool castings

Size of Castings Produced: 1 pound to 7,500 pounds with maximum base size 15' x 5'. Cores can be produced up to 5,000 pounds with the largest core box 7' x 4' x 3'

Compositions: Gray iron, from ASTM class 25 to ASTM class 50

Special Processes Used: Green sand; no-bake; air-set

Melting Facilities: Cupola, capacity 9 tons per hour

Heat Treating Facilities: Annealing, stress-relieving, tempering, hardening available for castings up to 200 pounds on premises

Testing Facilities: Complete physical and chemical quality control on premises

Capacity: 150 net tons per month

Fahralloy Canada Limited

Orillia, Ontario

Contact: J. A. Wilson

Tel: 326-3555

Area Code: 705

FAHRALLOY CANADA LIMITED was formed in 1935 as a foundry specializing in stainless steel castings. Through the years the company has continued to expand and now produces carbon and low alloy steel castings as well as manganese and related abrasion-resisting casting work. Fahralloy is currently the largest producer of high-alloy heat-resisting castings in Canada.

FOUNDRY LOCATION:

FAHRALLOY CANADA LIMITED
Orillia, Ontario
Tel: 326-3555
Area Code: 705

- Type of Castings Produced:** Stainless steels, high alloys – all types for all industries
- Size of Castings Produced:** 1 pound to 6,500 pounds
- Compositions:** Stainless steels; high alloys, all grades
- Special Processes Used:** Floor and shell molding; sand slinging equipment; squeeze-jolt roll over molding; permanent molding of centrifugally cast products
- Melting Facilities:** 7 direct-arc melting furnaces, capacities 300 pounds to 2,000 pounds per hour
- Heat Treating Facilities:** Car-type annealing furnaces, water and oil quench on premises
- Testing Facilities:** Complete modern chemical laboratory, Siemen's vacuum X-ray spectrometer, physical and metallographic examination, magnaflux, dye penetrant, X-ray on premises
- Capacity:** 500 net tons per month

Fittings Limited

135 Bruce Street
Oshawa, Ontario

Contact: H. G. Palmer

Tel: 723-3433

Area Code: 416

FITTINGS LIMITED, established in 1902, is one of the largest Canadian manufacturers of a wide range of malleable and gray iron pipe fittings and castings. The company has continued to modernize its plant and develop new products and markets and now manufactures more than 13,000 individual items. Through its constant effort to keep abreast of new developments in metallurgy and manufacturing techniques the firm has an outstanding reputation for service, quality, dependability and workmanship. The company's products are marketed under the "Diamond" trademark.

FOUNDRY LOCATION:

FITTINGS LIMITED
135 Bruce Street
Oshawa, Ontario
Tel: 723-3433
Area Code: 416

- Type of Castings Produced:** Pipe fittings; conveyer chains; agriculture; railroad; electrical conduit fittings; water works; industrial castings
- Size of Castings Produced:** ¼ pound to 50 pounds, malleable iron; ½ pound to 500 pounds, gray iron
- Compositions:** Gray, malleable and pearlitic iron
- Special Processes Used:** Green sand molding; shell and oil sand coremaking; hot dip and electroplate galvanizing; machining
- Melting Facilities:** Cupola, capacity 15 tons per hour, malleable iron; cupola, capacity 15 tons per hour, gray iron
- Heat Treating Facilities:** On premises
- Testing Facilities:** Chemical and physical on premises
- Capacity:** 600 net tons per month, malleable iron; 560 net tons per month, gray iron

Forano Limited

Plessisville, Quebec

Contact: N. Clement

Tel: 362-7361

Area Code: 819

FORANO LIMITED, established in 1873, has an outstanding reputation for the design and fabrication of standard and highly specialized industrial equipment. The company provides a complete package service — modern foundry, pattern shop and pattern storage, large general machine shop with up-to-date heavy equipment, production machine shop and an extensive design department. Forano also has expert installation specialists, and a comprehensive spare-parts service. In addition to designing and producing a wide variety of its own standard products, the firm has helped solve problems and created special machinery for many industries. It maintains sales and engineering offices from coast to coast in Canada.

FOUNDRY LOCATION:

FORANO LIMITED
Plessisville, Quebec
Tel: 362-7361
Area Code: 819

Type of Castings Produced: Agriculture; mining; mechanical transmission; sawmill machinery; conveyers; pulp and paper industry equipment; general foundry jobbing

Size of Castings Produced: 1 pound to 12,000 pounds

Compositions: Gray iron, grades 30, 40 and 50; some special alloys

Special Processes Used: Dry and green sand floor and pit molding; machine molding up to 150 pounds; blown and baked cores

Melting Facilities: Cupola, capacity 25 tons per hour, coke process

Heat Treating Facilities: Stress relief for small parts on premises; larger components nearby

Testing Facilities: Physical, metallography, chemistry and sand laboratories on premises

Capacity: 500 net tons per month

Foster Wheeler Limited

St. Catharines, Ontario

Contact: A. A. Irvine

Tel: 684-8321

Area Code: 416

FOSTER WHEELER LIMITED was incorporated in 1929. For nearly half a century the foundry has been supplying quality gray iron castings to various industries. The firm offers fully integrated engineering, pattern, machine, stress-relieving, foundry and boiler shop facilities. Foster Wheeler is a well-known designer and manufacturer of equipment for pulp and paper mills, power and heating plants, petroleum refineries, marine boilers and auxiliaries, and chemical process plants.

FOUNDRY LOCATION:

FOSTER WHEELER LIMITED
St. Catharines, Ontario
Tel: 684-8321
Area Code: 416

Type of Castings Produced: General industrial

Size of Castings Produced: ½ pound to 8,000 pounds

Compositions: Gray iron from 20,000 to 30,000 psi; Meehanite grades

Special Processes Used: Center floor, roll-over, squeezer molding

Melting Facilities: Cupola, 36-inch

Heat Treating Facilities: Stress relief for small parts on premises; larger components nearby

Testing Facilities: Sand, iron, hydrostatic, air, Brinell on premises

Capacity: 100 net tons per month

Galt Malleable Iron Limited

60 Kerr Street
Galt, Ontario

Contact: H. C. MacKay

Tel: 621-5710

Area Code: 519

GALT MALLEABLE IRON LIMITED, established in 1906, currently produces approximately 10 per cent of the malleable iron castings made in Canada. Most of the company's production is utilized by Canadian industries and approximately one-fifth is exported to the United States. Operating almost exclusively in the jobbing field the company has a wide range of experience in supplying malleable iron castings to a diversified market. This company has announced construction of a new mechanized malleable foundry to be in production by December 15, 1965, which will provide additional capacity at the rate of 250 net tons per month, one shift, and 500 net tons per month, two shifts. New plant location, Brantford Township approximately 10 miles from present plant.

FOUNDRY LOCATION:

GALT MALLEABLE IRON LIMITED
60 Kerr Street
Galt, Ontario
Tel: 621-5710
Area Code: 519

Type of Castings Produced: Automotive; agricultural; mining; electrical power transmission; railroad; other industries

Size of Castings Produced: ½ pound to 10 pounds

Compositions: Malleable iron ASTM A47-52 grade 32510

Special Processes Used: Conveyor production lines with overhead sand systems; squeezer matchplate continuous pour

Melting Facilities: Duplex melting, cupola to air furnace

Heat Treating Facilities: Continuous roller hearth, controlled atmosphere, electric heat treat furnace on premises

Testing Facilities: Sand laboratory on premises; chemical and physical laboratory available nearby

Capacity: 500 net tons per month 1965
1,000 net tons per month 1966

Philip Gies Foundry Limited

36 Water Street South
Kitchener, Ontario

Contact: R. P. Copland

Tel: 742-4437

Area Code: 519

PHILIP GIES FOUNDRY LIMITED was founded in 1902 to manufacture cast iron furnaces. As the demand for this product diminished the company began jobbing — particularly in valve, agricultural and machinery castings. Expanding in 1950 the company acquired its major valve component customer as a wholly owned subsidiary and now specializes in higher tensile pressure castings. The company operates its own pattern and maintenance shops. Most of the firm's accounts are large and medium-size Canadian concerns and are long-standing customers. It has always been quick to adopt new processes and techniques and was one of the first foundries in Ontario to successfully use the CO₂ process.

FOUNDRY LOCATION:

PHILIP GIES FOUNDRY LIMITED
36 Water Street South
Kitchener, Ontario
Tel: 742-4437
Area Code: 519

Type of Castings Produced: Valves; pumps; fittings; machinery

Size of Castings Produced: 1 pound to 15,000 pounds

Compositions: Gray iron, "semi-steel"

Special Processes Used: Machine and floor molding; CO₂; cold cure; green and dry sand

Melting Facilities: Cupola, capacity 6 tons per hour

Heat Treating Facilities: Available nearby

Testing Facilities: Sand laboratory on premises; physical testing nearby

Capacity: 225 net tons per month

Gosselin Foundry Inc.

8640 Jeanne Mance Street
Montreal, Quebec

Contact: R. R. McLernon

Tel: 381-7291
Area Code: 514

GOSSELIN FOUNDRY INC. began operations in 1888. In 1960 the plant moved to a new location with up-dated facilities. The company specializes in castings for dairy, cheese, creamery and textile dyeing equipment. Gosselin Foundry also does sheet metal work and produces general and industrial machinery gray iron castings.

FOUNDRY LOCATION:

GOSSELIN FOUNDRY INC.
La Perade
Champlain Co., Quebec
Tel: 211
Area Code: 819

Type of Castings Produced: General, industrial machinery
Size of Castings Produced: 1 pound to 5,000 pounds
Compositions: Gray iron, 20,000 to 40,000 pounds tensile
Special Processes Used: Floor, jolt squeeze, rollover molding; shell, baked and no-bake cores
Melting Facilities: Cupola, capacity 4 tons per hour
Heat Treating Facilities: None
Testing Facilities: Brinnell hardness on premises
Capacity: 85 net tons per month

John T. Hepburn, Limited

914 Dupont Street
Toronto 4, Ontario

Contact: Dennis Smith

Tel: 534-8871
Area Code: 416

JOHN T. HEPBURN, LIMITED has been producing quality castings since 1905 for some of the largest companies in industry and supplying castings to a wide range of manufacturers requiring consistent quality. A continuing program of additions and improvements to production facilities and laboratory equipment has been in effect at the Hepburn foundry. The company produces gray iron and Meehanite castings ranging from commercial grades to high-strength and alloy irons — all to controlled specifications.

FOUNDRY LOCATION:

JOHN T. HEPBURN, LIMITED
914 Dupont Street
Toronto 4, Ontario
Tel: 534-8871
Area Code: 416

Type of Castings Produced: Agricultural; automotive; smelting and refining; primary industries; iron and steel mills; dies; engineering grades for machine tools and mechanical equipment, pumps, valves, meters, compressors and many other types
Size of Castings Produced: From a few ounces to 6,000 pounds
Compositions: Gray iron; Meehanite
Special Processes Used: Squeezer, floor, bench, slinger, green sand, moldings; CO₂ core, chemical set core; blower core; bench core
Melting Facilities: Cupola, capacity 2½ tons to 7 tons per hour
Heat Treating Facilities: Available nearby
Testing Facilities: Sand, chemical, carbon equivalent determination on premises
Capacity: 270 net tons per month

Hillis & Sons, Limited

3180 Kempt Road
Halifax, Nova Scotia

Contact: J. R. Matheson

Tel: 455-7237
Area Code: 902

HILLIS & SONS, LIMITED was founded in 1865 by James Hillis and maintained by his sons until 1954 when it was reorganized under new management. Buildings and production machinery were modernized and a division formed to manufacture and distribute heating equipment and supplies. During the past 10 years the company has expanded and now produces modern water works fittings in quantity in addition to heating equipment. The company is ideally located for supplying the Eastern United States and overseas markets with quality jobbing castings.

FOUNDRY LOCATION:

HILLIS & SONS, LIMITED
3180 Kempt Road
Halifax, Nova Scotia
Tel: 455-7237
Area Code: 902

Type of Castings Produced: Water works fittings; manhole frames and covers; machinery; ship's castings such as keels; miscellaneous hardware; industrial castings

Size of Castings Produced: 1 pound to 10,000 pounds

Compositions: Cast iron and alloyed gray iron; semi-steel, Ni-hard and Ni-resist alloys

Special Processes Used: Sand molding

Melting Facilities: 2 cupolas, capacities 6 and 10 tons

Heat Treating Facilities: Annealing on premises

Testing Facilities: Available nearby

Capacity: 200 net tons per month

International Harvester Company of Canada, Limited

Hamilton Works / Sherman Avenue
Hamilton, Ontario

Contact: E. Duncan

Tel: 549-5231
Area Code: 416

INTERNATIONAL HARVESTER COMPANY OF CANADA, LIMITED for 62 years has manufactured farm equipment and for 44 years has also produced motor trucks. Facilities for job casting are available and the company welcomes inquiries for gray and malleable iron castings.

FOUNDRY LOCATION:

INTERNATIONAL HARVESTER COMPANY OF CANADA, LIMITED
Hamilton Works
Sherman Avenue
Hamilton, Ontario
Tel: 549-5231
Area Code: 416

Type of Castings Produced: Automotive and farm equipment

Size of Castings Produced: Gray iron, 1 pound to 365 pounds; malleable iron, 1 pound to 25 pounds

Compositions: Gray and malleable iron

Special Processes Used: Match plates; floor molding and power conveyers; cope and drag; rollover machines; sand slinger

Melting Facilities: Cupola, capacity 8 tons per hour; reverberatory air furnace, capacity 3 tons per hour

Heat Treating Facilities: 5 annealing furnaces on premises, capacity 40 tons each

Testing Facilities: Metallurgical laboratory, magnaflux, drop testing on premises

Capacity: 1,590 net tons per month

International Malleable Iron Co. Limited

200 Beverley Street
Guelph, Ontario

Contact: L. Howat

Tel: 822-2560
Area Code: 416

INTERNATIONAL MALLEABLE IRON CO. LIMITED has successfully operated a foundry and machine shop since 1913. Quality castings are sold to various industries including automotive, railroad and agriculture. Iron pipe fittings are marketed directly to wholesale plumbing firms.

FOUNDRY LOCATION:

INTERNATIONAL MALLEABLE IRON CO. LIMITED
200 Beverley Street
Guelph, Ontario
Tel: 822-2560
Area Code: 416

Type of Castings Produced: Railroad; agricultural; automotive; mining; pipe fittings; appliances; others

Size of Castings Produced: 10 ounces to 200 pounds

Compositions: Gray iron, 20 to 35,000 tensile irons; malleable iron, 35018 grade A; pearlitic malleable, all ASTM grades

Special Processes Used: Sand castings, jolt squeeze, match plate, cope and drag, roto lift molding; oil sand, shell, CO₂, air-set cores

Melting Facilities: 2 cupolas; 2 air furnaces

Heat Treating Facilities: Batch-type annealing furnaces and electric heat-treat furnaces on premises

Testing Facilities: Sand laboratory and magnaglo on premises; complete chemical and physical laboratory nearby

Capacity: Varies

Irving Industries Limited

Foothills Steel Foundry Division
66th Avenue and Centre Street South
Calgary, Alberta

Contact: D. F. Irving

Tel: AL5-0125
Area Code: 403

IRVING INDUSTRIES LIMITED (Foothills Steel Foundry Division) was established in 1946. By 1959 the company had expanded and moved into a new \$500,000 plant complete with pattern shop. Essentially a jobbing foundry, the firm produces high-quality steel castings and forgings. Principal products are high pressure valve bodies, tractor sprocket rims, wire rope fittings and crusher jaws. The plant also produces bucket teeth, roll shells, custom steel castings and forgings.

FOUNDRY LOCATION:

IRVING INDUSTRIES LIMITED
Foothills Steel Foundry Division
66th Avenue and Centre Street South
Calgary, Alberta
Tel: AL5-0125
Area Code: 403

Type of Castings Produced: Agricultural; railroad; mining; construction; industrial

Size of Castings Produced: ½ pound to 3,000 pounds

Compositions: Carbon steel, low alloy; manganese alloy irons; stainless steels

Special Processes Used: Bench and floor sand slinger molding; CO₂ and oil sand cores

Melting Facilities: Electric furnace (basic), capacity ¾ ton; electric furnace (acid), capacity 1½ tons

Heat Treating Facilities: Car-type furnace 5' x 5' x 16', Car-type furnace 4' x 4' x 6' on premises

Testing Facilities: Magnaflux, die check, portable X-ray equipment available nearby

Capacity: 150 net tons per month

Letson & Burpee Ltd.

172 Alexander Street
Vancouver 4, British Columbia

Contact: J. F. Letson

Tel: MU2-4721
Area Code: 604

LETSON & BURPEE LTD. was formed in 1893 to serve the basic industries in the West Coast area. Its foundry in Richmond, British Columbia, specializes in the production of quality castings in a wide range of ferrous alloys. The Vancouver plant includes an engineering office to provide professional engineering services to customers and the company has a well-equipped machine shop, fabricating shop, pattern shop and special machinery for chain manufacture.

FOUNDRY LOCATION:

LETSON & BURPEE LTD.
903 Bridgeport Road
Richmond, British Columbia
Tel: MU2-4721
Area Code: 604

Type of Castings Produced: Ferrous alloys for the basic industries
Size of Castings Produced: 1 pound to 5,000 pounds
Compositions: Gray iron; ductile iron; Ni-resist; Ni-hard irons; steel
Special Processes Used: Shell molding; core; cold set
Melting Facilities: Carbon arc furnace, capacity 2 tons
Heat Treating Facilities: Annealing on premises
Testing Facilities: Fisher carbon tester; Brinell; sand; tensile and chemical tests available nearby
Capacity: 200 net tons per month

Lunenburg Foundry & Engineering Limited

Lunenburg, Nova Scotia

Contact: J. J. Kinley, Jr.

Tel: 634-8827
Area Code: 902

LUNENBURG FOUNDRY & ENGINEERING LIMITED, established as a stove foundry in 1891, today has a much wider field of operation and greater production capacity. A major part of the firm's business is ship repairing and equipment manufacturing for ships, including "Atlantic" gasoline engines, "Senator" diesel and gasoline engines, winches, hoists and other marine and industrial machinery. The company also produces marine stoves, warm-air furnaces, sheet metal ductwork and is noted as a mechanical and electrical contractor throughout Canada's Atlantic Provinces. The foundry provides machined and unmachined job castings in gray irons.

FOUNDRY LOCATION:

LUNENBURG FOUNDRY & ENGINEERING LIMITED
Lunenburg, Nova Scotia
Tel: 634-8827
Area Code: 902

Type of Castings Produced: Marine; railroad; paper mill; stove; general industrial
Size of Castings Produced: 1 pound to 2,000 pounds
Compositions: Gray iron
Special Processes Used: Green sand and dry core molding
Melting Facilities: Whiting No. 3 cupola, capacity 3 tons
Heat Treating Facilities: Available nearby
Testing Facilities: Available nearby
Capacity: 30 net tons per month

Lynn MacLeod Metallurgy Limited

Thetford Mines, Quebec

Contact: H. O. Seveigny

Tel: 335-9186

Area Code: 418

LYNN MACLEOD METALLURGY LIMITED, founded in 1931 as a modest plant, is now a modern foundry producing a variety of steel castings. Centrally located in an active mining area, the company specializes in castings for the mining industry. With continuing expansion of plant and other facilities, the firm now produces castings for shipyards, railroads, locomotive manufacturers, automotive equipment plants and other industries.

FOUNDRY LOCATION:

LYNN MACLEOD METALLURGY LIMITED
Thetford Mines, Quebec
Tel: 335-9186
Area Code: 418

Type of Castings Produced: Mining; pulp and paper; shipbuilding; railroad; steel plants; rolling mills; machine shop; others

Size of Castings Produced: Less than 1 pound to 8,000 pounds

Compositions: Carbon, low alloy and manganese steels; Ni-hard

Special Processes Used: Hydra-slinger; roto-mold; jolt squeeze with overhead sand system

Melting Facilities: 2 electric furnaces, capacities 1 ton and 3 tons per hour

Heat Treating Facilities: Car-type furnaces sizes to 7'6" x 14' x 5'6" on premises

Testing Facilities: Chemical and physical laboratory on premises

Capacity: 500 net tons per month

Magog Foundry Limited

601 Champlain Street
Magog, Quebec

Contact: J. B. Laroche

Tel: 843-3301

Area Code: 819

MAGOG FOUNDRY LIMITED, established in 1940 has expanded with the iron industry in Canada. The company specializes in quality gray iron, ductile iron and alloy castings. Present plans for the installation of heat treating and testing facilities are indicative of the company's growth potential.

FOUNDRY LOCATION:

MAGOG FOUNDRY LIMITED
601 Champlain Street
Magog, Quebec
Tel: 843-3301
Area Code: 819

Type of Castings Produced: Pulp and paper machinery; combustion; scales; textile; agriculture; mining; other industries

Size of Castings Produced: 1 pound to 8,000 pounds

Compositions: Gray iron; ductile iron; alloys

Special Processes Used: Floor, bench and machine molding; shell core process molding; synthetic, dry and baked sand, others

Melting Facilities: Cupola, capacity 7 tons per hour

Heat Treating Facilities: Available nearby

Testing Facilities: Physical, metallurgical and chemical analysis on premises

Capacity: 300 net tons per month

Mainland Foundry & Engineering Ltd.

1707 Pandora Street
Vancouver 6, British Columbia

Contact: J. S. Graham

Tel: 255-1311

Area Code: 604

MAINLAND FOUNDRY & ENGINEERING LTD. has grown substantially since it began producing gray iron castings in 1935. From a modest beginning, with a total investment of \$1,300, the company steadily increased its facilities and sales. From 14 accounts in 1936, Mainland, through progressive development of facilities, had approximately 800 accounts by the end of 1964 with sales in excess of \$3,750,000. In conjunction with the foundry the company operates a modern machine shop, a fabricating and sheet metal shop and sells a very complete range of power transmission equipment. The firm anticipates continued expansion and increased sales in new markets.

FOUNDRY LOCATION:

MAINLAND FOUNDRY & ENGINEERING LTD.
1707 Pandora Street
Vancouver 6, British Columbia
Tel: 255-1311
Area Code: 604

Type of Castings Produced: Sawmills; pulp mills; mining and allied industries

Size of Castings Produced: 1 pound to 26,000 pounds

Compositions: Gray iron, various alloys from 30,000 psi to 45,000 psi

Special Processes Used: Green sand, dry sand, floor and machine molding

Melting Facilities: 1 cupola, capacity 6 tons per hour

Heat Treating Facilities: Furnaces capable of handling pieces 10' x 6' x 4' on premises

Testing Facilities: Sand, X-ray, Cobalt 60, magna-glo, magnaflux, spectograph on premises

Capacity: 450 net tons per month

Maritime Steel and Foundries Limited

New Glasgow, Nova Scotia

Contact: J. H. McMillan

Tel: 752-1511

Area Code: 902

MARITIME STEEL AND FOUNDRIES LIMITED started operations in 1921, producing steel castings chiefly for railway car and locomotive shops, coal mines and shipyards. Since World War II, the firm has produced a large quantity of castings for power shovels and supplied mild and low alloy steel castings for paper companies, contractors and many other applications. Car wheels, bumpers, gears and sheaves are among products for the mining industry; railway car castings include coupler yokes, center plates and door castings. The company does considerable custom work for pulp and paper companies, supplying both the castings and necessary machinery. Maritime Steel also supplies castings to steel producers.

FOUNDRY LOCATION:

MARITIME STEEL AND FOUNDRIES LIMITED
New Glasgow, Nova Scotia
Tel: 752-1511
Area Code: 902

Type of Castings Produced: Mining; railroad; contracting; paper mill industries

Size of Castings Produced: 1 pound to 6,000 pounds

Compositions: Mild steel; low alloy steel

Special Processes Used: Sand slinger; jolt-squeeze

Melting Facilities: Herault-type furnace, capacity 7½ tons

Heat Treating Facilities: Normalizing, annealing, water quench on premises

Testing Facilities: Metallurgical laboratory on premises; physical nearby

Capacity: 300 net tons per month

McLean-Bessemer Industries Limited

Contact: J. McK. McLean

Hartley Foundry Division
247 Colborne Street West
Brantford, Ontario

Tel: 753-3468
Area Code: 519

McLEAN-BESSEMER INDUSTRIES LIMITED has operated Hartley Foundry for more than 35 years. It is one of Canada's leading Meehanite foundries, producing a complete range of Meehanite and ductile irons. The firm specializes in high-quality applications — normally short runs — including mold metals for the glass container industry and heavy duty castings for a wide range of uses. In 1964 the company invested \$500,000 to enlarge the capacity of the foundry, and is exporting to the United States, mainly through Buffalo and Detroit.

FOUNDRY LOCATION:

McLEAN-BESSEMER INDUSTRIES LIMITED
Hartley Foundry Division
247 Colborne Street West
Brantford, Ontario
Tel: 753-3468
Area Code: 519

Type of Castings Produced: General engineering; machine tools; tool and die; glass molds; agricultural machinery; railroad; automotive equipment

Size of Castings Produced: 1 pound to 12,000 pounds

Compositions: Ductile iron; Meehanite all grades including abrasion-resistant, corrosion-resistant and heat-resistant metals

Special Processes Used: Complete range machine molding; side and heavy floor with motive slinger; large heavily cored castings

Melting Facilities: Cupola, capacity 7 tons per hour

Heat Treating Facilities: 2 furnaces, stress relieving; normalizing, annealing on premises

Testing Facilities: Sand, complete physical microphotography on premises; chemical testing nearby

Capacity: 250 net tons per month

Neelon Steel Limited

Contact: T. C. Hirst

1 Place Ville Marie, Suite 4105
Montreal 2, Quebec

Tel: 866-2601
Area Code: 514

NEELON STEEL LIMITED started its foundry operations at Sudbury, Ontario, in March 1958, processing steel castings for large mining companies in Northern Ontario. With the development of "Molendure" (chrome molybdenum) the company also now markets its products to the cement industry. It is selling to a number of firms in the United States, and in Canada from Newfoundland to Alberta. In 1965 Neelon moved its head office to the impressive Place Ville Marie, in the heart of Montreal.

FOUNDRY LOCATION:

NEELON STEEL LIMITED
Foundry Road, R.R. 1
Sudbury, Ontario
Tel: 566-1610
Area Code: 705

Type of Castings Produced: Cast steel grinding balls for grinding ore, cement clinkers and other substances

Size of Castings Produced: 1 pound to 35 pounds

Compositions: "Carbendure" — plain carbon; "Molendure" — chrome molybdenum

Special Processes Used: Sand molding

Melting Facilities: Electric furnace, capacity 5 tons

Heat Treating Facilities: Available nearby

Testing Facilities: Chemical laboratory, sand testing, hardness testing on premises

Capacity: 700 net tons per month

Quebec Iron Foundries Ltd.

AND OCEAN FOUNDRIES LTD. (Subsidiary)
44 King Street West, Suite 1700
Toronto 1, Ontario

Contact: R. P. Riffin

Tel: 362-7111

Area Code: 416

QUEBEC IRON FOUNDRIES LTD. and its wholly owned subsidiary OCEAN FOUNDRIES LTD. are the largest producers of Ni-hard grinding media in Canada. The Noranda plant, in operation since 1937, produces some 10,000 tons per year; Mont Joli, operating since 1950, averages 6,000 tons per year and produces mill chute liners and general castings. Ocean Foundries, near Vancouver, British Columbia, provides grinding balls for the mining and cement industries.

FOUNDRY LOCATIONS:

QUEBEC IRON FOUNDRIES LTD.
P.O. Box 308
Noranda, Quebec
Tel: 762-3513
Area Code: 819

OCEAN FOUNDRIES LTD.
8239 128th Street
North Surrey, British Columbia
Tel: 594-0431
Area Code: 604

QUEBEC IRON FOUNDRIES LTD.
88 de la Fonderie
Mont Joli, Quebec
Tel: 775-4358
Area Code: 418

Type of Castings Produced: Grinding balls and slugs; mill chute liners

Size of Castings Produced: All sizes of grinding balls and slugs; mill chute liners to specifications

Compositions: Ni-hard martensitic iron in all three plants; gray and white iron also at Mont Joli

Special Processes Used: Chill cast balls and slugs at Noranda and Mont Joli; also sand molding at Mont Joli; disamatic-automated-flaskless sand molding machine producing 240-300 molds per hour at Ocean Foundries

Melting Facilities: 2 cupolas, capacities 4 and 7 tons per hour at Mont Joli; cupola, capacity 7 tons per hour at Noranda; I.D. shell at Ocean Foundries

Heat Treating Facilities: All foundries have stress relieving furnaces on the premises

Testing Facilities: Chemical analysis and testing equipment on the premises or nearby

Capacity: 1,200 net tons per month

Sorel Steel Foundries Limited

Sorel, Quebec

Contact: S. D. Rudy

Tel: RI 3-3326

Area Code: 514

SOREL STEEL FOUNDRIES LIMITED is a sister company of Marine Industries Limited and of Sorel Industries Limited — all are located at Sorel. Founded in 1855, under the name of Beauchemin & Fils Ltée., the company became Sorel Steel in 1929. The company specializes in wear-resisting steels and mining, grinding, crushing and dredging equipment. It supplies spare parts for Nordberg, Traylor and Allis-Chalmers and manufactures Pacific scrapers and buckets for mechanical shovels.

FOUNDRY LOCATION:

SOREL STEEL FOUNDRIES LIMITED
Sorel, Quebec
Tel: RI-3-3326
Area Code: 514

Type of Castings Produced: Mining; grinding; crushing; dredging equipment

Size of Castings Produced: 1 pound to 20,000 pounds

Compositions: Manganese austenitic steel, 12 per cent; heat-treat steel alloys; ordinary steel

Special Processes Used: Baked sand, green sand, hand and machine molding

Melting Facilities: 2 electric arc furnaces, capacities 6 tons and 12 tons

Heat Treating Facilities: Normalizing, water or oil quenching, tempering and annealing on premises

Testing Facilities: Complete chemical analysis, micrography, radiography, magnetic inspection, tensile test, hardness on premises

Capacity: 450 net tons per month

Steel and Engine Products Limited

Liverpool, Nova Scotia

Contact: H. Earl Thompson

Tel: 354-3483

Area Code: 902

STEEL AND ENGINE PRODUCTS LIMITED, in the foundry business since 1920, produces quality gray iron castings. The foundry provides the type of castings usually required for fishing craft, small naval and commercial ships, industrial machinery. Castings are also produced for products which the company manufactures — oil burners, storage tanks and dragger equipment.

FOUNDRY LOCATION:

STEEL AND ENGINE PRODUCTS LIMITED
Liverpool, Nova Scotia
Tel: 354-3483
Area Code: 902

Type of Castings Produced: Marine; general industrial
Size of Castings Produced: 1 pound to 8,000 pounds
Compositions: Gray iron
Special Processes Used: Sandblast cleaning; jolt squeezers; sand molding
Melting Facilities: 2 cupolas, capacities ½ ton and 2 tons
Heat Treating Facilities: Available nearby
Testing Facilities: Available nearby
Capacity: 20 net tons per month

Supreme Precision Castings (1963) Ltd.

550 Montee de Liesse
Montreal 9, Quebec

Contact: H. H. Johnston

Tel: 747-3528

Area Code: 514

SUPREME PRECISION CASTINGS (1963) LTD. started operations in 1954 mainly to produce castings for the aircraft industry. The company later began to provide castings for the electronics field and is now producing for a variety of industrial uses. Making castings to Royal Canadian Air Force specifications has helped the firm in dealing with export customers, particularly those with defence contracts. It can certify work to class 1A standards. Operating a tool shop, the company makes its own molds (dies) and is able to maintain foundry molds in top condition and give prompt service when new tooling is necessary. Customers' molds may be stored in a fireproof vault free of charge.

FOUNDRY LOCATION:

SUPREME PRECISION CASTINGS (1963) LTD.
550 Montee de Liesse
Montreal 9, Quebec
Tel: 747-3528
Area Code: 514

Type of Castings Produced: Aircraft; electronic; general industrial
Size of Castings Produced: 1 pound to 15 pounds
Compositions: Steel, carbon, alloy, stainless; tool and die steels; cobalt alloys (stellite)
Special Processes Used: Precision investment castings by the lost wax process
Melting Facilities: Induction and electric arc furnaces
Heat Treating Facilities: Facilities to heat-treat any castable steel on premises
Testing Facilities: X-ray, magnaflux, zygló, chemical and physical analysis on premises
Capacity: Varies

Pierre Thibault Canada, Ltd.

Pierreville

Co. de Yamaska, Quebec

Contact: R. Thibault

Tel: 568-3331

Area Code: 514

PIERRE THIBAUT CANADA, LTD. has been manufacturing fire-fighting apparatus since 1908. Its products are sold from coast to coast in Canada and in many countries throughout the world. This family firm has complete facilities for manufacturing fire-fighting apparatus — casting, forging, machining and sheet-iron works — backed by more than 50 years' experience in this specialized field.

FOUNDRY LOCATION:

PIERRE THIBAUT CANADA, LTD.

Pierreville

Co. de Yamaska, Quebec

Tel: 568-3331

Area Code: 514

Type of Castings Produced: Mainly parts for fire pumps
Size of Castings Produced: 1 pound to 350 pounds
Compositions: Gray iron
Special Processes Used: Green sand; shell; baked CO₂ molds and cores
Melting Facilities: Cupola, 36-inch
Heat Treating Facilities: Available nearby
Testing Facilities: Available nearby
Capacity: Varies month to month; 100 net tons per year

Welmet Industries Limited

P.O. Box 458

123 Victoria Street

Welland, Ontario

Contact: R. C. O'Dell

Tel: 734-7462

Area Code: 416

WELMET INDUSTRIES LIMITED — established in 1924 — is noted as Canada's pioneer founders of stainless steel and high alloy casting. The company has served pulp and paper, chemical, mining, heat treating and general manufacturing industries in Canada since its inception — specializing in corrosion and heat resistant castings of various types, rough cast and fully machined. Excellent facilities are available on the premises for pattern making, machining, assembly and fabrication. Welmet has a qualified engineering staff to provide assistance in designing and selecting materials.

FOUNDRY LOCATION:

WELMET INDUSTRIES LIMITED

P.O. Box 458

123 Victoria Street

Welland, Ontario

Tel: 734-7462

Area Code: 416

Type of Castings Produced: Stainless steels, high alloys — all types for all industries
Size of Castings Produced: 1 pound to 5,000 pounds
Compositions: Stainless steels; high alloys, all grades
Special Processes Used: Shell molding; green and dry sand
Melting Facilities: 3 electric arc furnaces, capacities 1, 2 and 4 tons; 2 induction furnaces, capacities 300 and 600 pounds
Heat Treating Facilities: 3 high temperature furnaces with full-quench on premises
Testing Facilities: X-ray, gamma graph, dye penetrant, micro structure, magnaflux, hydrostatic, physical, chemical on premises
Capacity: 125 net tons per month

Western Foundry Co. Ltd.

P.O. Box 460
Wingham, Ontario

Contact: R. W. LeVan

Tel: 357-3450
Area Code: 519

WESTERN FOUNDRY CO. LTD. has been operating in Wingham for more than 60 years. Primarily a stove and heater foundry in earlier years, the company has recently branched into the jobbing business. Specializing in thin section work, the firm produces a highly machinable type of gray iron casting. Several well-known manufacturers of commercial ranges in Canada obtain approximately 95 per cent of their castings from the company. Western Foundry also specializes in burner and radiator castings, including the machining of these components.

FOUNDRY LOCATION:

WESTERN FOUNDRY CO. LTD.
P.O. Box 460
Wingham, Ontario
Tel: 357-3450
Area Code: 519

Type of Castings Produced: Thin section, highly machinable gray iron, classes 20, 25, 30; radiator, burners, commercial cooking equipment, flat-plate

Size of Castings Produced: 1 pound to 1,000 pounds

Compositions: Gray iron and eutectic iron

Special Processes Used: Sand; squeezer; floor, cope and drag

Melting Facilities: Cupola, 54-inch

Heat Treating Facilities: Available nearby

Testing Facilities: Sand on premises; complete laboratory in vicinity

Capacity: 300 net tons per month

Name of Company

		Page Number	GRAY IRON	MALLEABLE IRON	ALLOY IRON	DUCTILE IRON	STEEL	GRINDING BALLS
Anthes Imperial Limited	4	●						
Associated Foundry Limited	4	●						
A. Bélanger Limitée	5	●		●	●			
Benn Iron Foundry Limited	5	●						
Bertram Machine and Tool Company	6	●						
Black Clawson-Kennedy Ltd.	6			●	●	●		
Bowmanville Foundry Co. Limited	7		●					
Canada Iron Foundries, Limited	7	●		●	●			
Canadian Steel Foundries	8				●	●		
Canadian Unitcast Steel, Ltd.	8					●		
Cornwall Brass & Iron Foundries Ltd.	9	●		●				
Crane Canada Limited	9	●	●	●				
Desjardins Limitée	10	●						
Dominion Foundries and Steel, Limited	10					●		
Dorr-Oliver-Long Limited	11	●		●	●			
Ex-Cell-O Corporation of Canada, Limited	11	●						
Fahralloy Canada Limited	12					●		
Fittings Limited	12	●	●					
Forano Limited	13	●		●				
Foster Wheeler Limited	13	●		●				
Galt Malleable Iron Limited	14		●					
Philip Gies Foundry Limited	14	●		●				

Name of Company

Name of Company		Page Number					
			GRAY IRON	MALLEABLE IRON	ALLOY IRON	DUCTILE IRON	STEEL
Gosselin Foundry Inc.	15	●					
John T. Hepburn, Limited	15	●		●			
Hillis & Sons, Limited	16	●		●			
International Harvester Company of Canada, Limited	16	●	●				
International Malleable Iron Co. Limited	17	●	●				
Irving Industries Limited	17			●		●	
Letson & Burpee Ltd.	18	●		●	●	●	
Lunenburg Foundry & Engineering Limited	18	●					
Lynn MacLeod Metallurgy Limited	19			●		●	
Magog Foundry Limited	19	●		●	●		
Mainland Foundry & Engineering Ltd.	20	●		●			
Maritime Steel and Foundries Limited	20					●	
McLean-Bessemer Industries Limited	21			●	●		
Neelon Steel Limited	21					●	●
Quebec Iron Foundries Ltd. and Ocean Foundries Ltd.	22	●		●	●		●
Sorel Steel Foundries Limited	22					●	
Steel and Engine Products Limited	23	●					
Supreme Precision Castings (1963) Ltd.	23					●	
Pierre Thibault Canada, Ltd.	24	●					
Weimet Industries Limited	24					●	
Western Foundry Co. Ltd.	25	●		●			



Canadian Trade Offices in the United States

Boston

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Consul and Trade Commissioner
Canadian Consulate General
510 West Sixth Street
Los Angeles, California, 90014
Tel: MAdison 2-2233 (Area Code 213)

Philadelphia

Consul and Trade Commissioner
Canadian Consulate
3 Penn Center Plaza
Philadelphia, Pennsylvania, 19102
Tel: LOcust 3-5838 (Area Code 215)

Chicago

Consul and Senior Trade Commissioner
Canadian Consulate General
310 South Michigan Avenue
Suite 2000
Chicago, Illinois, 60604
Tel: 427-7926 (Area Code 312)

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Consul and Trade Commissioner
Canadian Consulate General
Suite 1710
225 Baronne Street
New Orleans, Louisiana, 70112
Tel: JAcKson 5-2136 (Area Code 504)

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Consul General
Canadian Consulate General
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Cleveland

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Canadian Consulate
Illuminating Building
55 Public Square
Cleveland, Ohio, 44113
Tel: 861-1660 (Area Code 216)

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Deputy Consul General (Commercial)
Canadian Consulate General
680 Fifth Avenue
New York City, New York, 10019
Tel: JUdson 6-2400 (Area Code 212)

Seattle

Consul General
Canadian Consulate General
The Tower Building
Seventh Avenue at Olive Way
Seattle, Washington, 98101
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Detroit

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Detroit, Michigan, 48226
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1746 Massachusetts Avenue, N.W.
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