

APPENDIX

**INVENTORY OF MAJOR CANADIAN
TOOL AND DIE MANUFACTURERS
FROM 1820 TO 1914**

Name	Place	Years	Production field	Workers	Other
A					
E. E. Abbott	Gananoque, Ont.	1858-1890	tools and machine-tools	30 (1871) 30 (1883)	owner originating from the U.S.; fixed capital; \$5,000 (1871); production value: \$30,000 (1871); driving force: hydraulic, 40 hp (1871); company sold to G. Gillies in 1890
Acme Stamping & Tool Works	Hamilton, Ont.	1913-1915	dies		
F. Albert	Montreal	1818	axes		
Allen, Taylor and Co. (Waterloo Iron Works)	Waterloo, Que.	1857-1871	axes		
J. Amsbury	Oshawa, Ont.	1842	axes		
A. Anderson	East Frampton, Que.	1865-1866	axes		
G. Anderson & Co.	Montreal	1913-1915	stone cutting tools		
M. Anderson	Franktown, Ont.	1865-1866	axes		
J. D. Andrews	St. Stephen, N.B.	1869-1885	axes	13 (1871) 6 (1878) 10 (1884)	production volume: 12,000 tools (1871); production value:\$10,000 (1871); driving force: hydraulic, 100 hp (1871);

					capital: \$10,000 (1885)
W. Arms	Stanstead, Que.	1816-1832	axes and plows		owner originating from Deerfield, Maine
Arms & Brown (Sherbrooke Foundry)	Sherbrooke, Que.	1832-1851	tools and stoves		company manufactured railway construction tools in 1851
Armstrong Axe Factory	Nappenee, Ont.	1850	axes		
Armstrong Bros.	Toronto	1913-1915	dies		
J. Armstrong (Shepherd Axe Factory)	Toronto	1833	axes		
M. Armstrong	Toronto	1913-1915	dies and taps		
T. Armstrong	Addington, Ont.	1851	axes		production volume: 10,000 axes (1851)
E. Asselin	Ste. Famille, Que.	1871	axes	1 (1871)	blacksmith training of the owner; production value: \$523 (1871)
E.C. Atkins Co.	Hamilton, Ont.	1913-1930	saws		American-owned subsidiary; took over Shurly & Dietrich in 1930; Hamilton factory closed in 1930
N. Ault	Lunenburg, Ont.	1865-1871	axes	3 (1871)	blacksmith training of the owner
Axe and Edge Tool Co.	Trois-Rivières, Que.	1893-1895	edge tools	40 (1895)	capital: \$40,000 (1895); N. L. Devencourt, manager in 1895
	Peterborough,	1860-			

P. J. Ayers	Ont.	1866	axes		
P. J. Ayres	Lindsay, Ont.	1871	axes	2 (1871)	owner originating from the U.S.; production volume: 1,560 axes (1871); production value: \$1,950 (1871); driving force: animals
B					
W. Bailey	Alama, Ont.	1865- 1871	axes		carriage maker training of the owner
T. Baker	Waterloo, Ont.	1871	axes		
T. Baker & Co.	Markham, Ont.	1831	axes		
W. H. Banfield & Sons	Toronto	1877- 1919	tinsmith tools, dies and machines	31 (1886)	driving force: steam, 40 hp (1886)
Banner File Co.	Almonte, Ont.	1893- 1895	files	15 (1895)	property of D.S. Shaw and W.A. Mcleod in 1895
J. Barnes	Oakville, Ont.	1864- 1865	edge tools		
H. Barnard Co.	Hamilton, Ont.	1913- 1915	dies		
F. Bausch (Phoenix File Works)	Côte-St-Paul, Que.	1891- 1897	files	20 (1891)	owner originating from Germany; driving force: hydraulic (1891)
		1913-			

Bawden Machine Co.	Toronto	1915	dies		
B.C. Marine Railway Co. [forge]	Victoria	1892-1986	edge tools and sledgehammers		shipyard with blacksmith shop; property of the Bully family until 1914;
M. Beatty & Sons	Welland, Ont.	1895-1897	stone cutting saws		
A. Beauregard	St. Hilaire, Que.	1865-1866	axes		
Beauregard & Co.	St. Hilaire, Que.	1865-1866	axes		
Beaver File Works	Lévis, Que.	1895-1897	files		
Beaver Saw Works	Hamilton, Ont.	1895-1897	saws		
J. Beebe	Uxbridge, Ont.	1865-1866	axes		
S. L. Beebe	Beaverton, Ont.	1865-1866	axes		
S. S. Beebe	Uxbridge, Ont.	1870-1871	axes	2 (1871)	blacksmith training of the owner; production value: \$1,100 (1871); driving force: horses (1871)
W. E. Beebe	Markham, Ont.	1861-1871	axes and carpenter tools	2 (1871)	owner originating from the U.S.; production volume: 200 (1861); production value: \$1,500 (1871)

S. Beech & Co. (Beech File Works)	Hamilton, Ont.	1872- 1897	files		company bought by G.E. Heming in 1882; property of R. Spence & Co. in 1886
M. Bélanger	St. André Avelin, Que.	1865- 1866	axes		
F. Belch	Fenelon Falls, Ont.	1864- 1871	axes		blacksmith training of the owner
B. Bell & Son Co.	St. George, Ont.	1901- 1915	saws		
Bennett & Wright	Toronto	1913- 1915	plumbing tools		
R. Berry	Waterloo, Ont.	1871	axes		
G. H. Bertram and Co. (Toronto File Co.)	Toronto	1897- 1900	files		
J. Bertram & Sons Ltd. (Canada Tool Works)	Dundas, Ont.	1886- 1905	traditional tools (axes, chisels, hammers, saws), machinist tools, boilermaking tools, machines and dies	150 (1886) 125 (1895)	formerly McKechnie & Bertram; driving force: steam 60 hp (1886); in 1891, a steel mill established to provide the axe and hammer factory with steel; capital: \$150,000 (1895); sold in 1905 to American conglomerate Niles-Bement-Pond
P. Bertram Axe Factory	Dundas, Ont.	1887	axes		
S. Bertrand	Prescott, Ont.	1871	axes	2 (1871)	blacksmith training of the owner; production volume: 60 axes (1871);

					production value: \$175 (1871)
J. & S. Bessette	Iberville, Que.	1895-1915	saws		
C. Bill	Liverpool, N.S.	1871	edge tools	6 (1871)	production volume: 5,000 tools (1871); production value: \$4,000 (1871); driving force: hydraulic, 15 hp (1871)
Bill & McKay	Liverpool, N.S.	1838	axes		
J. Bingham (Ottawa Saw Co.)	Ottawa	1895	saws	30 (1895)	capital: \$15,000 (1895)
A. Blackerby	Waterloo, Ont.	1871	axes		
C. Blackton	Saint John, N.B.	1871	saws	4 (1871)	production volume: 1,100 saws (1871); production value: \$5,600 (1871); driving force: hydraulic, 18 hp (1871)
O. Blair	Wentworth East, N.S.	1871	railway tools	1 (1871)	blacksmith training of the owner; production value: \$200 (1871)
P. Blanchet	St. Fabien, Que.	1865-1866	axes		
E. Blasdell	Hawkesbury, Ont.	c.1822-35	axes and farm implements		owner originating from Concord, N.H.
N. S. Blasdell	Ottawa	1835-1871	axes and sawmill machinery	8 (1851) 32 (1871)	owner originating from Shoreham, Vt.; equipped with a trip hammer in 1840; production volume: 10,000 axes (1851); production value: \$44,000 (1871); driving force: hydraulic, 60 hp (1871);

					uncertain if the company still manufactured axes in 1871
T. M. Blasdell	Ottawa	1842-1871	axes and sawmill machinery	16 (1851)	owner from Champlain, Vt.; production volume: 5,160 axes (1851); known as a machinist in 1871; uncertain if the company still manufactured axes in 1871
Blenkhorn & Sons	Canning, N.S.	1871-1915	axes	2 (1871) 10 (1891)	production volume: 1,400 axes (1871), 14,000 axes (1890); production value: \$1,500 (1871)
Boisin & Cie.	Lévis, Que.	1871	axes	16 (1871)	production volume: 36,000 axes and tools (1871); production value: \$30,000 (1871); driving force: hydraulic, 79 hp (1871)
L. Boisvert	Ste. Croix, Que.	1865-1866	axes		
J. R. Booth	Bytown, U.C. (Ottawa)	1853	tools		company destroyed by fire in 1853
D. Boule	Pointe-Lévis, Que.	1865-1866	axes		
Bradley Axe Factory	Nashwaaksis, N.B.	1861-1930	axes		
J. P. Bresee	Philipsville, Ont.	1865-1866	axes		
	Saint John, N.B.				

E.& J.W. Broad		1857	shipwrights' axes		
E.& H. Broad Co.	Saint John, N.B.	1862-1871	shipwrights' axes	12 (1871)	production value: \$10,000 (1871); driving force: steam, 15 hp (1871)
E. Broad & Co.	Milltown, N.B.	1871-1883	shipwrights' axes	14 (1878)	
E. Broad & Sons (St. Stephen Edge Tool Co.)	St. Stephen, N.B.	1883-1900	shipwrights' axes, chisels, hammers, sledgehammers and mining picks	15 (1884) 20 (1895)	capital: \$15,000 (1885); production value: \$15,000 (1885); took over the Douglas Axe Manufacturing Co. in 1885; became a corporation in 1891; capital: \$40,000 (1891); taken over in 1900 by an American company named Mann, and became known as Maritime Edge Tool Co.
H. Broad & Co.	Saint John, N.B.	1877-1901	shipwrights' axes, adzes, chisels and mining tools		
G. A. Bronson (Bronson Axe Factory)	Smith's Creek, Ont.	1851	axes	5 (1851)	
E. Brower	Galt, Ont.	1851	axes		
A. Brown	Raglan, Ont.	1865-1866	axes		
G.& J. Brown Manufacturing Co.	Belleville, Ont.	1846-1897	saws, farm machinery and railway	35 (1887)	

			equipment		
J. Brown	Fredericton	1870-1885	axes	5 (1878) 4 (1884)	capital: \$1,900 (1885); production value: \$3,600 (1885)
S. Brown	Waterloo, Ont.	1871	axes		
W. Brown	Ottawa	1863	axes		
Brown, Boggs and Co.	Hamilton, Ont.	1890-1999	tinsmithing tools, chisels, dies, and presses	12 (1895)	capital: \$11,000 [without buildings] (1895)
J. A. Bube	Uxbridge, Ont.	1864-1865	edge tools		
W. S. Bullock (Roxton Tool and Mill Co.)	Roxton Pond, Que.	1906-1907	planes and wrenches		may have been a partner of the Parmenter & Bullock Co. in Gananoque, Ont. in 1871; bought by Stanley Rule & Level Co. in 1907
Burns & Thomas	Toronto	1890-1915	saws, trowels and knives	25 (1895)	became E.R. Burns Saw Co. in 1891
E. Burrell	Belleville, Ont.	1843-1885	axes	25 (1871)	owner originating from Great Britain; production volume: 36,000 (1871); production value: \$26,000 (1971); driving force:hydraulic, 40 hp (1871)
A. J. Burton Saw Co.	Vancouver, B.C.	1913-1915	saws		
Butterfield & Co.	Rock Island, Que.	1879-	tools and dies	40 (1891)	branch in Derby Line, Vt., in 1891;

		1920	(wrenches, pliers, threaders, tapping machines, cutters, reamers, boring bits, etc.)	40 (1895)	capital: \$50,000 (1895); sold to Union Twist Drill (Athol, Mass.), an American company, ca. 1920; factory moved to Smith Falls, Ont. in 1982
C					
F. E. Came	Montreal	1901	wood and metal-cutting saws		
S. Camfield	Bobcaygeon, Ont.	1864-1865	edge tools		
D. Campbell	Glengarry, Ont.	1865-1871	axes	1 (1871)	blacksmith training of the owner; production value: \$400 (1871)
M. Campbell	Winfield, Ont.	1864-1871	edge tools		blacksmith training of the owner
N. Campbell	Perth, Ont.	1871	axes	3 (1871)	owner originating from Scotland; production volume: 1,500 axes (1871); production value: \$2,000 (1871)
Campbell & Fowler	Saint John, N.B.	1863-1926	shipwrights' axes and other tools	10 (1878) 12 (1884) 10 (1891)	became W. Campbell in 1879; became Campbell Bros. in 1891; liquidated in 1926
Campbell & Jones (Canal Saw Works)	Montreal	1854-1861	saws		production value: \$15,000 (1855); production value: \$15,000 (1856); driving force: hydraulic, 40 hp (1855); sold to Morland, Watson and Co. in 1861

Canada Axe and Harvest Tool Manufacturing Co.	Côte-St-Paul, Que.	1892-1960	axes, saws, saw setters and farm implements		subsidiary of Welland Vale Co. (St. Catharines, Ont.); became Quality Tool Co. in 1914; subsidiary of American Fork and Hoe Corporation from 1930; closed in 1960
Canada Foundries & Forging Limited	Brockville, Ont.	1912-1967	axes, hammers and hardware items	400 (1912)	took over ownership of J. Smart Manufacturing Co. in Brockville, Ont., in 1912; closed in 1967
Canada Machinery Corporation	Galt, Ont.	1910-1915	crosscut saws and machine tools		appears to have ended saw production after 1915
Canada Tool & Speciality Co.	New Glasgow, N.S.	1913-1915	dies		
Canadian Billings & Spencer	Welland, Ont.	1913-1915	screwdrivers, wrenches and wedges		
Canadian Buffalo Forge Co.	Montreal	1913-1915	blacksmith tools		
Canadian Linderman Co.	Woodstock, Ont.	1913-1915	crosscut saws		
Canadian Logging Tool Co.	Sault Ste. Marie, Ont.	1905-1913	axes and tools		machinery and stock sold in 1913 to Canadian Warren Axe & Tool Co. (St. Catharines, Ont.)
Canadian Shovel & Tool Co.	Hamilton, Ont.	1909-1930	tools and shovels		annexed by American Fork and Hoe Corporation in 1930

Canadian Steel Foundry	Montreal	1913-1915	rail pliers to grip rails		
Canadian Tap and Die Co.	Galt, Ont.	1913-1915	threaders		
Canadian Warren Axe & Tool Co.	St.Catharines, Ont.	1912-1951	axes, forestry and sawmill equipment		subsidiary of Warren Axe & Tool Co, in Warren, Pa.; bought machinery from the Canadian Logging Tool Co. in Sault Ste.Marie, Ont. in 1913; acquired Thomas Pink Co. in Pembroke, Ont. in 1928; opened another subsidiary in Vancouver in 1930; sold to ETF Tools Limited (St. Catharines, Ont.) in 1951
Canadian Yale & Towne	St.Catharines, Ont.	1913-1915	locksmithing tools		
Cant Bros. & Co.	Dundas, Ont.	1895	tools		
E. Cantin	Quebec	1871-1874	planes	2 (1871)	fixed capital: \$2,000 (1871); production value: \$600 (1871)
L. Cantin	Quebec	1871-1873 1882	planes	2 (1871)	fixed capital: \$2,000 (1871); production value: \$800 (1871)
L. Cantin	St. Anselme, Que.	1889	planes		thought to be the same as in Quebec City
L.-E. Cantin	Quebec	1850	tools		

J. Caslor	Toronto	1886	saws and butcher knives		
D. Chabot	St. Charles de Bellechasse, Que.	1865-1866	axes		
J. Chalifoux	Montreal	1871	axes	2 (1871)	blacksmith training of the owner; production value: \$700 (1871); driving force: horses (1871)
O. Chalifoux	St. Hyacinthe, Que.	1865-1871	axes	2 (1871)	production volume: 1,691 axes (1871); production value: \$1,000 (1871); driving force: horses (1871)
S. Chambers	Norwich, Que.	1887	axes		
W.C. Chapman	Pembroke, Ont.	1868-1871	axes	3 (1871)	production value: \$4,000 (1871)
Chatham Malleable & Steel Manufacturing Co.	Chatham, Ont.	1913-1915	shovels		
J. Clark	Smithfield, Ont.	1865-1871	axes	2 (1871)	owner originating from Ireland; blacksmith training; production value: \$1,000 (1871)
J. Cleland	Montreal, Ont.	1870-1915	die cutters for leather and rubber		
F.-X. Clermont	Rivière-du-Loup, Que.	1865-1866	axes		
		1865-			

L. Cleveland	Richmond, Que.	1866	axes		
X. Cloutier	L'Islet, Que.	1865-1866	axes		
B. J. Coghlin Co.	Montreal	1913-1960	railway tools (pliers, wrenches, scissors, hammers, mallets, levers, etc.)		taken over by the Ontario Steel Product conglomerate in 1960 and by Rockwell Standard Corporation in 1963
R.S. Collins	Smith Falls, Ont.	1852-1871	axes	1 (1871)	production volume: 300 axes (1871); production value: \$375 (1871)
R. P. Colton	Gananoque, Ont. and Brockville, Ont.	1834-1885	blacksmith tools and farm machinery		owner originating from Oswego County, New York
C. Cone	Onslow, Ont.	1871	axes	3 (1871)	production volume: 1,500 axes (1871); production value: \$2,250 (1871); driving force: horses (1871)
G. Conley	Alma, N.S.	1847-1903	axes	3 (1871)	production value: \$1,500 (1871); driving force: hydraulic, 16 hp (1871); hydraulic (1903); company closed in 1903
N. Consigne	Quebec	1871	axes	4 (1871)	blacksmith training of the owner
J. Cooper	Woodbourne, Ont.	1864-1866	edge tools		
J. Cooper	Binbrook, Ont.	1865-	axes		owner originating from Ireland

		1871			
W. Cooper	St. Ann, N.B.	1871	axes, canthooks, picks and carriages	7 (1871)	blacksmith-carriage maker training of owner; production volume: 810 tools (1871)
B. Corbeille	St. Lin, Que.	1865- 1866	axes		
G. Corry	Perth, Ont.	1864- 1888	axes	3 (1871)	blacksmith training of the owner; production value: \$3,500 (1871)
J. Cowan	Saint John, N.B.	1895- 1897	chisels		
Cowan & Britton	Gananoque, Ont.	1895- 1915	screwdrivers and hardware		nail manufacturer since 1861
Cowan & Co.	Galt, Ont.	1913- 1915	saws and machine-tools		
Crane	Kingston, Ont.	1857	planes		
J. Curry	Amaranth, Ont.	1871	farm implements	1 (1871)	blacksmith training of the owner; production value: \$1,000 (1871)
D					
G. Dack	Pakenham, Ont.	1865- 1871	axes	2 (1871)	blacksmith training of the owner; production value: \$1,500 (1871)
J. Dakin	Digby, N.S.	1871	edge tools	3 (1871)	blacksmith training of the owner;

					production value: \$1,500 (1871)
S. Dalpé	Roxton Pond, Que.	1858- 1895	planes	4 (1871)	fixed capital: \$860 (1871); production value: \$2,520 (1871); driving force: hydraulic (1871); associate of P. Nicol from 1873-1876; company bought by A. Monty in 1896
W.C. & G. Danon	Tilsonburg, Ont.	1865- 1866	axes		
H.H. Date (Galt Axe Factory) (Wellington Works) (Galt Edge Tool Works)	Galt, Ont.	1843- 1869	axes		company ceased operations before 1869; bought by J. Warnock in 1870; H.H. Date started a new company in St. Catharines, Ont. with Mr. Tuttle and Mr. Rodden in 1869
H. H. Date (Date's Patent Steel)	Toronto	1875	axes		
G. W. Dawson	Montreal	1878- 1894	bookbinding tools	6 (1894)	
J. Dawson	Montreal	1851- 1874	planes	2 (1854) 1 (1861) 5 (1871)	owner originating from Great Britain; worked as a journeyman at the A. Wallace workshop in Montreal in 1846; fixed capital: \$2,000 (1871); production value: \$5,000 (1871); company started up again by T. Dawson in 1875
T. Dawson	Montreal	1875- 1877	planes		company acquired from J. Dawson

Decbul Tools	Montreal	1913-1915	screwdrivers and metal saws		
J. De Mott	York, Ont.	1857	axes		
W. H. Dernott	Ottawa	1865-1866	axes		
J.-B. Desforges	Montreal	1813-1857	planes		second to manufacture planes in Canada
A. Desjardins	Rigaud, Que.	1865-1866	axes		
A. Desmarais	St. Ours, Que.	1865-1866	axes		
T. Devlin	Renfrew, Ont.	1871	axes		
T. Dickson	Peterborough, Ont.	1865-1866	axes		
R. Dillon & Son	Oshawa, Ont.	1913-1915	saw setters		
H. Disston & Sons	Toronto	1913-1957	saws and files		subsidiary of an American company in Philadelphia, Pa.; sold to an American company, H. K. Porter, which ran the factory until 1980; afterwards, owned by Sandvik Corp., which moved its facilities to Mississauga, Ont.; closed in 1983

W. L. Distin	Galt, Ont.	1864-1865	edge tools		
G. Dodds	Alton, Ont.	1864-1870	axes		
G. Dodds	Orangeville, Ont.	1865-1866	axes		
G. Dodds	Caledon, Ont.	1871	axes	1 (1871)	owner originating from Scotland; production volume: 300 axes (1871); production value: \$350 (1871); driving force: hydraulic, 10 hp (1871)
Dominion Die Co.	Montreal	1913-1915	die cutter for leather and rubber		
R. Donaldson (Hecla Iron Works)	Montreal	1876-1909	ice cutting equipment and machines	10 (1888)	owner originating from Scotland; driving force: steam, 6 hp (1888)
J.-B. Doré & Fils	Montreal	1913-1915	reciprocating saws		
Douglas Axe Manufacturing Co.	St. Stephen, N.B.	avt.1885	axes		U.S. company (East Douglas, Mass.) that added a subsidiary in St. Stephen, N.B.; purchased in 1885 by E. Broad & Sons of St. Stephen, N.B.
F. J. Drake	Belleville, Ont.	1895-1897	hammers		
J. Draper, sr	Keswick, Ont.	1865-	axes		

		1871			
E. Drury	Saint John, N.B.	1851-1869	planes	3 (1851)	born in 1792 in Sheffield, England; emigrated to Canada in 1835; may have managed a hardware store in Saint John from 1836 to 1839
J. Drury	Saint John, N.B.	c.1867	planes		carpenter training of the owner
J. Dryburgh, Sr.	Toronto	1856-1858	planes		
J. Dryburgh, Jr.	Perth County, Ont.; North East Hope, Ont.; Bright, Ont.	1858-1906	planes	5 (1871)	owner originating from Scotland; fixed capital: \$200 (1871); production volume: 2,000 planes (1871); production value: \$1,500 (1871); company located in Hope, Ont. in 1881, and in Bright, Ont, between 1895 and 1897
W. Dryburgh	Toronto	1858-1892			
A. Drysdale	Pakenham, Ont.	1865-1866	axes		owner from Scotland; became blacksmith-carrier in 1871
J. Duchesne	Rigaud, Que.	1865-1866	axes		
Dunlop & Co.	Pembroke, Ont.	1895-1897	axes		
F. W. Dunn	Woodstock, Ont.	1887	saws		

E					
A. W. Eaman	Lunenburg, Ont.	1865-1871	axes	2 (1871)	blacksmith training of the owner
W. A. Earle	Shannonville, Ont.	1864-1865	edge tools		
J. Edwards	Saint John, N.B.	c.1867	edge tools		
J. C. Edwards	Portland, N.B.	1878-1885	edge tools	3 (1878) 3 (1884)	
J. Egan	Montreal	1864-1865	edge tools		
Electric Meter & Stamping Co.	New Hamburg, Ont.	1913-1915	dies		
A. Elliot	Saint John, N.B.	1871	files	3 (1871)	production value: \$2,500 (1871); driving force: steam (1871)
W. A. Elliot	Toronto	1913-1915	dies		
O. Émond	Quebec	1870-1885	planes		
V.-A. Émond	Quebec	1870-1917	tools and planer machines	6 (1871)	fixed capital: \$1,600 (1871); production volume: 5,000 tools of all kinds (1871); production value: \$5,000 (1871)

J. E. Evans	Wentworth East, N.S.	1871	railway tools	10 (1871)	
F					
Fairgrieve Metal & Stamping Co.	Toronto	1913- 1915	dies		
J. Faulkner	Scot's Mills, Ont.	1865- 1866	axes		
I.C. Fell & Co.	Toronto	1895- 1897	hammers		
J. Fleming	London, Ont.	1868- 1871	axes		
B. Flint	Belleville, Ont.	1864- 1865	edge tools		influential merchant and forestry contractor in Upper Canada
J. Flint	St.Catharines, Ont.	1856- 1870	saws		owner originating from Rochester, N.Y.; open another shop in Hamilton in 1858; company sold to R.H. Smith in 1870 for \$30,000
J. Flint	Hamilton, Ont.	1858	saws		owner originating from Rochester, N.Y.
D. Ford	Huntingdon, Que.	1865- 1866	axes		
Forges du Saint- Maurice	Trois-Rivières, Que.	1872- 1876	axes		most labourers hired in Ottawa; the workshop is said to have employed

					two Oliver-brand tilt hammers
I. J. Foster	Brockville, Ont.	1857	axes		
J. C. Foster	Combermere, Ont.	1880	axes		
T. Foster (Dundas Axe Works)	Pembroke, Ont.	1850- 1908	axes		named J.&W. Foster ca. 1908
J. Fowler	Montreal	1868- 1888	knives, moulder's tools and plastering tools		driving force: steam (1888)
J. Fowler Co.	Saint John, N.B.	1877- 1920	axes, hammers, springs and axles		capital: \$50,000 (1895); sold and liquidated in 1920
S. Francis (Renfrew Axe Factory)	Renfrew, Ont.	1849- 1882	axes	2 (1871)	owner originating from Ireland; production value: \$2,000 (1871); driving force: hydraulic, 20 hp (1871)
A. Frasier	North Victoria, Ont.	1865- 1866	axes		
Frazer & Leonard	Vancouver, B.C.	1890	axes		
Frothingham and Co. (St. Paul Hardware Axe and Edge Tool Co.)	Côte-St-Paul, Que.	1860- 1929	edge tools (scythes, shovels, axes etc.)	94 (1861) 43 (1871)	merchants bought W. Parkyn's property around 1860; axes provided by J. J. Higgins in 1860; production volume: 137,400 tools (1861); 108,000 tools (1871); production value: \$105,170 (1861); driving force: two hydraulic wheels of 106 hp (1871); plant supervised by R. Scott from 1871 to

					1879; sold to Excelsior Products in 1929
G					
J. Gabb	Toronto	1833	planes		
N. Gabrain	Waterloo, Que.	1865- 1866	axes		
Garant Inc.	Montmagny, Que.	1895- 1999	axes and shovels		
W. R. Gardiner (Gardiner Tool Works) (Vulcan Tool Works)	Côte-St-Paul, Que. and Sherbrooke, Que.	1887- 1899	edge tools and hammers	40 (1888)	owner originating from Scotland; company acquired from W. H. Warren in 1887; subsidiary in Brockville, Ont. ca. 1890-99; company relocated to Sherbrooke in 1895; bought by J. Smart Manufacturing Co. of Brockville, Ont., in 1899
R. Gardner (Novelty Iron Works)	Montreal	1850- 1942	tools, dies and machines	13 (1861) 32 (1871) 50 (1894)	owner originating from Scotland; fixed capital: \$9,600 (1861); driving force: steam 8 hp (1861); 100 hp (1894); became Braidwood & Sons in 1942
J. Gauron	Lotbinière, Que.	1865- 1866	axes		
Gervin & Hurd	Cookshire, Que.	1865- 1866	axes		

G. Gilmore	Côte-St-Paul, Que.	1855-1965	augers and bits	27 (1886)	owner originating from Claremont, N.H.; production value: \$27,000 (1871); \$45,000 (1886); driving force: hydraulic (1887); closed in 1965
Gilmour Bros & Co.	Montreal	1913-1915	edge tools and screwdrivers		
Gilson Manufacturing Co.	Guelph, Ont.	1913-1915	saws		
W. Glover	Ashton, Ont.	1865-1866	axes		owner originating from Great Britain
A.-G. Godard	St. Ours, Que.	1865-1866	axes		
Goddard & Crosby	Sweetsburg, Que.	1865-1866	axes		
Good Manufacturing Co.	Niagara Falls, Ont.	1913-1915	plumbing tools		
G. T. Gorrie Ltd.	Toronto	1901	dies		
H. Graham	Bridgewater, Ont.	1864-1871	axes		
T. H. Graham (Graham Files Works)	Toronto	1874-1895	files and rasps	10 (1885) 10 (1895)	owner originating from Sheffield, England; company managed by T.H., E.A and F.R. Graham in 1886;

					files manufactured from melted steel imported from England; production value: \$9,000 (1885); capital: \$4,000 (1895)
Granby Hardware Manufacturing Co.	Granby, Que.	1913-1915	saws		
N. Granes	Waterloo, Que.	1865-1866	axes		
H. Gravelle	Hull, Que.	1865-1866	axes		
W. Green	Bellwood, Ont.	1890	axes		
W. J. Greenwood (Plane Stock Factory)	Chatham, Ont.	1871	planes	6 (1871)	owner originating from Great Britain; production volume: 50,000 planes (1871); production value: \$7,500 (1871); driving force: steam, 10 hp (1871)
R. Griffith	Brockville, Ont.	1857	axes		
W. Gunson	North Keppel, Ont.	1865-1871	axes	1 (1871)	owner originating from Great Britain; trained as a blacksmith
H					
S. Haines	Lennox, Ont.	1861	axes		
Halifax Shovel Co.	Halifax	1891-1895	shovels	14 (1895)	capital: \$15,000 (1895)

Hall Machine Works	Vancouver, B.C.	1913-1915	dies		
J. H. Hall & Sons	Brantford, Ont.	1913-1915	threaders		
W. B. Hall	Castlebar, Que.	1865-1866	axes		
W. & G. Hall and Co.	Huntingdon, Que.	1865-1866	axes		
N. Hamel	St. Roch des Aulnaies, Que.	1865-1866	axes		
W. Hamilton and Co.	Peterborough, Ont.	1913-1915	hammers		
Hamilton Facing Mill Co.	Hamilton, Ont.	1913-1915	moulder's tools		
Hamilton Gear Co.	Toronto	1913-1915	dies		
Hamilton Stamp & Stencil Works	Hamilton, Ont.	1913-1915	dies		
S. Hanes	Newburgh, Ont.	1865-1871	axes		
J. H. Hanson-Tilley Co.	Montreal	1913-1915	files		
T. Hastings	Markham, Ont.	1861-	axes	1 (1871)	production volume: 250 axes (1861);

		1871			production value: \$300 (1871); driving force: animals (1871)
P. Hay (Galt Machine Knife Works)	Galt, Ont.	1882-1900	edge tools (axes, hand-held and mechanized planing knives, etc.)	13 (1895)	capital: \$12,000 (1895)
S. & W. Hedge	Montreal	1835-1842	axes		owners originating from the U.S.; company sold to W. Rodden in 1842
G. E. Heming (Ontario Files Works)	Hamilton, Ont.	1882	files		succeeded S. Beech & Co.
J. J. Higgins	Côte-St-Paul, Que.	1855-1879	edge tools (axes, scythes and shovels)	50 (1870) 38 (1871)	company rented from W. Parkyn in 1855; sub-contractor for Frothingham & Co. in 1860; production volume: 36,000 axes (1856); 60,000 axes (1870); 72,000 axes and tools (1871); production value: \$45,000 (1871); driving force: hydraulic 35 hp (1871); closed in 1879; building bought by W.H.Warren in 1881
A. Hills Edge Tool Co.	Galt, Ont.	1861-1915	axes, canthooks and hammers		
T. Hocking	Montreal	1866-1885	dies		
Holden Co.	Montreal	1913-	metal-cutting		

		1915	saws		
R. Holt (Dundas Axe Factory)	Dundas, Ont	1852- 1859	axes		company acquired from G. Leavitt in 1852; destroyed by fire in 1859
J. Hourigan (Dundas Edge Tool Works)	Dundas, Ont.	1859- 1910	edge tools (axes, adzes, machine knives)	5 (1870) 14 (1871)	owner originating from Ireland; production volume: 30,000 axes (1870); production value: \$15,000 (1871); driving force: two hydraulic turbines, 25 hp each; one steam engine, 25 hp and a 30 hp boiler (1870)
W. Howe	Antrim, Ont.	1865- 1871	axes	1 (1871)	production value: \$500 (1871)
W. Hulshy	Downeyville, Ont.	1865- 1866	axes		
A. Hunter	Carleton Place, Ont.	1865- 1871	axes	2 (1871)	blacksmith training of the owner; production value: \$1,500 (1871)
R. Hunter	Caledon, Ont.	1851	axes		
J. R. Hutchins (File and Spring Co.)	Côte-St-Paul, Que.	1878- 1891	files and springs		company purchased from W. Kinmond ca. 1878; production value: \$40,000 worth of files (1886); driving force: hydraulic (1887); in association with a Mr. Duffy in 1891; company burned down in 1891
C. Hutchison	Reach, Ont.	1871	edge tools	2 (1871)	production volume: 300 axes, 100 picks

					(1871); production value: \$650 (1871)
W. H. Hutton (Montreal Saw Works)	Montreal	1880- 1897	saws	15 (1882)	merchant activity of the owner; company purchased from Morland, Watson & Co. in 1880; managed by C. M. Whitlaw; driving force: hydraulic (1887)
I					
G. Ibbotson	Toronto	1871	edge tools (saws and knives)	1 (1871)	owner originating from Great Britain; production value: \$520 (1871)
Invincible Renovator Manufacturing Co	Toronto	1913- 1915	plumbing tools and threaders		
Ives & Allen	Montreal	1861- 1897	hammers and cast iron stoves	30 (1861)	fixed capital: \$10,000 (1861); annual production value: \$18,000 (1861); driving force: steam (1861)
J					
A. B. Jardine and Co.	Hespeler, Ont.	1870- 1917	tools, dies and machines	20 (1895)	capital: \$30,000 (1895)
J.-B. Jean	St. Roch des Aulnaies, Que.	1865- 1866	axes		

G. Jeffrey	Lindsay, Ont.	1871	axes	2 (1871)	owner originating from Scotland; production volume: 1,800 axes (1871); production value: \$2,250 (1871)
Jenckes Machine Co.	Sherbrooke, Que.	1895- 1901	driller dies		
N. Jobin	Quebec	1871	axes	3 (1871)	blacksmith training of the owner
Johnson, Thompson & Co. (Montreal Malleable Iron Works)	Montreal	1854- 1864	tools (wrenches and circular saws), threshing machines, rifle barrels, etc.	50 (1864)	W.C. Thompson originating from the U.S; said to be first to produce malleable iron in the U.S. in 1826
Johnston & Hickey	Dundas, Ont.	1865- 1866	axes		
D. F. Jones Manufacturing Co.	Gananoque, Ont.	1852- 1963	shovels and forks	55 (1871) 75 (1883)	production volume: 180,000 shovels and pitchforks (1871); 1,200,000 shovels and forks (1898); production value: \$80,000 (1871); driving force: hydraulic, 150 hp (1871); capital: \$125,000 (1895); addition of a rolling mill in 1887; became Ontario Steel Product Co. in 1913 after merging with Gananoque Spring Manufacturing. Co.; became an independent company once again in 1931; taken over by Welland Vale in 1963; closed that same year

K					
P. Kelly	Berwick, Ont.	1865-1871	axes		owner originating from Ireland; trained as a boilermaker in 1871; company was likely located in Kingston, Ont., in 1871
Kieffer & Quesnel	Montreal	1885-1891	dies	10 (1888)	Louis Kieffer originating from Alsace; driving force: steam, 15 hp (1888)
T. Kilpatrick	Minden, Ont.	1865-1866	axes		
J. King	Renfrew, Ont.	1871	axes		production volume: 1,100 axes (1871); production value: \$1,552 (1871)
J. King	New Carlow, Que.	1887	axes		
W. L. Kinmond & Co. (Canada File Works)	Côte-St-Paul, Que.	1870-1876	files and springs	29 (1871)	owners originating from Dundee, Scotland; production value: \$40,000 (1871); driving force: hydraulic, 40 hp (1871); company sold to J.R. Hutchins in 1878
P. Kyle	Merrickville, Ont.	1895-1897	hammers		hammers made from malleable iron
L					

P. Labelle	Ste.Angélique, Que.	1865- 1866	axes		
P. Labelle, sr	Papineauville, Que.	1865- 1866	axes		
V. Labonté	L'Avenir, Que.	1865- 1866	axes		
Lachute Shuttle Co.	Lachute, Que.	1913- 1915	forestry equipment		
A. Lacour	Ottawa	1865	axes		
C. P. Ladd (Montreal Foundry and City Works)	Montreal	1850- 1851	axes and stoves	37 (1851)	foundry rented out by W. Rodden to C.P. Ladd; production volume: 8,000 axes (1851); driving force: steam (10 hp)
P. Laliberté	Ste.Croix, Que.	1865- 1866	axes		
G. Lamontagne	Pointe-Lévis, Que.	1865- 1866	axes		
R. Laven	Dundas, Ont.	1852	axes		
R. Lawrence	Saint John, N.B.	1825	edge tools		
J. F. Lawton Saw Co.	Saint John, N.B.	1877- 1897	saws	6 (1878) 3 (1884) 12 (1895)	temporarily closed in 1877 after a major fire; capital: \$10,000 (1895)

G. Leavitt & Co. (Dundas Axe Factory)	Dundas, Ont.	1842- 1852	axes		sold to R. Holt in 1852
A. Leclaire	Ste.Scholastique, Que.	1865- 1866	axes		
Z. Lecouffe	New Richmond, Que.	1865- 1866	axes		
C. Lemon & Co.	Augusta, Ont.	1836- 1871	axes	2 (1871)	fixed capital: \$400 (1871); production value: \$400 (1871); driving force: hydraulic, 10 hp (1871); axes made with steel
Letson & Burpee	Vancouver, B.C.	1913- 1915	tinsmithing tools and dies		
A. Lindsay	Aylmer, Que.	1863- 1866	axes		
F. Lisson	Merrickville, Ont.	1865- 1866	axes		
T. Little	Wentworth East, N.S.	1871	railway tools	1 (1871)	blacksmith training of the owner; production value: \$800 (1871)
Littler, Maw & Co.	Dundas, Ont.	1864- 1878	tools and machine-tools	18 (1871)	owner originating from Great Britain; driving force: steam 12 hp (1871)
London Foundry Co.	London, Ont.	1913- 1915	blacksmith tools		
P. Long	Sherbrooke, Que.	1865- 1866	axes		

T. Loy	Arnprior, Ont.	1865-1866	axes		
Lumen Bearing Co.	Toronto	1913-1915	dies		
T. Lusignan	St. Hilaire, Que.	1865-1866	axes		
M					
T. McAvity & Sons	Saint John, N.B.	1901	plumbing tools		
A. McCargar	Carleton, Ont.	1865-1866	axes		
MacDonald & Sons	Toronto	1913-1915	plumbing tools		
R. Mc Dougall & Co.	Montreal	1901	blacksmith drills		
H. McEwen	Middleville, Ont.	1865-1871	axes		owner originating from Scotland; trained as a blacksmith
McFarlane-Neill Manufacturing Co.	St. Mary, N.B.	1865-1900	forestry equipment		sold to Thomas Pink Co. (Pembroke, Ont.), ca. 1900
R. McKechnie	Dundas, Ont.	1891	axes		possessed a foundry and a new machine shop in 1891; driving force: steam, 80 hp (1891)
McKechnie & Bertram	Dundas, Ont.	1864-	tools and	70 (1870)	owners originating from Scotland;

(Canada Tool Works)		1886	machines	80 (1871)	fixed capital: \$30,000 (1871); production value: \$60,000 (1871); driving force: steam 35 hp (1871); became Bertram & Sons in 1886; nothing indicates that the company manufactured tools after 1886
McLennan Foundry & Machine Works	Campbelton, N.B.	1913- 1915	reciprocating saws		
J. McPherson	Goderich, Ont.	1865- 1871	axes	2 (1871)	production volume: 500 axes (1871); production value: \$625 (1871); driving force: steam 13 hp (1871)
M. McVeigh	Ile-aux- Allumettes, Que.	1865- 1866	axes		
T. Machin	Toronto	1884- 1888	planes		
T. Madjett	Seneca, Ont.	1871	tools and cutlery	5 (1871)	owner originating from Great Britain; trained as a machinist ; production value: \$1,500 (1871); driving force: hydraulic, 16 hp (1871)
T. Magnan	Quebec	1871	tools		blacksmith training of the owner
Magnetic Hammer Co.	St. Hyacinthe, Que.	1895- 1897	hammers		
Manitoba Engine Limited	Brandon, Man.	1913- 1915	circular saws		
J. Manning	Strathroy, Ont.	1864-	edge tools		owner originating from Great Britain;

		1871			trained as a blacksmith
Maritime Edge Tool Co.	St. Stephen, N.B.	1900-1943	axes		consequence of the buying of E. Broad & Sons (St. Stephen Edge Tool) by Mann, an American Co., in 1900; became the Mann Axe and Tool Co. in 1911; factory closed in 1943
Maritime Lead and Saw Works	Saint John, N.B.	1884-1885	saws	17 (1884)	
G. Marriott (Kingston Axe Factory)	Kingston, Ont.	1854	axes		
C. Marsolais	St. Sulpice, Que.	1865-1866	axes		
J. Martin	Oshawa, Ont.	1852-1871	axes		
E. Mayhew	Renfrew, Ont.	1871	axes		
Middleditch & Sons	Amherstburg, Ont.	1865-1866	axes		
J. P. Millener	Kingston, Ont.	1855-1860	edge tools (axes, planes, cold chisels, etc.) and hammers	70 (1860)	owner lived in Rochester, N.Y.; the company benefited from forced convict labour in Kingston prison workshops; production volume: 24,000 axes and 6,000 planes (1860); production value: \$19,000 (1860); driving force: steam (1860);

					employed a trip hammer and power grinders; company closed in 1860
J. D. Miller	Waterloo, Ont.	1871	edge tools	2 (1871)	owner originating from Germany; trained as a blacksmith; production value: \$1,000 (1871)
L. Milligan	Newburgh, Ont.	1865- 1866	axes		
J. Milloy	Markham, Ont.	1865- 1871	axes	1 (1871)	owner originating from Ireland; production value: \$1,000 (1871)
J. Mills	Renfrew, Ont.	1871	axes		
W. D. Mills	Dundee, Que.	1865- 1866	axes		
T. J. Moccock (Montreal Axe and Edge Tool)	Montreal	1880- 1889	axes	25 (1882) 24 (1889)	son of W. Moccock; driving force: hydraulic (1887)
W. Moccock	Montreal	1864- 1870	axes		sold to Morland, Watson & Co. in 1870; Moccock became the company's supervisor thereafter
Modern Machine & Electrical Works	Toronto	1913- 1915	metal-cutting saws and dies		
A. Monty	Roxton Pond, Que.	1896- 1930	planes	11 (1901)	company closed in 1930
M. Moody & Sons	Terrebonne, Que.	1865-	axes,	100 (1895)	

		1915	reciprocating saws and farm machinery		
S. Moore	Hamilton, Ont.	1871	axes and tools	3 (1871)	owner originating from Ireland; production value: \$3,000 (1871); driving force: steam, 5 hp (1871)
T. Moore	Cooksville, Ont.	1869	axes		
P. Morin	Pointe-Lévis, Que.	1865- 1866	axes		
Morin & Germain	Stanfold, Que.	1865- 1866	axes		
Morland Watson & Co. (Montreal Axe Works)	Montreal	1870- 1880	edge tools (axes, adzes, planing knives) and hammers	25 (1871)	merchant activity by owners; company bought from W. Moccock, who became the supervisor in 1870; fixed capital: \$ 20,000 (1871); production volume: 84,000 axes (1870); 60,000 axes (1871); production value:\$ 70,000 (1871); driving force: hydraulic, 20 hp (1871); sold to T. J. Moccock, son of the former supervisor, in 1880
Morland ,Watson & Co. (Montreal Saw Works)	Montreal	1861- 1880	saws	17 (1861) 50 (1868) 40 (1871)	merchant activity of the owners; company acquired from Campbell & Jones in 1861; fixed capital: \$30,000 (1871); production value: \$20,000 (1861);

					driving force: hydraulic (1861); hydraulic, 40 hp (1871); sold to W. Hutton in 1880 and managed by C. M. Whitlaw thereafter
J. L. Morrison	Toronto	1913- 1915	dies		
J. Morrow Machine Screw Co.	Ingersoll, Ont.	1901- 1915	dies and bits		
H. Mueller Manufactu- ring Co.	Sarnia, Ont.	1913- 1915	plumbing tools		
J. Murchie	St. Stephen, N.B.	1871	axes	13 (1871)	production volume: 36,000 tools (1871); production value: \$25,000 (1871); driving force: hydraulic (1871)
N. Murchison	Islay, Ont.	1864- 1865	edge tools		
E. Murray	Hull, Que.	1865- 1866	axes		
N					
National Machine Co.	Brighton, Ont.	1913- 1915	blacksmith tools		
National Tool Axe Works	Trois-Rivières, Que.	1901	axes		

J. Neads	Bowmanville, Ont.	1865-1871	axes		machinist training of the owner
S. Neugent	Holt, Ont.	1865-1871	axes		
Nicholson File Co.	Port Hope, Ont.	1909-1975	files		subsidiary of an American company headquartered in Providence, R.I.; bought by F. Outram around 1909; closed around 1975
P. Nicol	Roxton Pond, Que.	1881-1890	tools		partner of S. Dalpé, 1873-1876
Niles-Bement-Pond	Dundas, Ont.	1905-1926	tools and machines		American company that bought J. Bertram & Sons in 1905; factory sold to Canadian interests in 1926
J. Norris	Saint John, N.B.	1871-1885	augers and braces	1 (1871) 1 (1878) 2 (1884)	production value: \$3,000 (1871); driving force: steam, 25 hp (1871)
O					
Oshawa Malleable Iron Works	Oshawa, Ont.	1872-1882	adjustable wrenches		owned by W. P. and J. Cowan; imported labourers from the state of New York; held a patent for a model of an adjustable wrench in 1882
F. Osler	Gananoque, Ont.	1871	files	2 (1871)	owner originating from Great Britain;

					production volume: 1,900 files (1871); production value: \$750 (1871)
F. Osler	Hamilton, Ont.	1895- 1897	files		
M. Ouellette	Hull, Que.	1865- 1866	axes		
F. Outram (Globe File Manufactu- ring Co.)	Port Hope, Ont.	1888- 1909	files and rasps	52 (1895)	capital \$60,000 (1895); came under ownership of the American company, Nicholson File Co., ca. 1909
G. Outram & Sons (Dominion File Works)	Montreal	1869- 1888	files	25 (1882) 30 (1885) 25 (1886) 25 (1888) 30 (1888)	owner originating from Sheffield, England; driving force: hydraulic, 15 hp (1888); company moved to Port Hope, Ont. in 1888
P					
G. Padfield	Lisadel, Ont.	1865- 1871	axes		owner originating from Great Britain
T. Paradis	Kamouraska, Que.	1865- 1866	axes		
S. H. Park	Danville, Que.	1864- 1866	axes		
M. Parker	Montreal	1895- 1897	hammers		

W. Parkyn (Hydraulic Works)	Côte-St-Paul, Que.	1855- 1860	axes and shovels		owner of two factories: an axe factory and a shovel factory; rented the axe factory to J. J. Higgins in 1855; operated the shovel factory until 1860, after which he sold the two factories to John Frothingham
Parmenter & Bulloch[k]	Gananoque, Ont.	1864- 1903	braces, wrenches and hardware items	14 (1871) 35 (1883) 35 (1895)	Joel and James Parmenter originating from the U.S.; possibly W. S. Bullock, owner of Roxton Tool Co. in 1906; production value: \$25,000 (1871); driving force: hydraulic, 20 hp (1871); braces workshop sold to U.S.Co. Stanley Rule and Level Co. in 1903
A. Partetance	Vaudreuil, Que.	1865- 1866	axes		
Patterson & Heward	Toronto	1895- 1915	dies		
E. L. Perkins	Ottawa	c.1870-91	tools and machine-tools		son of L. Perkins; driving force: steam, 20 hp (1887); manufactured a saw patented by Perkins & Mousseau in 1887; equipped the J. R. Booth sawmill in 1891
L. Perkins	Bytown, U.C. (Ottawa)	c.1834-70	axes and tools		worked for Philemon Wright in Hull from 1826 to 1834; opened a smithy in Bytown in 1834 and a

					foundry at the same location in 1840
Peterborough Machine & Lubricator Co.	Peterborough, Ont.	1913-1915	dies		
P. & J. Phelps	Merriton, Ont.	1881-1885	hammers		
Pictou Foundry & Machine Co.	Pictou, N.S.	1913-1915	tinsmithing tools		
T. Pink Co.	Pembroke, Ont.	1866-1928	axes and other forest equipment		owned a machine shop that repaired sawmills; acquired McFarlane-Neill Manufacturing Co.(St. Mary, N.B.), ca. 1900; taken over by the U.S. company Warren Axe & Tool Co. from Warren, Pa. in 1928
J. Platston	Kirk's Ferry, Que.	1865-1866	axes		
W. Polden	Norwich, Ont.	1864-1871	edge tools		blacksmith training of the owner
D. Power	Lunenburg, N.S.	1871	naval tools	3 (1871)	blacksmith training of the owner; production value: \$1,000 (1871)
Pratt & Whitney	Dundas, Ont.	1906-1936	plumbing tools, dies and threaders		branch of Pratt & Whitney (Hartford, Conn.)
Prescott Emery Wheel Co.	Prescott, Ont.	1895-1897	boring bits and sanders		
Preston Woodworking	Preston, Ont.	1911-	crosscut saws and		closed in 1963

Machinery Co.		1963	machines-tools		
Pritchard-Andrews Co.	Ottawa	1895-1997	dies and presses		closed in 1997
A. E. Proctor and Co.	Belleville, Ont.	1851-1871	axes		owner originating from the U.S.; had business ties with E. Burrell of Belleville, Ont. in 1871
E. Proulx	Ottawa	1857-1865	axes		production volume: 400 axes per day (1857)
C. Pryne	Pembroke, Ont.	1865-1866	axes		
Q					
Quality Tool Co.	Côte-St-Paul, Que.	1914-1930	axes, saws, saw setters and farm implements		new name given to the Canada Axe and Harvest Tool Manufacturing Co. in 1914; subsidiary of Welland Vale Co. (St. Catharines, Ont.), subsidiary of American Fork and Hoe Corp. in 1930
T. Quesnel	Vaudreuil, Que.	1865-1866	axes		
R					
Radcliff Saw Manufacturing Co.	Toronto	1913-1915	saws		

Renfrew Axe Factory	Renfrew, Ont.	1849-1882	axes		
D.M. Renney	Stouffville, Ont.	1864-1865	edge tools		
H. Richardson Co.	Saint John, N.B.	1877	saws		closed due to a major fire in Saint John, in 1877
J. Ridgeway	Saint John, N.B.	1860	files		
L. P. Rixford (Rixford Mfg. Co.) (Bedford Axe Mfg. Co.)	Bedford, Que.	1864-1895	axes		subsidiary of Welland Vale Co. (St. Catharines, Ont.) from 1895; subsidiary of American Fork and Hoe Corp. from 1930
J. Robertson and Co.	Montreal	1869-1901	saws, files and lead pipes	46 (1871) [18 working at the saw's workshop]	production value of saws: \$36,274 (1871); subsidiaries in Toronto, Saint John, Winnipeg, and Baltimore, Md.; became a corporation in 1892, with \$750,000 in capital
J. Robertson and Co.	Toronto	1871-1905	saws, files and lead pipes	50 (1886)	fixed capital: \$98,827 (1872); driving force: steam, 75 hp (1886)
P. Robertson	Ottawa	1875	axes		
P.L. Robertson Manufacturing Co.	Milton, Ont.	1908-1968	screwdrivers and square screws	75 (1913) 500 (1951)	exclusive manufacturer of square screws patented by P. L. Robertson in 1907; subsidiary in Gillingham, England, from 1913 to 1920; sold to Procor, an American group, in 1968

J. Robinson	Bridgewater, Ont.	1864-1865	edge tools		
W. Rodden (Montreal Foundry and City Works)	Montreal	1842-1850 1852-1868	axes, stoves and wagons wheels		foundry bought from W. Hedge in 1842; driving force: steam, 10 hp (1850); rented to C. P. Ladd from 1850 to 1852; sold to W. Clendenning in 1868
S. & G. Rodgers	Toronto	1864-1871	edge tools	4 (1871)	knifemaker training of S. Rodgers; production value: \$6,000 (1871)
Rolph & Clark	Toronto	1913-1915	dies		
Royal & Percy File Works	Galt, Ont.	1873-1886	files and saws	7 (1886)	company founded by M. Royal originating from the U. S.; M. Percy thought to have joined in 1883
W. Russell (Russell's Novelty Works)	Guelph, Ont.	1886	pliers, shearing knives and saw setters		
S					
B. Sanderson	Stanstead, Que.	1864-1866	edge tools		
E. Sargent	Peterborough, Ont.	1871	augers	2 (1871)	blacksmith training of the owner; production value: \$1,500 (1871)
G. Schell	Port Hoover, Ont.	1865-1866	axes		

R. Scott	Montreal	1850-1857	axes, augers, etc.	76 (1856)	owner originating from the U.S.; labourers hired in the U.S.; production volume: 1,000 tools per day (1856); driving force: hydraulic, 100 hp (1856); went bankrupt in 1857; foreman for Frothingham and Co., from 1871 to 1879.
W. Scully	Montreal	1913-1915	dies		
A. Seaman & Co.	River Herbert, N.S.	1871	grinding wheels for edge tools	98 (1871)	factory included a workshop and an open-pit mine; production volume: 1,600 tons of abrasive stone and 8,000 scythe sharpeners (1871); production value: \$32,000 (1871); driving force: two steam engines, 40 hp and 25 hp (1871)
Seely Combination Axe and Tool Co.	Sault Ste.Marie, Ont.	1914	edge tools		
N. Sevenbrick	Ashburnham, Ont.	1864-1865	edge tools		
S. Shaw	Toronto	1851	axes		
H. Shepard	North York, Ont.	1827	axes		
Shurly & Dietrich (Maple Leaf Saw)	Galt, Ont.	1873-1973	saws and other tools	9 (1873) 4 (1874) 70 (1886)	owners originating from Rochester, N.Y.; labourers imported from Rochester and Sheffield in 1873;

Works)				90 (1895)	start-up capital: \$12,000 (1873); driving force: steam, 75 hp (1886); acquired R. H. Smith and Co. of St. Catharines (Ont.) in 1893; capital: \$125,000 (1895); became sole property of J. Dietrich in 1910; purchased in 1930 by E.C. Atkins Co., an American company with a subsidiary in Hamilton; closed in 1973
P. Sibley	Sherbrooke, Que.	1864-1866	axes		
J. Sicard, de Carufel	Maskinongé, Que.	1864-1865	edge tools		
Simonds Canada Saw Co.	Montreal	1912-1989	saws, files and machine knives		headquartered in Fitchburg, Mass.; company moved to Granby in 1962; closed in 1989
Sleeper & Akhurst	Coaticook, Que.	1913-1915	reciprocating saws		
T.F.W. Smallwood	Toronto	1871	saw blade holder	1 (1871)	owner originating from the U.S.; production value: \$800 (1871)
J. Smart Manufacturing Co.	Brockville, Ont.	1854-1912	tools, hardware items and stoves	160 (1871) 400 (1912)	owner originating from Scotland; fixed capital: \$32,000 (1871); production value: \$140,000 (1871); driving force: steam, 32 hp (1871); between 1881 and 1911, the company

					acquired Smart & Sheppard, Chown & Cunningham, Brockville Wringer Co. and J. Briggs & Son; took over Gardiner Tool Co. (Montreal) in 1899; sold to Canada Foundries & Forging Ltd in 1912
J. Smillie	Kippen, Ont.	1865-1871	axes		owner originating from Scotland
J. Smith	Montreal	1867-1868	files and farm machinery		
J. Smith	Peterborough, Ont.	1871	axes		
R. Smith	London, Ont.	1864-1871	axes	1 (1871)	owner originating from Great Britain
R. H. Smith Co. (St. Catharines Saw Works)	St. Catharines, Ont.	1870-1893	edge tools (saws, knives, trowels, etc.)	31 (1871) 60 (1882) 50 (1893)	owner originating from Rochester, N.Y.; acquired J. Flint of St. Catharines, Ont., in 1870; production value: \$55,000 (1871); driving force: hydraulic, 40 hp, and steam, 18 hp (1871); exclusive manufacturer of the Simonds saw; company acquired by Shurly & Dietrich of Galt, Ont., in 1893
C. Soucy	Isle Verte, Que.	1865-1866	axes		

R. Spence & Co.	Hamilton, Ont.	1913-1915	files		
S. Spiller	Saint John, N.B.	1820-1889	axes, chisels, hammers and sledgehammers	6 (1871)	became Spiller Bros. in 1867; production value: \$5,000 (1871); driving force: steam (1850); steam, 6 hp (1871)
Standard Tool & Axe Co.	Trois-Rivières, Que.	1908	axes		
Stanley Rule and Level Co.	Gananoque, Ont.	1903	brace bits		result of the acquisition of Parmenter & Bulloch's brace workshop in 1903
Stanley Rule and Level Co. (Roxton Tool & Mill Co.)	Roxton Pond, Que.	1907-1985	planes, axes and wrenches		American company that took over W.S. Bullock (Roxton Tool & Mill Co.) in 1907; thought to own three subsidiaries in Canada in 1932; became Stanley Works in 1935; closed in 1985
D. Starr & Sons	Halifax	1860	axes		
Starr Manufacturing Co.	Halifax	1893-1895	dies		
Steers & Long	Sherbrooke, Que.	c.1880	planes		manufactured metal planes; company included a foundry
A. Stevens	St.Félix de Valois, Que.	1864-1865	edge tools		

Stevens, Hamilton & Co.	Galt, Ont.	1886-1915	forestry equipment and machines	30 (1895)	capital: \$20,000 (1895)
J.Stevenson & E.P.Ross	Kingston, Ont.	1850-1855	edge tools	50 (1855)	J. Stevenson live in Napanee, Ont.; H.C. and E.P. Ross live in Port Byron, N.Y.; used convict labour in Kingston prison workshops; company closed in 1855
St. Maurice Tool and Axe Works	Trois-Rivières, Que.	1895-1897	edge tools and hammers		
E. Storms	Cressy, Ont.	1865-1866	axes		
G. Story	Ashburnham, Ont.	1864-1871	axes	3 (1871)	owner originating from Canada; production volume: 1,664 axes (1871); production value: \$2,080 (1871)
J. Story	Millbrook, Ont.	1865-1871	axes		owner originating from Great Britain; trained as a blacksmith
Strathroy Manufacturing Co.	Strathroy, Ont.	1872-1891	chisels and farm implements	40 (1887)	became a corporation in 1886; production volume: 100,000 chisels (1891); driving force: steam, 40 hp (1887); company supervised by J.H. English in 1887
Superior Manufacturing Co.	Toronto	1913-1915	dies and stamping hammers		

W. Sutton Compound Co.	Toronto	1901	dies		
J. Swetman	Montreal	1826-1832	planes		owner originating from Bath, England; emigrated to the U.S. in 1809; worked as a journeyman in Baltimore, Md., 1809-1816; operated a planes factory in Pittsburgh, Pa., from 1818 to 1820; came to Montreal, ca. 1821-1825; lived near Kingston in 1825; returned to Montreal in 1826; thought to be the first planes manufacturer in Canada
T					
J. Taylor	Newburg, Ont.	1871-1887	axes	6 (1871)	owner originating from Great Britain; production volume: 3,000 axes (1871); production value: \$3,800 (1871); driving force: hydraulic, 10 hp (1871)
Taylor & Forbes	Guelph, Ont.	1913-1915	saw setters		
Taylor, Scott and Co.	Palmerston, Ont.	1913-1915	saws		
D. Thomas	Pembroke, Ont.	1865-1866	axes		

Thomas Bros. Limited	St. Thomas, Ont.	1913-1915	saws		
Thomas & Hardwick	Port Medway, N.S.	1871	axes	3 (1871)	blacksmith training of the owner; driving force: hydraulic, 2 hp (1871)
J. Thompson	Saint John, N.B.	1895-1897	saws		
W. H. Thorne & Co.	Saint John, N.B.	1901	saws		
Tongue & Co.	Hull, Que.	1860-1866	axes		Samuel J. Tongue, founder
Tongue, Browne & Co.	Ottawa	1864-1865	axes		Samuel J. Tongue, founder
Toronto Axe Factory	Toronto	1844	axes		
Toronto Stamp and Stencil Works	Toronto	1913-1915	dies		
W. Tost	Glen Williams, Ont.	1864-1865	edge tools		
T. Toy	Arnprior, Ont.	1857-1871	axes	2 (1871)	production volume: 1,800 axes (1871); production value: \$2,125 (1871); driving force: hydraulic, 25 hp (1871)
L.-P. Trottier	Trois-Rivières, Que.	1887	axes		
J. Turner & Son	Toronto	1913-1915	metal-cutting saws and dies		

Tuttle, Date & Rodden (Welland Vale Works)	St.Catharines, Ont.	1869- 1874	edge tools (axes and chisels), cooper's instruments, farm implements	120 (1871)	E.C. Tuttle originating from the U.S.; H.H. Date originating from Great Britain; fixed capital: \$75,000 (1871); production value: \$137,000 (1871); driving force: hydraulic, 350 hp (1871); sold to W. Chaplin in 1874; became Welland Vale Manufacturing Co.
V					
C. Vale	Toronto	1851	axes		
D. Van Sickel	Houghton, Ont.	1864- 1865	edge tools		
J. Veasey	St. Stephen, N.B.	1871	edge tools	2 (1871)	production value: \$400 (1871)
J. Veitch	Bridgewater, Ont.	1864- 1865	edge tools		
Victory Tool and Machine Co.	Montreal	1914- 1949	dies		company founded by Jos. Mathieu in 1914
J. B. Vogt	Wroxeter, Ont.	1865- 1871	axes		
W					
A. Wallace and Sons	Montreal	1843- 1885	planes	2 (1846) 6 (1861) 2 (1871)	A. Wallace originating from Dundee, Scotland; in association with his son from 1845;

					fixed capital: \$4,000 (1861); fixed capital: \$248 (1871); production value: \$3,000 (1861); production value: \$1,600 (1871)
W. Wallace	Trois-Rivières, Que.	1895- 1897	stamping hammers		
H. Walters	North Easthope, Ont.	1851	axes		owner originating from Sheffield, England
H. Walters	Ottawa	1871	axes		owner originating from Great Britain
H. Walters & Sons (Walters Axe Co.)	Hull, Que.	1886- 1973	axes, forest equipment, hammers, files, etc.	20 (1910)	H. Walters originating from the U.S.; thought to have spent time in Sheffield, England before settling in Canada; factory bought from S. Washburn in 1886; driving force: hydraulic energy until 1901, when the company introduced its first electric motors; subsidiary in Ogdenburg, N.Y. in the 20th century; closed in 1973
J. Walters	Hull, Que.	1865- 1866	axes		
J. Walturs	Nepean, Ont.	1871	axes		owner originating from Great Britain
Ward & Lafontaine	Belleville, Ont.	1852	axes		
I. B. Warner	Lanark, Ont.	1850	axes		
J. Warnock & Co.	Galt, Ont.	1870-	edge tools (axes,	31 (1871)	owner originating from Scotland;

(Galt Edge Tool and Carriage Spring Works)		1910	chisels, adzes), hammers, pliers, cooper's instruments and springs	75 (1895)	J. Warnock & Co. was a commercial company founded in 1846; the tool factory was acquired with the purchase of H. H. Date's Galt Axe Factory in 1870; production value of tools: \$40,000 (1871); driving force: hydraulic and steam (1870); hydraulic, 40 hp (1871); capital: \$80,000 (1895)
Warren Axe Tool Co. see Canadian Warren Axe & Tool Co.					
H. H. Warren (Vulcan Tool Works)	Montreal	1858-1861	tools		
W. H. Warren	Côte-St-Paul, Que.	1881-1887	edge tools and hammers	50 (1881)	company acquired from J.J. Higgins in 1881; patent holder for invention of hammer dies in 1886; driving force: hydraulic (1887); sold to W. R. Gardiner in 1887
S. Washburn (Chaudiere Island Axe Factory)	Chaudiere Island, Hull, Que.	1854-1886	axes	12 (1871)	production volume: 18,600 axes (1871); production value: \$15,900 (1871); driving force: hydraulic, 100 hp (1871); company sold to H. Walters in 1886
Welland Vale Manufacturing Co.	St.Catharines, Ont.	1874-1965	axes, saws and farm implements	70 (1879) 85 (1882) 120 (1886)	owned by W. Chaplin originating from Scotland; company created after purchase of Tuttle,

				130 (1888) 130 (1895) 225 (1900)	Date & Rodden in 1874; driving force: hydraulic and steam (1874); production value: \$100,000 (1879); acquired A. S. Whiting (Oshawa, Ont.) in 1886; subsidiary created in Côte-St-Paul, Que., in 1892 under the name of Canada Axe and Harvest Tool; took over Bedford Manufacturing Co. (Bedford, Que.) in 1895; capital: \$50,000 (1895); took over Wallingford Manufacturing Co. in 1910 (Wallingford, Vt.); sold to the American Fork & Hoe Corp. (Cleveland, Ohio) in 1930; closed in 1965
W. P. Welton	Merrickville, Ont.	1860	axes		
... Welton	Mount Forest, Ont.	1865- 1866	axes		
Westport Manufacturing & Plating Co.	Westport, Ont.	1913- 1915	dies		
John White	Hastings, Ont.	1864- 1865	edge tools		
A. S. Whiting (Oshawa Manufacturing Co.)	Oshawa, Ont.	1852- 1886	axes and farm implements	52 (1871)	owner originating from Winsted, Conn.; start-up capital: \$75,000 (1852); labour imported from Connecticut; became Whiting & Tuttle (1858-1867); became Whiting & Cowan (1867-1872);

					production value: \$100,000 (1871); driving force: hydraulic, 70 hp (1871); sold to Welland Vale Manufact. Co. in 1886
Whitman & Barnes	St.Catharines, Ont.	1870- 1915	edge tools (axes, chisels and stone- cutting knives), wrenches, screwdrivers, hammers and bits		American company thought to be headquartered in Akron, Ohio, in 1892; thought to be managed by G. Burch in 1892
W. M. Wilcox	Prince Albert, Ont.	1865- 1866	axes		
A. Wilke	London, Ont.	1859	axes		
S. F. Willard	Roxton Pond, Que.	1888- 1891	planes		owner born in U.S. in 1824
D. T. Willett	Chambly, Que.	1874- 1885	shovels and hoes		
J. Willis	Saint John, N.B.	1865	planes		
J. & D. Willis	Saint John, N.B.	1865	planes		
T. Willis	Saint John, N.B.	1865	planes		
R. T. Wilson	Dundas, Ont.	1882	axes and farm implements		
W. Wilson & Son	Saint John, N.B.	1878- 1915	saws	5 (1878) 3 (1884)	

J. Wood	Saint John, N.B	1814-1825	edge tools		
J. Wood	Montreal	1895-1897	saws		
T. Worswick	Guelph, Ont.	1871	edge tools and machine-tools	10 (1871)	owner originating from Great Britain; driving force: steam, 6 hp (1871)
J. Wrightly	Newburgh, Ont.	1865-1866	axes		
E. Wrim	Collfield, Ont.	1865-1868	axes		
Y					
W. Yeats (London Machine Tool Co.)	London, Ont.	1880-1895	tools and machine-tools	70 (1895)	
W. D. Young -	St. Catharines, Ont.	1871	saws		owner originating from Scotland

Sources: ANC, RG 31, Recensement Nominatif de 1861; Recensement industriel de 1871; H. Beaumont Small, *Products and Manufactures of the New Dominion* (Ottawa: G. E. Desbarats, 1868); B.T.A. Bell, *The Canadian Mining, Iron and Steel Manual, 1895* (Ottawa: 1895), pp. 263-265; Elizabeth Bloomfield, *Industrial Leaders: the Largest Manufacturing Firms of Ontario in 1871* (Guelph, Ont.: University of Guelph, 1989); *Canadian Manufacturer* (Toronto), 1882-1900; *Canadian Trade Index, 1901,1913-1915*; *Guide to the Manufactures of Ontario and Quebec* (Montreal: W. T. Urquhart & H. L. Forbes, 1870); *Industries of Canada: City of Montreal* (Montreal: Historical

Publishing Co., 1886); *Industries of Canada: Historical and Commercial Sketches of Toronto and Environs* (Toronto: M. G. Bixby & Co., 1886); *Industries of Canada: Historical and Commercial Sketches of Hamilton ...* (Toronto: M. G. Bixby & Co., 1886); Allan Klenman, *Axemakers of North America* (Victoria, B.C.: Whistle Punk Books, 1990); Larry McNally, *Dictionary of Nineteenth Century Mechanics* (à paraître); Larry McNally, "Water-Powered Tool Making on the Lachine Canal", *Yesterday's Tools* 13, no. 5 (nov. 1996): pp. 9-14; *Mitchell's Canada Gazetteer and Business Directory*, 1864-1866; *Mitchell's Canada Classified Directory*, 1865-1866; *Reports Relative to Manufacturing Interests in Existence in Canada* (Ottawa: MacLean, Roger and Co., 1885); Robert Tremblay, *Du forgeron au machiniste: l'impact social de la mécanisation des opérations d'usinage dans l'industrie de la métallurgie à Montreal, de 1815 à 1860*, Thèse de Ph.D. (histoire), Université du Québec à Montreal, 1992; Robert Westley, "Canadian Edge Tools Manufacturers in 1871", copie manuscrite, 1997; Robert Westley, *Guide to Canadian Plane Makers & Hardware Dealers* (Kingston, Ont.: MacLachlan Woodworking Museum, 1997).