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Division des industries manufacturières et primaires

Vol. 5, No. 12

CONSUMPTION OF FERRO-ALLOYS AND ADDITION AGENTS, (1) 1976

STATISTICS CANADA STATISTIQUE CANADA

CONSOMMATION DE FERRO-ALLIAGES ET DE PRODUITS D'ADDITION(1) 1976

DEC 8 1977

TABLE 1. Consumption of Ferro-alloys and Addition Agents, 1976

TABLEAU 1. Consommation de ferro-alliages et de produits d'addition, 1976

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Used during 1976 Utilisé en 1976

	Gross weight Poids brut	Metal content Métal contenu	Gross weight Poids brut	Metal content Métal contenu
Used during 1976 Utilisé en 1976				
Ferro-alliages — Ferro-alliages:				
1. Ferroboron — Ferrobore	11	..	10	..
2. Ferrochrome (including Chrom-x) — Ferrochrome (y compris Chrom-x):				
High carbon — Forte teneur en carbone	24,570	14,095	22 290	12 787
Low carbon (maximum 2% carbon) — Faible teneur en carbone (maximum 2 % de carbone)	10,899	6,446	9 887	5 848
3. Ferromanganese — Ferromanganèse:				
High carbon (over 3% carbon) — Forte teneur en carbone (plus de 3 % de carbone)	71,008	..	64 417	..
Medium carbon — Teneur moyenne en carbone	8,921	..	8 093	..
Low carbon (maximum 0.75% carbon) — Faible teneur en carbone (maximum 0.75 % de carbone)	567	..	514	..
4. Ferromolybdenum — Ferromolybdène	298	175	270	159
5. Ferrophosphorus — Ferrophosphore	2,507	..	2 274	..
6. Ferroselenium — Ferrosélénum
7. Ferrosilicon(2) — Ferrosilicium(2):				
Low silicon grade (under 45% silicon) — Faible teneur en silicium (moins de 45 % de silicium)	8,513	..	7 723	..
Medium silicon grade — Teneur moyenne en silicium	38,270	..	34 718	..
High silicon grade (over 55% silicon) — Forte teneur en silicium (plus de 55 % de silicium)	21,264	..	19 290	..
Sil-X	3	..	3	..
8. Ferrotitanium — Ferrotitanate	27	15	24	14
9. Ferrotungsten — Ferrotungstène	84	61	76	55
10. Ferovanadium	434	340	394	308
11. Ferrozirconium	350	44	318	40
12. Silico manganese — Silico manganèse	11,754	..	10 663	..
13. Spiegeleisen	286	..	259	..
14. Other, including ferrocolumbium, ferrotantalum-columbium, etc. — Autres, y compris ferrocolumbium, ferrotantale-columbium, etc.	28,770	988	26 100	897

See footnote(s) at end of Table 2. — Voir note(s) à la fin du tableau 2.

December — 1977 — Décembre

5-3304-755

TABLE 1. Consumption of Ferro-alloys and Addition Agents, 1976 - Concluded

TABLEAU 1. Consommation de ferro-alliages et de produits d'addition, 1976 - fin

	Used during 1976 - Utilisé pendant 1976			
	Gross weight Poids brut	Metal content Métal contenu	Gross weight Poids brut	Metal content Métal contenu
	tons of 2,000 pounds tonnes de 2,000 livres		metric - tonnes - métriques	
Addition agents - Produits d'addition:				
15. Aluminum metal - Aluminium-métal	6,621	..	6 006	..
16. Calcium-manganese silicon - Silicium au calcium-manganèse	36	..	33	..
17. Calcium silicon - Silicium au calcium	662	..	601	..
18. Chrome ore - Minerai de chrome	270	50	245	45
19. Cobalt metal - Cobalt-métal	75	..	68	..
20. Manganese metal - Manganèse-métal	1,739	..	1 578	..
21. Molybdc oxide - Oxyde molybdique	1,804	1,110	1 637	1 007
22. Nickel:				
Briquettes	126	..	114	..
Electrolytic - Electrolytique	1,319	..	1 197	..
Ingots - Lingots	29	..	26	..
"F" shot and ingots - "F" grenaille et lingots	31	..	28	..
Other, including oxide sinter, "NCC" pig, "NH" pig, "XX" shot, etc. - Autres, y compris travertin d'oxyde, "NCC" saumon, "NH" saumon, "XX" grenaille, etc.	5,077	..	4 605	..
Total nickel	7,451	..	6 758	..
23. Other, including calcium metal, manganese ore, tungsten ore, etc. - Autres, y compris calcium-métal, minerai de manganèse, minerai de tungstène, etc.	19,352	3,757	17 555	3 408

See footnote(s) at end of Table 2. - Voir note(s) à la fin du tableau 2.

TABLE 2. Stocks of Ferro-alloys and Addition Agents, 1976

TABLEAU 2. Stocks de ferro-alliages et de produits d'addition, 1976

	On hand December 31, 1976 - En main au 31 décembre 1976			
	Gross weight Poids brut	Metal content Métal contenu	Gross weight Poids brut	Metal content Métal contenu
	tons of 2,000 pounds tonnes de 2,000 livres		metric - tonnes - métriques	
Ferro-alloys - Ferro-alliages:				
1. Ferroboron - Ferrobore	16	..	15	..
2. Ferrochrome (including Chrom-X) - Ferrochrome (y compris Chrom-X):				
High carbon - Forte teneur en carbone	2,472	1,337	2 243	1 213
Low carbon (maximum 2% carbon) - Faible teneur en carbone (maximum 2 % de carbone)	833	530	756	481
3. Ferromanganese - Ferromanganèse:				
High carbon (over 3% carbon) - Forte teneur en carbone (plus de 3 % de carbone)	9,015	..	8 178	..
Medium carbon - Teneur moyenne en carbone	1,939	..	1 759	..
Low carbon (maximum 0.75% carbon) - Faible teneur en carbone (maximum 0.75 % de carbone)	148	..	134	..
4. Ferromolybdenum - Ferromolybdène	149	77	135	70
5. Ferrophosphorus - Ferrophosphore	716	..	650	..
6. Ferroselenium - Ferrosélénium	1	..	1	..
7. Ferrosilicon(2) - Ferrosilicium(2):				
Low silicon grade (under 45% silicon) - Faible teneur en silicium (moins de 45 % de silicium)	746	..	677	..
Medium silicon grade - Teneur moyenne en silicium	3,240	..	2 939	..
High silicon grade (over 55% silicon) - Forte teneur en silicium (plus de 55 % de silicium)	2,655	..	2 409	..
Sil-X	2	..	2	..

See footnote(s) at end of table. - Voir note(s) à la fin du tableau.

TABLE 2. Stocks of Ferro-alloys and Addition Agents, 1976 - Concluded

TABLEAU 2. Stocks de ferro-alliages et de produits d'addition, 1976 - fin

	On hand December 31, 1976 - En main au 31 décembre 1976			
	Gross weight Poids brut	Metal content Métal contenu	Gross weight Poids brut	Metal content Métal contenu
	tons of 2,000 pounds tonnes de 2,000 livres		metric - tonnes - métriques	
Ferro-alloys - Concluded - Ferro-alliages - fin:				
8. Ferrotitanium - Ferrotitanane	40	25	36	23
9. Ferrotungsten - Ferrotungstène	58	42	53	38
10. Ferovanadium	163	121	148	110
11. Ferrozirconium	24	3	22	3
12. Silico manganese - Silico manganèse	1,763	..	1 599	..
13. Spiegeleisen	54	..	49	..
14. Other, including ferrocolumbium, ferrotantalum-columbium, etc. - Autres, y compris ferrocolumbium, ferrotantale- columbium, etc.	3,895	167	3 534	152
Addition agents - Produits d'addition:				
15. Aluminum metal - Aluminium-métal	647	..	587	..
16. Calcium-manganese silicon - Silicium au calcium-manganèse	7	..	6	..
17. Calcium silicon - Silicium au calcium	230	..	209	..
18. Chrome ore - Minerai de chrome	51	11	46	10
19. Cobalt metal - Cobalt-métal	19	..	17	..
20. Manganese metal - Manganèse-métal	483	..	438	..
21. Molybdic oxide - Oxyde molybdique	155	90	141	82
22. Nickel:				
Briquettes	57	..	52	..
Electrolytic - Electrolytique	151	..	137	..
Ingots - Lingots	5	..	5	..
"p" shot and ingots - "F" grenaille et lingots	7	..	6	..
Others, including oxide sinter, "NCC" pig, "NH" pig, "XX" shot, etc. - Autres, y compris travertin d'oxyde, "NCC" saumon, "NH" saumon, "XX" grenaille, etc.	1,316	..	1 194	..
Total nickel	1,536	..	1 394	..
23. Other, including calcium metal, manganese ore, tungsten ore, etc. - Autres, y compris calcium-métal, minéral de manganèse, minéral de tungstène, etc.	7,720	3,272	7 004	2 975

(1) Ferrous and non-ferrous alloying addition agents used in the production of steel, cast iron, cupro nickel, coinage, magnet alloy, etc. - Produits d'addition d'alliages ferreux et non ferreux utilisés dans la production d'acier, de fonte, de cupronickel, de monnayage, d'alliages magnétiques, etc.

(2) Does not include ferrosilicon used in production of magnesium. - N'inclus pas le ferrosilicium utilisé dans la production du magnésium.

.. Figures not available. - Nombres indisponibles.

List of Reporting Consumers
Liste des consommateurs répondants

Name — Nom	Plant location — Localisation de l'usine
A-1 Steel & Iron Foundry Ltd.	(2, 3, 7, 14, 15, 17, 21, 22) Vancouver, B.C. — C.-B.
Abex Industries of Canada Ltd.	(2, 3, 7, 12, 15, 16, 22) Joliette, Qué.
	(2, 3, 7, 12, 15, 17, 21, 22) Selkirk, Man.
Aimco Automotive Industries	(3, 7) St. Catharines, Ont.
Alcan Smelters & Chemicals Ltd.	(7, 20, 22) Montréal, Qué. (7, 20) Kitimat, B.C. — C.-B.
Algoma Steel Corp'n Limited, The	(1, 2, 3, 5, 7, 8, 10, 12, 14, 15, 21, 22, 23) Sault Ste. Marie, Ont.
Alloy Foundry Co. Ltd.	(7) Merrickville, Ont.
Anaconda Canada Limited	(15, 20, 22, 23) Toronto, Ont.
Anthes Western Ltd.	(3, 7, 14) Winnipeg, Man.
Associated Foundry Ltd.	(3, 7) Surrey, B.C. — C.-B.
Atlas Steels (A Division of Rio Algom Ltd.)	(1, 2, 3, 4, 7, 14, 15, 17, 21, 22) Tracy, Qué. (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23) Welland, Ont.
Babcock & Wilcox Canada Ltd.	(2, 3, 4, 7, 15, 22) Cambridge (Galt), Ont.
Bell City Foundry (Brantford) Ltd.	(7) Brantford, Ont.
Bell Foundry Co. Ltd.	(3, 7, 14, 22) St. James, Man.
Benn Iron Foundry Ltd.	(2, 3, 7, 22) Wallaceburg, Ont.
Bibby Foundry	(3, 7) Cambridge (Galt), Ont.
Black Clawson-Kennedy Ltd.	(2, 3, 4, 7, 10, 11, 14, 15, 17, 22, 23) Owen Sound, Ont.
Brown Foundry Ltd.	(7) Morrisburg, Ont.
Burlington Steel Co. (A Division of Slater Steel Industries Ltd.)	(2, 3, 4, 7, 10, 12, 14) Hamilton, Ont.
CAE Machinery Ltd.	(2, 3, 4, 7, 12, 14, 15, 17, 22, 23) Vancouver, B.C. — C.-B.
Canada Alloy Castings Ltd.	(2, 3, 4, 7, 9, 15, 17, 18, 19, 22) Kitchener, Ont.
Canada Valve Ltd.	(2, 14) Kitchener, Ont.
Canadian Blower & Canada Pumps Ltd.	(2, 3, 7, 15, 18, 22) Kitchener, Ont.
Canadian Steel Wheel Ltd.	(3, 7, 12, 15) Montréal, Qué.

List of Reporting Consumers - Continued

Liste des consommateurs répondants - suite

Name — Nom		Plant location — Localisation de l'usine
Canron Limited (Pipe Division)	(7, 14, 23) (2, 3, 4, 7, 14, 22)	Trois-Rivières, Qué. Hamilton, Ont.
	(3, 4, 5, 7, 14, 23)	St. Thomas, Ont.
	(3, 12, 14, 18, 23)	Toronto, Ont.
Canron Limited (Wabi Iron Works)	(2, 3, 4, 7, 14, 22)	New Liskeard, Ont.
Chromasco Corporation Limited	(7, 15)	Haley, Ont.
Crawford Machine & Foundry Ltd.	(7)	Woodstock, Ont.
Crowe Foundry Ltd.	(2, 7)	Cambridge (Hespeler), Ont.
Colt Industries (Canada) Ltd. (Crucible Steel Division)	(1, 2, 3, 4, 7, 8, 9, 10, 12, 14, 15, 17, 20, 21, 22, 23)	Sorel, Qué.
Date Industries Ltd.	(7)	Ayr, Ont.
Dayton-Walther Company Limited	(2, 3, 4, 7, 12, 15)	Guelph, Ont.
Deloro Stellite Limited	(2, 7, 19, 22, 23)	Belleville, Ont.
Domfer Metal Powders Ltd.	(4, 22)	Lachine, Qué.
Dominion Bridge Co. Limited	(2, 3, 4, 7, 22)	Edmonton, Alta. - Alb.
Dominion Colour Corporation Limited	(21)	Toronto, Ont.
Dominion Engineering Works Ltd.	(2, 3, 5, 7, 12, 21, 22)	Lachine, Qué.
Dominion Foundries & Steel, Limited	(2, 3, 5, 7, 8, 10, 11, 14, 21, 22)	Hamilton, Ont.
Dorr-Oliver-Long Ltd.	(2, 3, 4, 5, 7, 8, 22, 23)	Orillia, Ont.
Esco Ltd.	(2, 3, 4, 7, 11, 12, 21, 22)	Port Coquitlam, B.C. - C.-B.
Fahramet Ltd.	(2, 3, 4, 7, 8, 9, 12, 14, 22)	Orillia, Ont.
Findlay Foundry Ltd.	(7, 22)	Carleton Place, Ont.
Fittings Limited	(1, 3, 7)	Oshawa, Ont.
Fonderie de Thetford (1969) Inc., La	(2, 3, 7, 23)	Thetford Mines, Qué.
Fonderie Magog Ltée.	(2, 3, 7, 11, 17)	Magog, Qué.
Fonderie Ste-Croix Ltée., La	(3, 7, 14)	Ste-Croix (Lotbinière), Qué.
Fonderies Monsarrat Ltée., Les	(7)	Rivière-du-Loup, Qué.
Footills Steel Foundry & Iron Works Ltd. (Irving Industries)	(2, 3, 4, 7, 11, 12, 15, 16, 22)	Calgary, Alta. - Alb.

List of Reporting Consumers - Continued
Liste des consommateurs répondants - suite

Name — Nom	Plant Location Localisation de l'usine
Ford Motor Co. of Canada Ltd. (2, 3, 7, 14, 21)	Windsor, Ont.
Foseco Canada Ltd. (7, 15, 21)	Guelph, Ont.
Galt Malleable Iron Ltd. (3, 7, 14)	Cambridge (Galt), Ont.
General Motors of Canada Ltd. (2, 3, 7, 13, 14, 23)	St. Catharines, Ont.
Griffin Steel Foundries Ltd. (3, 7, 15) (2, 3, 7, 15)	St-Hyacinthe, Qué. Transcona, Man.
Grinnell Co. of Canada Limited (7)	Toronto, Ont.
Hawker Siddeley Canada Ltd. (Canadian Steel Foundry Division) (2, 3, 4, 7, 8, 10, 11, 12, 15, 16, 18, 22)	Montréal, Qué.
Hepburn, John T., Limited (2, 3, 7, 22)	Toronto, Ont.
Holmes Foundry Limited (2, 3, 7)	Sarnia, Ont.
International Malleable Iron Co. Ltd. (3, 7, 14)	Guelph, Ont.
Kelsey Hayes Canada Limited (3, 4, 7, 18, 23)	Woodstock, Ont.
Légaré Foundry 1961 Ltd. (2, 3, 22)	Sherbrooke, Qué.
Letson & Burpee Ltd. (2, 3, 4, 7, 15, 22)	Surrey, B.C. - C.-B.
Lynn MacLeod Metallurgy Ltd. (2, 3, 4, 7, 12, 22)	Thetford Mines, Qué.
M.B.E. Limited (2, 3, 4, 7, 22)	Winnipeg, Man.
Manitoba Rolling Mills (Division of Dominion Bridge Co. Ltd.) (2, 3, 4, 7, 10, 12, 14, 15, 18, 22, 23)	Selkirk, Man.
Maritime Steel and Foundries Ltd. (3, 7, 12, 16, 22)	New Glasgow, N.S. - N.-É.
Massey-Ferguson Industries Ltd. (2, 3, 7, 12, 13, 14)	Brantford, Ont.
Masterloy Products Ltd. (4, 7, 10, 14, 15, 21, 22, 23)	Ottawa, Ont.
McAvity, T., & Sons Ltd. (3, 7, 22)	Saint John, N.B.
Metals & Alloys Co. Ltd. (20, 22)	Toronto, Ont.
Midland Ross of Canada Ltd. (Unitcast Division) (2, 3, 12, 15, 16, 21, 22)	Sherbrooke, Qué.
Mueller Limited (3, 7)	St-Jérôme, Qué.
Noranda Metal Industries Ltd. (20, 22)	Montréal, Qué.
Otaco Foundry Division (7, 14, 23)	Orillia, Ont.
Quality Steel Foundries Ltd. (3, 7, 22)	Edmonton, Alta. - Alta.
Québec Iron Foundries Ltd. (2, 3, 7, 22) (2, 3, 7)	Mont-Joli, Qué. Noranda, Qué.

List of Reporting Consumers - Concluded

Liste des consommateurs répondants - fin

Name — Nom	Plant Location — Localisation de l'usine
Reliance Foundry Co. Ltd.	(2, 3, 7, 15) Surrey, B.C. - C.-B.
Rockwell Mfg. Co. of Canada Ltd.	(7) Guelph, Ont.
Sidbec-Dosco Ltd.	(2, 3, 4, 7, 10, 12, 14, 15, 17, 22) Montréal, Qué.
Sorel Steel Foundries Ltd.	(2, 3, 7, 12, 15, 17, 21, 22, 23) Sorel, Qué.
Steel Co. of Canada Ltd., The	(1, 2, 3, 5, 7, 10, Hamilton, Ont. 12, 13, 14, 15, 17, 21, 23)
Stephens-Adamson Mfg. Co. of Canada Ltd.	(2, 7, 22) Belleville, Ont.
Sydney Steel Corporation	(2, 3, 4, 5, 7, 10, Sydney, N.S. - N.-E. 12, 22, 23)
Terminal City Iron Works Ltd.	(7) Vancouver, B.C. - C.-B.
Usarco Ltd.	(20) Hamilton, Ont.
Wall Colmonoy (Canada) Ltd.	(7, 15, 22) Montréal-Est, Qué.
Welland Iron & Brass Ltd.	(3, 7) Welland, Ont.
Welmet Industries Ltd.	(2, 3, 4, 7, 9, 12, Welland, Ont. 14, 15, 20, 21, 22)
Western Canada Steel Ltd. (Arc Furnace Div.)	(2, 7, 10, 12) Vancouver, B.C. - C.-B.
Western Foundry	(3, 5, 7) Wingham, Ont.

Note: Code numbers after name refer to items listed on pages 1, 2 and 3. — Nota: Les pages 1, 2 et 3 expliquent le code placé à la suite de chaque compagnie.

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