



D.B.S. MEMORANDUM

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PRODUCTION OF PIG IRON AND STEEL

JANUARY - 1951

Pig Iron - Production of pig iron in Canada amounted to 197,025 net tons in January compared with 190,432 tons in the corresponding month of last year. The total for the current month included 157,616 tons of basic iron, 26,016 tons of foundry iron and 13,393 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in January amounted to 23,079 net tons compared with 15,341 tons in the previous month and with 9,961 tons in January of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferromanganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during January totalled 309,653 net tons compared with 289,949 tons in January of last year. Output in the month under review included 299,410 tons of ingots and 10,243 tons of castings.

Table 1 - Production of Pig Iron and Ferro-alloys during January, 1950 and 1951

	January 1950	January 1951
	(Net tons of 2,000 pounds)	
<u>Pig Iron</u> -		
Basic	151,403	157,616
Foundry	21,845	26,016
Malleable	17,184	13,393
Total Pig Iron	190,432	197,025
<u>Ferro-alloys</u> -	9,961	23,079

Table 2 - Production of Steel Ingots and Steel Castings during January, 1950 and 1951

	January 1950	January 1951
	(Net tons of 2,000 pounds)	
<u>Steel Ingots</u>		
Open hearth - Basic	239,379	252,627
Electric	44,515	46,783
Total Steel Ingots	283,894	299,410
<u>Alloy steel ingots included</u> in above	12,748	18,615
<u>Steel Castings</u>		
Open hearth - Basic	2,063	2,483
Converter	6	8
Electric	3,988	7,752
Total Steel Castings	6,055	10,243
<u>Alloy steel castings included</u> in above	1,290	1,996
TOTAL INGOTS AND CASTINGS	289,949	309,653

NOTE:- This report was prepared in the Mining, Metallurgical and Chemical Section.



REPORT OF THE COMMISSIONER OF PLANT INDUSTRY

For the year ending June 30, 1907

The Commission on Plant Industry was organized by the Department of Agriculture in 1902, and has since that time been engaged in a study of the various problems connected with the development of the plant industry of the United States. The Commission has held numerous public hearings, and has received many suggestions from the public. It has also conducted extensive research into the various phases of the plant industry, and has published many reports on its findings.

The Commission has been particularly interested in the problem of the distribution of the plant industry, and has endeavored to determine the various factors which influence its location. It has found that the location of the plant industry is determined by a number of factors, including the availability of raw materials, the proximity of markets, and the cost of transportation.

The Commission has also been interested in the problem of the conservation of the plant resources of the United States. It has found that many of our plant resources are being rapidly depleted, and has endeavored to determine the various factors which influence their conservation. It has found that the conservation of the plant resources of the United States is determined by a number of factors, including the availability of land, the quality of the soil, and the climate.

The Commission has also been interested in the problem of the improvement of the plant industry. It has found that many of our plant industries are in need of improvement, and has endeavored to determine the various factors which influence their improvement. It has found that the improvement of the plant industry is determined by a number of factors, including the availability of capital, the quality of the labor, and the state of the technology.

Table 1. The Distribution of the Plant Industry in the United States, 1907

State	Value of Products	Value of Exports	Value of Imports
Alabama	1,200,000	100,000	50,000
Arkansas	800,000	50,000	20,000
California	15,000,000	1,000,000	500,000
Colorado	2,000,000	100,000	50,000
Connecticut	1,000,000	50,000	20,000
Delaware	500,000	20,000	10,000
Florida	3,000,000	100,000	50,000
Georgia	4,000,000	100,000	50,000
Idaho	1,000,000	50,000	20,000
Illinois	10,000,000	500,000	200,000
Indiana	8,000,000	400,000	150,000
Iowa	6,000,000	300,000	100,000
Kansas	5,000,000	200,000	50,000
Kentucky	3,000,000	100,000	50,000
Louisiana	2,000,000	50,000	20,000
Maine	1,000,000	50,000	20,000
Maryland	1,500,000	50,000	20,000
Massachusetts	2,000,000	50,000	20,000
Michigan	7,000,000	300,000	100,000
Minnesota	4,000,000	100,000	50,000
Mississippi	1,000,000	50,000	20,000
Missouri	6,000,000	300,000	100,000
Montana	1,000,000	50,000	20,000
Nebraska	3,000,000	100,000	50,000
Nevada	500,000	20,000	10,000
New Hampshire	500,000	20,000	10,000
New Jersey	2,000,000	50,000	20,000
New Mexico	1,000,000	50,000	20,000
New York	12,000,000	600,000	250,000
North Carolina	3,000,000	100,000	50,000
North Dakota	1,000,000	50,000	20,000
Ohio	9,000,000	400,000	150,000
Oklahoma	1,000,000	50,000	20,000
Oregon	1,000,000	50,000	20,000
Pennsylvania	11,000,000	500,000	200,000
Rhode Island	500,000	20,000	10,000
South Carolina	1,000,000	50,000	20,000
South Dakota	1,000,000	50,000	20,000
Tennessee	2,000,000	50,000	20,000
Texas	5,000,000	100,000	50,000
Vermont	500,000	20,000	10,000
Virginia	1,500,000	50,000	20,000
Washington	1,000,000	50,000	20,000
West Virginia	500,000	20,000	10,000
Wisconsin	4,000,000	100,000	50,000
Wyoming	500,000	20,000	10,000
Total	100,000,000	5,000,000	2,000,000

Table 2. The Distribution of the Plant Industry in the United States, 1907

State	Value of Products	Value of Exports	Value of Imports
Alabama	1,200,000	100,000	50,000
Arkansas	800,000	50,000	20,000
California	15,000,000	1,000,000	500,000
Colorado	2,000,000	100,000	50,000
Connecticut	1,000,000	50,000	20,000
Delaware	500,000	20,000	10,000
Florida	3,000,000	100,000	50,000
Georgia	4,000,000	100,000	50,000
Idaho	1,000,000	50,000	20,000
Illinois	10,000,000	500,000	200,000
Indiana	8,000,000	400,000	150,000
Iowa	6,000,000	300,000	100,000
Kansas	5,000,000	200,000	50,000
Kentucky	3,000,000	100,000	50,000
Louisiana	2,000,000	50,000	20,000
Maine	1,000,000	50,000	20,000
Maryland	1,500,000	50,000	20,000
Massachusetts	2,000,000	50,000	20,000
Michigan	7,000,000	300,000	100,000
Minnesota	4,000,000	100,000	50,000
Mississippi	1,000,000	50,000	20,000
Missouri	6,000,000	300,000	100,000
Montana	1,000,000	50,000	20,000
Nebraska	3,000,000	100,000	50,000
Nevada	500,000	20,000	10,000
New Hampshire	500,000	20,000	10,000
New Jersey	2,000,000	50,000	20,000
New Mexico	1,000,000	50,000	20,000
New York	12,000,000	600,000	250,000
North Carolina	3,000,000	100,000	50,000
North Dakota	1,000,000	50,000	20,000
Ohio	9,000,000	400,000	150,000
Oklahoma	1,000,000	50,000	20,000
Oregon	1,000,000	50,000	20,000
Pennsylvania	11,000,000	500,000	200,000
Rhode Island	500,000	20,000	10,000
South Carolina	1,000,000	50,000	20,000
South Dakota	1,000,000	50,000	20,000
Tennessee	2,000,000	50,000	20,000
Texas	5,000,000	100,000	50,000
Vermont	500,000	20,000	10,000
Virginia	1,500,000	50,000	20,000
Washington	1,000,000	50,000	20,000
West Virginia	500,000	20,000	10,000
Wisconsin	4,000,000	100,000	50,000
Wyoming	500,000	20,000	10,000
Total	100,000,000	5,000,000	2,000,000

Table 3. The Distribution of the Plant Industry in the United States, 1907

State	Value of Products	Value of Exports	Value of Imports
Alabama	1,200,000	100,000	50,000
Arkansas	800,000	50,000	20,000
California	15,000,000	1,000,000	500,000
Colorado	2,000,000	100,000	50,000
Connecticut	1,000,000	50,000	20,000
Delaware	500,000	20,000	10,000
Florida	3,000,000	100,000	50,000
Georgia	4,000,000	100,000	50,000
Idaho	1,000,000	50,000	20,000
Illinois	10,000,000	500,000	200,000
Indiana	8,000,000	400,000	150,000
Iowa	6,000,000	300,000	100,000
Kansas	5,000,000	200,000	50,000
Kentucky	3,000,000	100,000	50,000
Louisiana	2,000,000	50,000	20,000
Maine	1,000,000	50,000	20,000
Maryland	1,500,000	50,000	20,000
Massachusetts	2,000,000	50,000	20,000
Michigan	7,000,000	300,000	100,000
Minnesota	4,000,000	100,000	50,000
Mississippi	1,000,000	50,000	20,000
Missouri	6,000,000	300,000	100,000
Montana	1,000,000	50,000	20,000
Nebraska	3,000,000	100,000	50,000
Nevada	500,000	20,000	10,000
New Hampshire	500,000	20,000	10,000
New Jersey	2,000,000	50,000	20,000
New Mexico	1,000,000	50,000	20,000
New York	12,000,000	600,000	250,000
North Carolina	3,000,000	100,000	50,000
North Dakota	1,000,000	50,000	20,000
Ohio	9,000,000	400,000	150,000
Oklahoma	1,000,000	50,000	20,000
Oregon	1,000,000	50,000	20,000
Pennsylvania	11,000,000	500,000	200,000
Rhode Island	500,000	20,000	10,000
South Carolina	1,000,000	50,000	20,000
South Dakota	1,000,000	50,000	20,000
Tennessee	2,000,000	50,000	20,000
Texas	5,000,000	100,000	50,000
Vermont	500,000	20,000	10,000
Virginia	1,500,000	50,000	20,000
Washington	1,000,000	50,000	20,000
West Virginia	500,000	20,000	10,000
Wisconsin	4,000,000	100,000	50,000
Wyoming	500,000	20,000	10,000
Total	100,000,000	5,000,000	2,000,000

Table 4. The Distribution of the Plant Industry in the United States, 1907

State	Value of Products	Value of Exports	Value of Imports
Alabama	1,200,000	100,000	50,000
Arkansas	800,000	50,000	20,000
California	15,000,000	1,000,000	500,000
Colorado	2,000,000	100,000	50,000
Connecticut	1,000,000	50,000	20,000
Delaware	500,000	20,000	10,000
Florida	3,000,000	100,000	50,000
Georgia	4,000,000	100,000	50,000
Idaho	1,000,000	50,000	20,000
Illinois	10,000,000	500,000	200,000
Indiana	8,000,000	400,000	150,000
Iowa	6,000,000	300,000	100,000
Kansas	5,000,000	200,000	50,000
Kentucky	3,000,000	100,000	50,000
Louisiana	2,000,000	50,000	20,000
Maine	1,000,000	50,000	20,000
Maryland	1,500,000	50,000	20,000
Massachusetts	2,000,000	50,000	20,000
Michigan	7,000,000	300,000	100,000
Minnesota	4,000,000	100,000	50,000
Mississippi	1,000,000	50,000	20,000
Missouri	6,000,000	300,000	100,000
Montana	1,000,000	50,000	20,000
Nebraska	3,000,000	100,000	50,000
Nevada	500,000	20,000	10,000
New Hampshire	500,000	20,000	10,000
New Jersey	2,000,000	50,000	20,000
New Mexico	1,000,000	50,000	20,000
New York	12,000,000	600,000	250,000
North Carolina	3,000,000	100,000	50,000
North Dakota	1,000,000	50,000	20,000
Ohio	9,000,000	400,000	150,000
Oklahoma	1,000,000	50,000	20,000
Oregon	1,000,000	50,000	20,000
Pennsylvania	11,000,000	500,000	200,000
Rhode Island	500,000	20,000	10,000
South Carolina	1,000,000	50,000	20,000
South Dakota	1,000,000	50,000	20,000
Tennessee	2,000,000	50,000	20,000
Texas	5,000,000	100,000	50,000
Vermont	500,000	20,000	10,000
Virginia	1,500,000	50,000	20,000
Washington	1,000,000	50,000	20,000
West Virginia	500,000	20,000	10,000
Wisconsin	4,000,000	100,000	50,000
Wyoming	500,000	20,000	10,000
Total	100,000,000	5,000,000	2,000,000

Table 5. The Distribution of the Plant Industry in the United States, 1907

State	Value of Products	Value of Exports	Value of Imports
Alabama	1,200,000	100,000	50,000
Arkansas	800,000	50,000	20,000
California	15,000,000	1,000,000	500,000
Colorado	2,000,000	100,000	50,000
Connecticut	1,000,000	50,000	20,000
Delaware	500,000	20,000	10,000
Florida	3,000,000	100,000	50,000
Georgia	4,000,000	100,000	50,000
Idaho	1,000,000	50,000	20,000
Illinois	10,000,000	500,000	200,000
Indiana	8,000,000	400,000	150,000
Iowa	6,000,000	300,000	100,000
Kansas	5,000,000	200,000	50,000
Kentucky	3,000,000	100,000	50,000
Louisiana	2,000,000	50,000	20,000
Maine	1,000,000	50,000	20,000
Maryland	1,500,000	50,000	20,000
Massachusetts	2,000,000	50,000	20,000
Michigan	7,000,000	300,000	100,000
Minnesota	4,000,000	100,000	50,000
Mississippi	1,000,000	50,000	20,000
Missouri	6,000,000	300,000	100,000
Montana	1,000,000	50,000	20,000
Nebraska	3,000,000	100,000	50,000
Nevada	500,000	20,000	10,000
New Hampshire	500,000	20,000	10,000
New Jersey	2,000,000	50,000	20,000
New Mexico	1,000,000	50,000	20,000
New York	12,000,000	600,000	250,000
North Carolina	3,000,000	100,000	50,000
North Dakota	1,000,000	50,000	20,000
Ohio	9,000,000	400,000	150,000
Oklahoma	1,000,000	50,000	20,000
Oregon	1,000,000	50,000	20,000
Pennsylvania	11,000,000	500,000	200,000
Rhode Island	500,000	20,000	10,000
South Carolina	1,000,000	50,000	20,000
South Dakota	1,000,000	50,000	20,000
Tennessee	2,000,000	50,000	20,000
Texas	5,000,000	100,000	50,000
Vermont	500,000	20,000	10,000
Virginia	1,500,000	50,000	20,000
Washington	1,000,000	50,000	20,000
West Virginia	500,000	20,000	10,000
Wisconsin	4,000,000	100,000	50,000
Wyoming	500,000	20,000	10,000
Total	100,000,000	5,000,000	2,000,000

LIST OF REPORTING FIRMS

<u>Name of Firm</u>	<u>Address</u>
(a) <u>Pig Iron</u>	
Algoma Steel Corporation Ltd.	Sault Ste. Marie, Ontario
Canadian Furnace Co. Ltd.	Port Colborne, Ontario
Dominion Iron and Steel Ltd.	Sydney, Nova Scotia
Steel Company of Canada, Ltd.	Hamilton, Ontario
(b) <u>Steel Ingots</u>	
Algoma Steel Corporation Ltd.	Sault Ste. Marie, Ontario
Atlas Steels Limited	Welland, Ontario
Burlington Steel Company Ltd.	Hamilton, Ontario
Canadian Tube & Steel Products Ltd.	Montreal, Quebec
Dominion Foundries & Steel Ltd.	Hamilton, Ontario
Dominion Iron and Steel Ltd.	Sydney, Nova Scotia
Manitoba Rolling Mill Co. Ltd.	Winnipeg, Manitoba
Steel Company of Canada Ltd.	Hamilton, Ontario
Vancouver Steel Co. Ltd.	Vancouver, British Columbia
(c) <u>Steel Castings</u>	
A-1 Steel & Iron Foundry Ltd.	Vancouver, British Columbia
Algoma Steel Corporation Ltd.	Sault Ste. Marie, Ontario
Britannia Mining & Smelting Co. Ltd.	Britannia Beach, British Columbia
Canadian Car & Foundry Co. Ltd.	Montreal, Quebec
Canada Electric Castings Ltd.	Orillia, Ontario
Canadian Sumner Iron Works Ltd.	Vancouver, British Columbia
Canadian Unitcast Steel Ltd.	Sherbrooke, Quebec
Consolidated Mining & Smelting Co. of Canada Ltd.	Trail, British Columbia
Dominion Brake Shoe Co. Ltd.	
(Joliette Steel Division)	Joliette, Quebec
Dominion Foundries & Steel Ltd.	Hamilton, Ontario
Dominion Iron & Steel Ltd.	Sydney, Nova Scotia
Drolet, La Cie F. X.	Quebec, Quebec
Fahralloy Canada Ltd.	Orillia, Ontario
Foothills Steel Foundry & Iron Works Ltd.	Calgary, Alberta
Ford Motor Company of Canada Ltd.	Windsor, Ontario
Kennedy, William, & Sons Ltd.	Owen Sound, Ontario
MacLeod, Lynn, Metallurgy Ltd.	Thetford Mines, Quebec
Manganese Steel Castings Ltd.	Sherbrooke, Quebec
Manitoba Rolling Mill Co. Ltd.	Winnipeg, Manitoba
Manitoba Steel Foundries Ltd.	Selkirk, Manitoba
Maritime Steel & Foundries Ltd.	New Glasgow, Nova Scotia
Reliance Foundry Co. Ltd.	Vancouver, British Columbia
Riverside Iron & Engineering Works Ltd.	Calgary, Alberta
Shawinigan Chemicals Limited	Shawinigan Falls, Quebec
Sorel Steel Foundries Ltd.	Sorel, Quebec
Vancouver Engineering Works	Vancouver, British Columbia
Victoria Machinery Depot Co. Ltd.	Victoria, British Columbia
Vulcan Iron & Engineering Ltd.	Winnipeg, Manitoba
Welland Electric Steel Foundry Ltd.	Welland, Ontario

List of Reporting Firms (Concluded)

Name of Firm

Address

(d) Ferro-alloys

Canadian Carborundum Co. Ltd.	Niagara Falls, Ontario
Chromium Mining & Smelting Corp. Ltd.	Sault Ste. Marie, Ontario
Electro-Metallurgical Co. of Canada Ltd.	Welland, Ontario
Exolon Company	Thorold, Ontario
Lionite Abrasives Ltd.	Niagara Falls, Ontario
Norton Company	Chippawa, Ontario
Simonds Canada Abrasive Co. Ltd.	Arvida, Quebec
St. Lawrence Alloys and Metals Ltd.	Beauharnois, Quebec



1010695835

List of Countries

Country of Origin
Address

(a) Part-A

Algeria, Algeria
Angola, Angola
Argentina, Argentina
Australia, Australia
Austria, Austria
Belgium, Belgium
Brazil, Brazil
Canada, Canada
Cuba, Cuba
Czechoslovakia, Czechoslovakia
Denmark, Denmark
France, France
Germany, Germany
Greece, Greece
India, India
Indonesia, Indonesia
Italy, Italy
Japan, Japan
Korea, Korea
Kuwait, Kuwait
Lebanon, Lebanon
Libya, Libya
Luxembourg, Luxembourg
Malaysia, Malaysia
Mexico, Mexico
Morocco, Morocco
Netherlands, Netherlands
Norway, Norway
Oman, Oman
Pakistan, Pakistan
Poland, Poland
Portugal, Portugal
Qatar, Qatar
Romania, Romania
Saudi Arabia, Saudi Arabia
Singapore, Singapore
South Africa, South Africa
Spain, Spain
Sweden, Sweden
Switzerland, Switzerland
Syria, Syria
Taiwan, Taiwan
Thailand, Thailand
Turkey, Turkey
United Arab Emirates, United Arab Emirates
United Kingdom, United Kingdom
United States, United States
Yemen, Yemen

Algeria, Algeria
Angola, Angola
Argentina, Argentina
Australia, Australia
Austria, Austria
Belgium, Belgium
Brazil, Brazil
Canada, Canada
Cuba, Cuba
Czechoslovakia, Czechoslovakia
Denmark, Denmark
France, France
Germany, Germany
Greece, Greece
India, India
Indonesia, Indonesia
Italy, Italy
Japan, Japan
Korea, Korea
Kuwait, Kuwait
Lebanon, Lebanon
Libya, Libya
Luxembourg, Luxembourg
Malaysia, Malaysia
Mexico, Mexico
Morocco, Morocco
Netherlands, Netherlands
Norway, Norway
Oman, Oman
Pakistan, Pakistan
Poland, Poland
Portugal, Portugal
Qatar, Qatar
Romania, Romania
Saudi Arabia, Saudi Arabia
Singapore, Singapore
South Africa, South Africa
Spain, Spain
Sweden, Sweden
Switzerland, Switzerland
Syria, Syria
Taiwan, Taiwan
Thailand, Thailand
Turkey, Turkey
United Arab Emirates, United Arab Emirates
United Kingdom, United Kingdom
United States, United States
Yemen, Yemen