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Steel, Tubular Products and Steel Wire

August 2007



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Statistics Canada
Manufacturing, Construction and Energy Division

Steel, Tubular Products and Steel Wire

August 2007

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User information

Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

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Highlights

August 2007

- Monthly production of primary steel and pig iron fell 8.4% in August 2007 to 1,094,879 metric tonnes.
- In the same month, the total disposition of shipments of rolled steel products rose 10.7% to 1,172,222 metric tonnes.
- Between July 2007 and August 2007, production of steel pipe and tubing increased 13.3% to 175,440 metric tonnes.
- Total shipments of steel wire and specified wire products grew 19.0% to 47,212 metric tonnes in August 2007.

Related products

Selected CANSIM tables from Statistics Canada

303-0046	Production and shipments of steel pipe and tubing
303-0047	Production and shipments of steel wire and specified wire products
303-0048	Production and shipments of pig iron
303-0049	Pig iron and scrap products charged to furnace, by the primary metal industry
303-0050	Production and shipments of steel casting and primary forms steel products
303-0051	Destination of net shipments of rolled steel products to consuming industries

Selected surveys from Statistics Canada

2105	Steel Pipe and Tubing
2106	Steel Wire and Specified Wire Products
2116	Steel Primary Forms, Steel Castings and Pig Iron
2184	Disposition of Shipments of Ingots and Rolled Steel Products

Statistical tables

Table 1-1

Steel primary forms and pig iron — Disposition of net shipments ¹ of rolled steel products, by product, monthly 2007

SDC No.	Steel primary forms	Rails and heavy structural sections	Intermediate structural sections	Light structural sections	Concrete reinforcing bars	Other hot rolled bars	Wire rods	Railway track material
metric tonnes								
August								
Domestic shipments								
11 Steel service centres and other wholesalers and warehouses	689	3,287	6,709	6,382	2,329	21,005	469	.
21 Motor vehicles and parts	165	.	.	.	.	12,356	36	.
22 Railway operating	0	.	.	.	.	0	0	.
23 Railroad cars and locomotives	.	606	.	.	.	.	.	.
24 Shipbuilding	0	.	.	.	.	.	.	.
31 Steel fabrication	0	923	871	4,169	41,675	15,255	0	.
32 Metal building systems	.	.	.	.	0	0	.	.
33 Contractors' products	.	39	0	.	422	123	258	.
34 Miscellaneous stamping and coating	0	25	603	264	.	1,381	.	.
41 Natural resources and extractive industries	.	.	0	0	1,387	11,059	0	.
51 Agricultural equipment	.	0	0	0	0	98	.	.
52 Non electrical machinery	.	0	0	0	.	146	0	.
53 Electrical machinery	.	.	.	.	.	0	.	.
54 Industrial packaging material	.	.	.	.	.	0	.	.
61 Pipes and tubes	.	.	.	.	.	0	.	.
62 Wire and wire products	775	.	.	.	0	2,727	21,353	.
63 Containers and closures	.	.	.	.	.	.	.	.
64 Appliances and utensils industries	.	.	.	.	.	.	.	.
70 Miscellaneous industries	.	.	.	.	0	1,155	.	.
Total domestic shipments	1,629	4,880	8,183	10,815	45,813	65,305	22,116	0
Total domestic alloy shipments	0	.	.	.	.	21,704	0	.
Exports ² (for final sale)								
81 Exports to the United States	69,681	2,360	9,714	7,053	0	31,672	31,511	.
82 Exports to other countries (excluding United States)	21,699	0	193	.	0	10,910	1,008	0
Total disposition	93,009	7,240	18,090	17,868	45,813	107,887	54,635	0
Total alloy shipments	0	.	.	.	.	34,047	0	.
Producers interchange, for sale	x	.	0	.	.	265	0	.
Exports for conversion and return ²	.	.	.	.	.	0	.	.
Imports by producers (including conversion)	3,180	.	.	.	.	.	0	.

See footnotes at the end of the table.

Table 1-1 – continued

Steel primary forms and pig iron — Disposition of net shipments ¹ of rolled steel products, by product, monthly 2007

SDC No.	Cold finished bars	Plates ³	Hot rolled sheets and coils	Cold reduced sheets and strip and other cold rolled and coated	Tin plate and tin free steel (T.F.S.)	Galvanized sheets including galvalume	Total, rolled steel products
metric tonnes							
August							
Domestic shipments							
11 Steel service centres and other wholesalers and warehouses	2,247	29,191	126,514	29,570	2,605	36,166	267,163
21 Motor vehicles and parts	2,059	0	66,230	13,675	.	52,691	147,212
22 Railway operating	.	0	.	.	.	.	0
23 Railroad cars and locomotives	.	909	0	.	.	.	1,515
24 Shipbuilding	.	.	.	.	.	.	0
31 Steel fabrication	71	3,498	6,838	14	.	726	74,040
32 Metal building systems	.	.	0	.	.	4,326	4,326
33 Contractors' products	185	20	3,702	2,218	.	37,024	43,991
34 Miscellaneous stamping and coating	225	0	2,228	6,527	.	19,540	30,793
41 Natural resources and extractive industries	23	0	0	0	.	0	12,469
51 Agricultural equipment	88	668	341	51	.	.	1,246
52 Non electrical machinery	25	242	223	0	.	1,410	2,046
53 Electrical machinery	.	.	.	3,511	.	239	3,750
54 Industrial packaging material	.	.	13	8,419	30	0	8,462
61 Pipes and tubes	51	0	156,289	2,793	.	3,407	162,540
62 Wire and wire products	272	.	1,321	107	.	33	26,588
63 Containers and closures	103	.	19	192	12,319	.	12,633
64 Appliances and utensils industries	.	.	.	5,768	.	2,744	8,512
70 Miscellaneous industries	150	.	.	.	.	.	1,305
Total domestic shipments	5,499	34,528	363,718	72,845	14,954	158,306	808,591
Total domestic alloy shipments	246	0	.	0	.	.	21,950
Exports ² (for final sale)							
81 Exports to the United States	6,403	22,784	57,631	12,284	13,538	34,519	299,150
82 Exports to other countries (excluding United States)	.	3,101	10,701	3,877	1,349	11,643	64,481
Total disposition	11,902	60,413	432,050	89,006	29,841	204,468	1,172,222
Total alloy shipments	0	0	.	0	.	.	34,047
Producers interchange, for sale	0	.	2,061	x	.	.	58,556
Exports for conversion and return ²	.	.	0	0	.	0	0
Imports by producers (including conversion)	.	3,317	8,883	0	.	0	15,380

1. Compiled by principal consuming industries, according to distribution of shipments reported by iron and steel mills.

2. These data include exports reported by steel producers only and are not the same as published in the Exports by commodities, catalogue number 65-004-XPB.

3. Effective January 2000, producers have changed the way they report hot rolled products. The result is a change in definitions. Plates including plates for pipes and tubes becomes plates. Hot rolled sheet and strip becomes hot rolled sheets and coils and now includes all hot rolled flat products in coils, regardless of thickness.

Table 1-2

Steel primary forms and pig iron — Disposition of net shipments ¹ of rolled steel products, by product, year-to-date 2007

SDC No.	Steel primary forms	Rails and heavy structural sections	Intermediate structural sections	Light structural sections	Concrete reinforcing bars	Other hot rolled bars	Wire rods	Railway track material
metric tonnes								
Domestic shipments								
11 Steel service centres and other wholesalers and warehouses	2,189	27,543	67,962	54,510	28,731	153,918	9,842	.
21 Motor vehicles and parts	1,481	.	.	.	.	125,704	1,004	.
22 Railway operating	.	.	.	.	.	0	.	.
23 Railroad cars and locomotives	.	3,884	.	.	.	.	.	.
24 Shipbuilding	0	.	.	.	.	.	.	.
31 Steel fabrication	63	8,260	13,475	31,337	276,136	123,094	0	.
32 Metal building systems	.	.	.	.	0	0	.	.
33 Contractors' products	.	39	0	.	1,211	2,125	1,020	.
34 Miscellaneous stamping and coating	0	188	4,348	3,171	.	13,394	.	.
41 Natural resources and extractive industries	.	.	81	36	8,464	79,258	0	.
51 Agricultural equipment	.	12	15	87	20	2,047	.	.
52 Non electrical machinery	.	64	0	0	.	2,956	0	.
53 Electrical machinery	.	.	.	.	.	0	.	.
54 Industrial packaging material	.	.	.	.	.	0	.	.
61 Pipes and tubes	.	.	.	.	.	0	.	.
62 Wire and wire products	2,019	.	.	.	0	19,943	191,148	.
63 Containers and closures	.	.	.	.	.	.	.	.
64 Appliances and utensils industries	.	.	.	.	.	.	.	.
70 Miscellaneous industries	.	.	.	.	0	2,122	.	.
Total domestic shipments	5,752	39,990	85,881	89,141	314,562	524,561	203,014	0
Total domestic alloy shipments	63	.	.	.	.	161,475	0	.
Exports ² (for final sale)								
81 Exports to the United States	x	20,162	95,867	67,133	13,092	296,969	293,201	.
82 Exports to other countries (excluding United States)	x	78	1,310	.	0	142,840	7,605	0
Total disposition	x	60,230	183,058	156,274	327,654	964,370	503,820	0
Total alloy shipments	63	.	.	.	.	273,906	0	.
Producers interchange, for sale	x	.	0	.	.	10,503	215	.
Exports for conversion and return ²	.	.	.	.	.	0	.	.
Imports by producers (including conversion)	24,773	.	.	.	.	.	0	.

See footnotes at the end of the table.

Table 1-2 – continued

Steel primary forms and pig iron — Disposition of net shipments ¹ of rolled steel products, by product, year-to-date 2007

SDC No.	Cold finished bars	Plates ³	Hot rolled sheets and coils	Cold reduced sheets and strip and other cold rolled and coated	Tin plate and tin free steel (T.F.S.)	Galvanized sheets including galvalume	Total, rolled steel products
metric tonnes							
Domestic shipments							
11 Steel service centres and other wholesalers and warehouses	21,931	256,129	1,233,813	304,196	17,648	335,171	2,513,583
21 Motor vehicles and parts	16,937	0	559,541	113,776	.	436,242	1,254,685
22 Railway operating	.	0	.	.	.	.	0
23 Railroad cars and locomotives	.	7,775	-19	.	.	.	11,640
24 Shipbuilding	.	.	.	.	.	.	0
31 Steel fabrication	710	43,791	39,413	353	.	6,497	543,129
32 Metal building systems	.	.	0	.	.	24,032	24,032
33 Contractors' products	775	461	36,838	18,003	.	263,760	324,232
34 Miscellaneous stamping and coating	2,017	2,677	52,549	39,981	.	149,367	267,692
41 Natural resources and extractive industries	392	12	28	0	.	1	88,272
51 Agricultural equipment	827	2,769	4,220	638	.	.	10,635
52 Non electrical machinery	265	1,837	2,550	0	.	1,410	9,082
53 Electrical machinery	.	.	.	27,696	.	11,338	39,034
54 Industrial packaging material	.	.	12,754	79,551	262	0	92,567
61 Pipes and tubes	429	0	1,257,904	21,715	.	18,056	1,298,104
62 Wire and wire products	3,408	.	7,121	829	.	191	224,659
63 Containers and closures	293	.	5,837	1,753	77,167	.	85,050
64 Appliances and utensils industries	.	.	.	47,769	.	22,251	70,020
70 Miscellaneous industries	2,028	.	.	.	.	.	4,150
Total domestic shipments	50,012	315,451	3,212,549	656,260	95,077	1,268,316	6,860,566
Total domestic alloy shipments	1,728	0	.	0	.	.	163,266
Exports ² (for final sale)							
81 Exports to the United States	57,302	165,682	701,840	x	90,124	x	2,537,414
82 Exports to other countries (excluding United States)	.	14,918	53,724	x	9,964	x	444,853
Total disposition	107,314	496,051	3,968,113	x	195,165	1,633,538	9,842,833
Total alloy shipments	1,246	0	.	0	.	.	275,215
Producers interchange, for sale	83	.	37,568	x	.	.	623,671
Exports for conversion and return ²	.	.	0	0	.	0	0
Imports by producers (including conversion)	.	32,420	71,065	29,796	.	0	158,054

1. Compiled by principal consuming industries, according to distribution of shipments reported by iron and steel mills.

2. These data include exports reported by steel producers only and are not the same as published in the Exports by commodities, catalogue number 65-004-XPB.

3. Effective January 2000, producers have changed the way they report hot rolled products. The result is a change in definitions. Plates including plates for pipes and tubes becomes plates. Hot rolled sheet and strip becomes hot rolled sheets and coils and now includes all hot rolled flat products in coils, regardless of thickness.

Table 1-3

Steel primary forms and pig iron — Production of pig iron

	August		Year-to-date	
	2006	2007	2006	2007
metric tonnes				
Production of pig iron	594,332	601,790	5,732,344	5,478,396

Table 1-4
Steel primary forms and pig iron — Pig iron and scrap charged to steel furnaces

	August		Year-to-date	
	2006	2007	2006	2007
	metric tonnes			
Pig iron including pre-reduced iron	756,651	581,824	6,095,281	5,821,352
Scrap				
Own make	180,078	117,241	1,398,238	1,243,447
Purchased	452,628	491,700	4,123,957	4,359,647
Total, pig iron and scrap products	1,389,357	1,190,765	11,617,476	11,424,446

Table 1-5
Steel primary forms and pig iron — Production and shipments of steel, primary forms, monthly

	Production		Shipments	
	2006	2007	2006	2007
	metric tonnes			
August				
Steel, primary forms (carbon and alloy including continuous cast steel)				
Electric furnace	490,784	516,730	62,403	x
Basic oxygen furnace	762,689	578,149	29,931	x
Steel, primary forms - Total	1,253,473	1,094,879	92,334	158,572
Included in "Steel primary forms total" above				
Continuous cast steel	1,245,059	1,085,312	89,571	150,375

Table 1-6
Steel primary forms and pig iron — Production and shipments of steel, primary forms, year-to-date

	Production		Shipments	
	2006	2007	2006	2007
	metric tonnes			
Steel, primary forms (carbon and alloy including continuous cast steel)				
Electric furnace	4,313,913	4,384,897	x	x
Basic oxygen furnace	6,293,354	6,007,816	x	x
Steel, primary forms - Total	10,607,267	10,392,713	x	1,073,668
Included in "Steel primary forms total" above				
Continuous cast steel	10,479,520	10,273,361	x	1,034,410

Table 2-1
Steel pipe and tubing — Production and shipments, monthly 2007

	Production	Shipments for sale		Total shipments
		Domestic ¹ shipments	Exports ²	
		metric tonnes		
August				
Total, pipe and tubing	175,440	106,353	108,844	215,197
Pipe welded and seamless				
Line pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	2,660	4,316	21	4,337
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	35	3,494	0	3,494
over 16" (40.64 cm) outside diameter	27,094	251	36,808	37,059
Hollow structural sections				
up to and including 16" (40.64 cm) periphery	18,541	9,250	9,409	18,659
over 16" (40.64 cm) periphery	46,105	14,992	31,973	46,965
Standard pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	3,798	1,512	2,873	4,385
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	771	891	618	1,509
Other pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	1,070	870	167	1,037
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	1,297	873	2	875
over 16" (40.64 cm) outside diameter	1,555	342	400	742
Mechanical tubing				
Mechanical tubing, welded, produced from hot rolled	30,320	20,644	9,372	30,016
Mechanical tubing, welded, produced from cold rolled	19,106	4,295	2,971	7,266
Oil country tubular goods				
Oil country tubular goods, welded and seamless, casing (including coupling)	19,130	36,334	10,801	47,135
Oil country tubular goods, welded and seamless, oilwell tubing (including coupling)	3,566	x	x	8,152
Other tubular products	392	x	x	3,566

1. Including for own use by the steel pipe and tubing industries.

2. As reported by respondents to this survey. For total exports see Exports by commodity, catalogue number 65-004-XPB.

Table 2-2
Steel pipe and tubing — Production and shipments, year-to-date 2007

	Production	Shipments for sale		Total shipments
		Domestic ¹ shipments	Exports ²	
metric tonnes				
Year-to-date				
Total, pipe and tubing	1,733,524	968,839	918,459	1,887,298
Pipe welded and seamless				
Line pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	x	23,794	165	23,959
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	26,804	34,171	6,937	41,108
over 16" (40.64 cm) outside diameter	364,535	93,714	331,935	425,649
Hollow structural sections				
up to and including 16" (40.64 cm) periphery	167,680	88,146	82,449	170,595
over 16" (40.64 cm) periphery	394,862	126,192	263,184	389,376
Standard pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	32,728	17,322	22,180	39,502
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	11,494	15,044	7,048	22,092
Other pipe				
up to and including 4 1/2" (11.43 cm) outside diameter	17,990	5,708	1,909	7,617
over 4 1/2" (11.43 cm) up to and including 16" (40.64 cm) outside diameter	18,628	11,178	200	11,378
over 16" (40.64 cm) outside diameter	18,096	8,566	2,150	10,716
Mechanical tubing				
Mechanical tubing, welded, produced from hot rolled	226,455	149,057	66,869	215,926
Mechanical tubing, welded, produced from cold rolled	122,473	45,811	25,750	71,561
Oil country tubular goods				
Oil country tubular goods, welded and seamless, casing (including coupling)	265,132	x	x	x
Oil country tubular goods, welded and seamless, oilwell tubing (including coupling)	42,346	x	x	x
Other tubular products	x	x	x	x

1. Including for own use by the steel pipe and tubing industries.

2. As reported by respondents to this survey. For total exports see Exports by commodity, catalogue number 65-004-XPB.

Table 3-1
Steel and specified wire products — Factory shipments 1, monthly

	Shipments				Production
	2006	2007			
		Total shipments	Domestic shipments	Exports ²	
	metric tonnes				
August					
Barbed wire	187	99	x	x	.
Uncoated steel wire	18,413	18,539	10,611	7,928	.
Galvanized steel wire	14,212	13,254	5,365	7,889	.
Other coated steel wire	x	x	x	x	.
Farm fencing and wire chain link fabric	887	900	x	x	1,008
Wire mesh, bright or uncoated and galvanized	6,037	4,732	x	x	5,753
Wire rope	3,498	2,674	x	x	2,669
Nails and staples	x	x	x	2,841	x
Wire roofing nails of a length of 25 mm or more, iron or steel	4,402	5,013	2,172	2,841	5,159
Staples of iron or steel	x	x	x	0	x
All other wire products	x	x	x	6	x
Grand total	50,161	47,212	26,670	20,542	.

1. Totals may not add due to rounding.

2. As reported by respondents to this survey. For total exports see Exports by commodity, catalogue number 65-004-XPB.

Table 3-2
Steel and specified wire products — Factory shipments 1, year-to-date

	Shipments				Production
	2006	2007			
		Total shipments	Domestic shipments	Exports ²	
	metric tonnes				
Barbed wire	x	x	x	x	.
Uncoated steel wire	151,394	139,379	79,016	60,363	.
Galvanized steel wire	109,698	104,358	43,456	60,902	.
Other coated steel wire	x	x	x	x	.
Farm fencing and wire chain link fabric	8,209	x	x	x	x
Wire mesh, bright or uncoated and galvanized	34,534	36,479	x	x	38,087
Wire rope	x	23,885	x	x	23,280
Nails and staples	x	x	x	x	x
Wire roofing nails of a length of 25 mm or more, iron or steel	38,355	36,530	x	x	x
Staples of iron or steel	x	x	x	x	x
All other wire products	x	x	x	x	x
Grand total	394,459	370,094	213,203	156,891	.

1. Totals may not add due to rounding.

2. As reported by respondents to this survey. For total exports see Exports by commodity, catalogue number 65-004-XPB.

Concepts, methodology and data quality

This publication presents the results of four monthly surveys: Steel Primary Forms, Steel Castings and Pig Iron; Ingots and Rolled Steel Products; Steel Pipe and Tubing; and Steel Wire and Specified Wire Products. These surveys measure, on a monthly basis, the quantities of selected steel products that are produced and shipped by Canadian manufacturers. The target population for these surveys includes manufacturers in Canada of primary steel, steel products, pig iron, steel pipe and tubing as well as, steel wire as defined in the Standard Classification of Goods (SCG) that report these products to the Annual Survey of Manufactures and Logging or ASML (Survey ID 2103). This means that estimates from the monthly surveys do not cover the entire universe of steel producers in Canada because the ASML does not survey all businesses. Instead, the ASML uses administrative data to cover the small and medium-sized establishments. These manufacturers are not part of the four monthly surveys.

General methodology

Data are collected each month, directly from survey respondents using a mail-out / mail-back process. Data capture and preliminary editing are performed simultaneously to ensure validity of the data. Businesses from whom no response has been received or whose data may contain errors are followed-up by telephone or fax.

Missing data for the current month are imputed automatically by applying to the previous month's value, the month-to-month change observed for the same period in the previous year, for the unit in question. However, an option exists for analysts to manually override this imputation with a better estimate based on pertinent knowledge about the industry or the business.

Various confidentiality rules are applied to all data before they are released to prevent the publication or disclosure of any information deemed confidential. If necessary, data are suppressed to prevent the direct or residual disclosure of identifiable data.

Direct disclosure could occur when the value in a tabulation cell is composed of a few respondents or when the cell is dominated by a few companies. Residual disclosure could occur when confidential information can be derived indirectly by piecing together information from different sources or data series.

Under normal circumstances, data are collected, captured, edited, tabulated and published within 6-8 weeks after the reference month.

Revisions

Data may be revised to include amended information or reports from respondents that are received after the end of a collection cycle. Revisions are disseminated in subsequent periods and reflected in the CANSIM series and in the tables of this publication.

Data accuracy

The methodology of these surveys has been designed to promote data accuracy. Since data are collected from all Canadian producers of primary steel, steel products, pig iron, steel pipe and tubing and steel wire within the target population, the resulting estimates are not subject to sampling error. However, the results are still subject to the non-sampling errors associated with coverage, non-response, inaccurate reporting, and processing. Errors relating to coverage and non-response can be measured and are summarized in text table 1. All attempts are made to control inaccurate reporting and processing errors.

Moreover, survey results are analyzed to ensure comparability with patterns observed in historical data series and the economic condition of the industry. Information available from other sources such as the Steel Primary Forms Weekly Survey (Survey ID 2131) and the Monthly Survey of Manufacturing or MSM (Survey ID 2101) are also used in the validation process.

Coverage error

There is a degree of under coverage (referred to as coverage error) in the survey results as there is generally a lag between the time a new business comes into existence and when it is included in the universe of these sub-annual surveys. This occurs because the list of businesses surveyed is derived from the latest available survey results for the ASML which are not available until 15 months after the reference period.

This error is kept at a minimum by also using advance information from the ASML frame, feedback from the MSM and other sources such as the Canadian Steel Producer's Association, trade journals and newspaper articles, to identify new survey units.

Non-response error

Some respondents may be unable to provide data for numerous reasons (i.e. fire, theft, strike, economic hardship, etc.), while others may be late in responding. To minimize non-response, delinquent respondents are followed up rigorously by phone or fax. Data for non-responding units are imputed using industry trend and other related information. Data are revised at a later date, if completed questionnaires are received after the end of a collection cycle.

Inaccurate response

Inaccuracy may result from poor questionnaire design or an inability on the part of respondents to provide the requested information or from misinterpretation of the survey questions. To reduce such errors the format and wording in the questionnaire are reviewed from time to time and modified based on feedback from survey respondents and data users. Respondents are also reminded of the importance of their contribution and of the need for accurate data reporting.

Processing errors

These errors may occur at various stages in the processing of survey data such as data entry, verification, editing and tabulation. Data are examined for such errors using automated edits along with an analytical review by subject matter experts. Several checks are performed on the collected data to verify internal consistency and comparability over time.

Text table 1
Coverage and non-response errors

	Coverage error based on ASML 2004	Non-response error- annual average 2005
	percent	
Steel primary forms steel castings and pig iron	0	6
Ingots and rolled steel products	3	0
Steel pipe and tubing	0	0
Steel wire	0	0

Definitions

Shipments:

Shipments refer to the quantity of manufactured goods that are shipped, during the reference period from the plant to customers in domestic or export markets.

Production:

Production refers to the quantity of goods manufactured in Canada during a reference period including intermediate products. The final goods may be shipped or retained in inventory.

Exports:

Shipments of goods destined for customers outside of Canada.

Disposition of shipments:

Disposition of shipments refers to the distribution of shipped quantities of manufactured goods by end use (market).

Coverage ratio:

The share of total ASM shipment values for products included in a given sub-annual survey from businesses surveyed by the same sub-annual survey.

Non-response rate:

Number of non-responses in the year, divided by the number of total expected responses in the year.

More detailed information is available from the Annual Survey of Manufactures and Logging, CANSIM Table 301-0003. Specific enquiries should be directed to: The Marketing and Dissemination Section, Manufacturing, Construction and Energy Division, Statistics Canada, Ottawa, Ontario, K1A 0T6 (Telephone: 1-866-873-8789 or (613) 951-9497; Fax: (613) 951-9499; Internet: manufact@statcan.ca).