



Monthly Survey of Manufacturing

November 2003





Statistique Canada Canadä

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November 2003

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Symbols

The following symbols are used in this Statistics Canada publication:

- . not available for any reference period.
- .. not available for a specific reference period.
- ... not applicable.
- x suppressed to meet the confidentiality requirements of the Statistics Act.

Notice to users

Estimates in this publication are subject to revision to accommodate newly received information. It is advisable to always use data from the most recent issue.

In the following tables, some components may not add exactly to the total, because of rounding.

For a complete description of concepts, methodology and definitions, please refer to the "Survey Documentation" section at the end of this publication or consult Statistics Canada's Website at www.statcan.ca/english/sdds/2101.htm .

A note on CANSIM

The data published in Monthly Survey of Manufacturing (Tables 304-0014 and 304-0015) (Catalogue No. 31-001-XIE) are also available in machine-readable form through CANSIM (Canadian Socio-Economic Information Management System). Users interested in accessing data via CANSIM should contact one of Statistics Canada's regional centres at the numbers listed on the inside front cover of this Publication, or contact the Marketing Division, Statistics Canada R.H. Coats Building, Ottawa, Ontario, KIA 0T6 (613) 951-8200.

Acknowledgement

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Highlights

In November, motor vehicle manufacturing dragged down total shipments by 0.5% to \$42.2 billion, the second consecutive decline. Excluding the recently volatile motor vehicle and parts industries, shipments edged up a modest

Only 9 of the 21 manufacturing industries, accounting for 57% of total shipments, posted decreases in November. Although the majority of manufacturers reported higher shipment activity during the month, most increases were modest.

Ontario's manufacturers reduce shipments again

Manufacturing in Ontario retracted by \$353 million (-1.6%) to \$22.3 billion, leading the four provinces and territories that reported lower shipments in November. A slowdown in motor vehicle manufacturing, coupled with decreases in shipments of petroleum and food, contributed to Ontario's third decline in the last four months.

Quebec manufacturers reported a \$15.9 million (-0.2%) decline in shipments to \$9.7 billion, mostly the result of decreases in production of aerospace products and food. Fewer shipments of transportation equipment and fabricated metal products contributed to Manitoba's \$15.6 million (-1.6%) decline in November.

US manufacturers outpace Canada

The SARS virus, BSE (mad cow disease), forest fires, and the soaring value of the dollar Canadian were among several hurdles facing the Canadian economy in 2003. In the first 11 months of the year, shipments declined 1.3% from the same period of 2002. This was in sharp contrast to the United States, Canada's largest trading partner.

Following sluggish economic growth in recent years, several sectors of the US economy, manufacturing included, posted strong gains in 2003. From January to November, US shipments rose 2.2% from 2002, increasing in six of the last seven months. Unfilled orders have been on a steady rise since August.

While the US economy appears to be on the road to recovery, there are concerns that the strengthening value of the Canadian dollar may curb demand for Canada's manufactured goods. In November, the dollar closed in on a ten-year high of 77 cents against the US greenback, up almost 20% since the start of the year. Just over 50% of Canada's manufactured outputs are destined for international markets.

Shipments by province and territory

	October 2003	November 2003	October to november 2003
	Sea	sonally adjust	ed
	\$	millions	% change
Newfoundland and Labrador Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon, Northwest Territories	189 114 707 1,001 9,760 22,660 989 652 3,569 2,786	195 115 745 1,093 9,744 22,307 973 653 3,563 2,815	3.3 1.1 5.5 9.2 -0.2 -1.6 -1.6 0.2 -0.2
and Nunavut	6	5	-11.4

Job growth weakened in 2003

According to the year-end report of the Labour Force Survey. manufacturers hired fewer employees in 2003. Since November 2002, the number of manufacturing jobs declined by 82,000 (-3.5%), losses that were largely concentrated in Quebec and Ontario.

On a monthly basis, manufacturing employment edged down 0.2% (-4,100 jobs) in December, following November's 1.0% boost. At year's end, there were just under 2.3 million people employed in Canadian factories.

Fewer motor vehicles and aircraft manufactured in November

Manufacturers of motor vehicles reported a 3.6% drop in shipments to \$4.8 billion in November, the second decline in a row. Some assembly plants were temporarily closed for retooling, while others faced production slowdowns for inventory control measures. Year-to-date shipments are down 5.8% from 2002.

Other industries reporting lower shipments included aerospace products and parts (-11.6%), food (-1.6%) and motor vehicle parts (-2.8%).

Partly offsetting the overall decline in total manufacturing, shipments of petroleum and coal products rose 2.2% to \$2.8 billion in November. Higher sales of petroleum products for the winter season contributed to the first increase since August. Boosts in manufacturing of machinery (+3.0%) and computers (+3.8%) also contributed to counteracting November's overall decline.

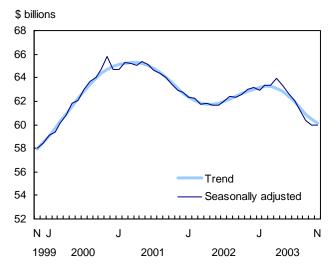
Shipments decline for the second consecutive month

\$ billions 47 45 43 41 39 37 Trend 35 Seasonally adjusted 33 NJ 1999 2000 2001 2002 2003

Inventories remain steady

Following six consecutive declines, manufacturers held inventories constant at \$59.9 billion in November, the lowest level since February 2000. As the year draws to a close. inventories may be bottoming out, as the rate of depletion has slowed in recent months. Inventories are down 6.2% since the latest high of \$63.9 billion in April.

Inventories maintain their level in November



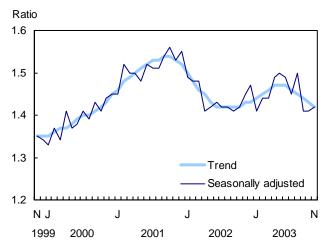
By stage of fabrication, raw materials inventories continued an eight-month decline, falling 0.6% to \$25.9 billion. This was offset by November's 1.1% rise in goods-in-process inventories, ending a six-month slide. Meanwhile, finishedproduct inventories were largely unchanged at \$18.9 billion. Higher inventories of chemical products (+2.1%) and primary metals (+1.2%) were offset by declines in the computer (-1.5%) and railroad rolling stock industries (-5.3%).

The inventory-to-shipment ratio advances slightly

November's decrease in shipments contributed to the slight rise in the inventory-to-shipment ratio to 1.42 from October's 1.41. Despite November's upward movement, the ratio has been trending down during the second half of 2003, as manufacturers continued their efforts to keep fewer inventories on hand, despite some erosion in shipment activity.

The finished-product inventory-to-shipment ratio remained stable at 0.45 for the second consecutive month. This ratio is a measure of the time that would be required in order to exhaust finished-products if shipments were to remain at their current level.

Lower shipments push up the inventory-toshipment ratio

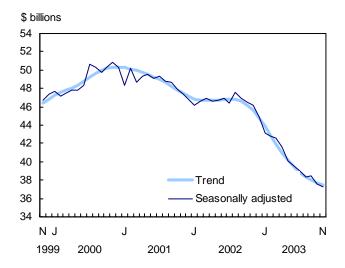


Fewer orders on the books

Despite the recent strength of the US economy, Canadian manufacturers posted a 0.8% drop in unfilled orders in November. Total unfilled orders were \$37.2 billion, the lowest level in over six years. Contract cancellations and continued weak sales were reported by some industries, as the Canadian dollar soared to a 10-year high during the month.

Leading all industries, unfilled orders of the aerospace products and parts fell another 3.2% to \$10.5 billion in November. Orders have declined in 25 of the last 26 months, as ongoing weakness in the commercial aircraft sector continued to besiege the aerospace industry. Excluding the aerospace products and parts industry, total unfilled orders edged up 0.1%.

Unfilled orders continue to decline



Following September's big boost in unfilled orders of computer products, manufacturers in the high tech sector have lost ground in recent months. Orders fell back sharply in October (-6.4%) and November (-4.1%). Offsetting some of the decline, increases in unfilled orders were reported by the plastics and rubber products (+13.7%) and machinery (+1.2%) industries.

New orders rise

A bright note in November's report, manufacturers indicated a 1.0% increase in new orders to \$41.9 billion. New orders have increased in four of the last six months, and the trend continued to gradually improve. The rise in new orders was wide reaching, including the plastics and rubber products, machinery and computer industries.

Note to readers

In addition to current-month estimates, data for the previous three months are regularly revised. Factors influencing revisions include late receipt of company data, incorrect information reported earlier, replacement of estimates with actual figures (once available), and seasonal adjustments. Consult the appropriate CANSIM tables for revised data.

Non-durable goods industries include food, beverage and tobacco products, textile mills, textile product mills, leather and allied products, paper, printing and related support activities, petroleum and coal products, chemicals and plastic and rubber products.

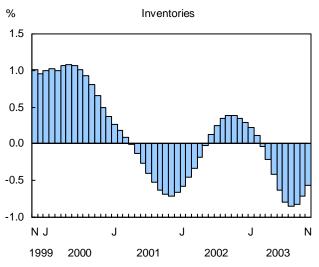
Durable goods industries include clothing, wood products, non-metallic mineral products, primary metals, fabricated metal products, machinery, computer and electronic products, electrical equipment, appliance and components, transportation equipment, furniture and related products and miscellaneous manufacturing.

Unfilled orders are a stock of orders that will contribute to future shipments assuming that the orders are not

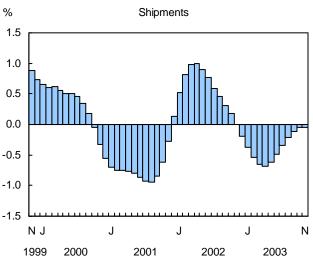
New orders are those received whether shipped in the current month or not. They are measured as the sum of shipments for the current month plus the change in unfilled orders. Some people interpret new orders as orders that will lead to future demand. This is inappropriate since the "new orders" variable includes orders that have already been shipped. Readers should take note that the monthto-month change in new orders may be volatile. This will happen particularly if the previous month's change in unfilled orders is closely related to the current month's change.

Not all orders will be translated into Canadian factory shipments because portions of large contracts can be subcontracted out to manufacturers in other countries.

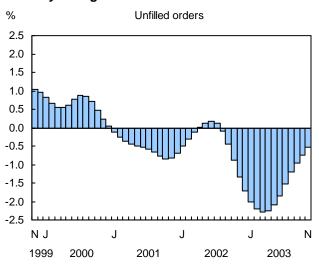
Monthly change in trend



Monthly change in trend



Monthly change in trend



Products and Services

Related Products and Data Sources

- Manufacturing Industries of Canada, 31-203-XPB
- Business Condition Survey, CANSIM (\$) tables 302-0007 and 302-0008
- Perspectives on Labour and Income, 75-001-XIE or 75-001-XPE
- Industrial Product Price Indexes, 62-011-XIE or 62-011-XPB
- Industrial Capacity Utilization Rates CANSIM II table 028-0002

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Schedule of releases	Monthly Survey of Manufacturing
Reference period	Release date
November 2002	January 22, 2003
December 2002	February 18, 2003
January 2003	March 18, 2003
February 2003	April 16, 2003
March 2003	May 15, 2003
April 2003	June 13, 2003
May 2003	July 16, 2003
June 2003	August 14, 2003
July 2003	September 16, 2003
August 2003	October 15, 2003
September 2003	November 14, 2003
October 2003	December 16, 2003
November 2003	January 21, 2004
December 2003	February 13, 2004

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To view the MSM survey questionnaire www.statcan.ca/english/sdds/2101.htm

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Table 1 All manufacturing industries

		Un	adjusted					Se	asonal	ly adju	sted	
Period	Shipments	Invento		illed ders	New orders		Shipm	ents Inve	entorie	S	Unfilled orders	New orders
					\$ n	nillion	IS					
November 2002	44,305	63	,129 46	,202	43,734		43,	385	62,98	9	46,127	43,021
December 2002	39,721	62	,389 44	,536	38,054		42,	998	63,16	1	44,820	41,690
January 2003	41,879	62	,601 42	,643	39,986		44,	520	62,92	9	43,123	42,823
February 2003	40,817	63	,980 42	,588	40,762		43	901	63,30	7	42,807	43,584
March 2003	45,280	64	,512 42	,467	45,159		44,	070	63,36	8	42,616	43,879
April 2003	43,482	64	,595 41	,315	42,330		42,	953	63,89	8	41,630	41,967
May 2003	44,714	63	,666 40	,096	43,495		42,	285	63,35	8	40,057	40,711
June 2003	43,793	62	,293 39	,277	42,973		42,	128	62,63	5	39,504	41,576
July 2003	39,307	61	,423 39	,176	39,206		42,	897	62,08	5	38,972	42,365
August 2003	41,121	60	,953 38	,680	40,625		40,	659	61,11	3	38,318	40,005
September 2003	44,965	59	,997 38	,870	45,154		42,	951	60,42	0	38,502	43,136
October 2003	45,291	59	,518 37	,847	44,269		42,	433	59,92	4	37,558	41,489
November 2003	42,106	59	,911 37	,387	41,646		42,	209	59,92	8	37,240	41,891
	Mo	nth to mo	nth % change		Inven	ntory t	to	ı	Vonth	to mor	nth % change	
	Shipmen	ts	Invento	ries	shipments ratio		atio	Unfilled	Unfilled orders		New ord	ders
	Seasonally adjusted	Trend	Seasonally adjusted	Trend	Seasonal adjuste		Trend	Seasonal adjuste	ly ed T	rend	Seasonally adjusted	Trend
November 2002	-1.7	0.0	0.7	0.3	1.4	45	1.43	-0	.8	-1.3	-1.5	-0.5
December 2002	-0.9	-0.2	0.3	0.3	1.4	17	1.43	-2		-1.7	-3.1	-0.6
January 2003	3.5	-0.4	-0.4	0.2	1.4		1.44	-3		-2.0	2.7	-0.7
February 2003	-1.4	-0.5	0.6	0.1	1.4		1.45	-0		-2.2	1.8	-0.7
March 2003	0.4	-0.6	0.1	0.0	1.4	14	1.46	-0	.4	-2.3	0.7	-0.7
April 2003	-2.5	-0.7	0.8	-0.2	1.4		1.47	-2		-2.3	-4.4	-0.6
May 2003	-1.6	-0.6	-0.8	-0.4	1.5	50	1.47	-3	.8	-2.1	-3.0	-0.4
June 2003	-0.4	-0.5	-1.1	-0.6	1.4		1.47	-1		-1.8	2.1	-0.2
July 2003	1.8	-0.3	-0.9	-0.8	1.4		1.46	-1	.3	-1.5	1.9	0.0
August 2003	-5.2	-0.2	-1.6	-0.9	1.5		1.45	-1		-1.2	-5.6	0.1
September 2003	5.6	-0.1	-1.1	-0.8	1.4		1.44		.5	-1.0	7.8	0.1
October 2003	-1.2	-0.1	-0.8	-0.7	1.4		1.43	-2		-0.7	-3.8	0.1
0010001 2000			0.0	-0.7	1.4	† I	1.40			0.7	0.0	

Table 2
Motor vehicle, and parts and accessories industries

		1	Unadjusted					Seaso	nally adju	sted	
Period	Shipments	Inver		filled ders	New orders	Shi	oments	Invento	ories	Unfilled orders	New orders
					\$ mi	llions					
November 2002	8,695		3,660 1	,933	8,660		8,124	3	,586	1,932	8,097
December 2002	6,157		3,689 1	,855	6,079		7,258	3	,751	1,853	7,179
January 2003	8,166		3,585 1	,834	8,145		8,236	3	,552	1,816	8,199
February 2003	8,211		3,630 1	,787	8,164		8,076	3	,580	1,779	8,039
March 2003	8,926		3,529 1	,724	8,863		8,335	3	,495	1,730	8,286
April 2003	8,538		3,500 1	,630	8,443		8,039	3	,489	1,680	7,989
May 2003	8,733		3,420 1	,581	8,684		7,935	3	,395	1,606	7,861
June 2003	8,405		3,238 1	,583	8,407		7,800	3	,312	1,600	7,794
July 2003	5,340		3,160 1	,607	5,364		8,351	3	,221	1,589	8,340
August 2003	6,894		3,046 1	,657	6,944		6,857	3	,060	1,659	6,926
September 2003	8,158		3,164 1	,668	8,169		7,810	3	,169	1,645	7,796
October 2003	8,467		3,080 1	,726	8,525		7,752	3	,114	1,713	7,821
November 2003	7,598		3,144 1	,753	7,625		7,494	3	,097	1,715	7,495
	Mo	onth to n	nonth % change		Invent	ory to		Moi	nth to mo	nth % change	
	Shipmer	its	Invento	ries	shipmer	shipments ratio		Unfilled orders		New orders	
	Seasonally adjusted	Trend	Seasonally adjusted	Trend	Seasonally adjusted			asonally djusted	Trend	Seasonally adjusted	Trend
November 2002	-2.1	-0.8	3.9	0.4	0.44	0.43		-1.4	-0.6	-1.6	-1.1
December 2002	-10.7	-0.8	4.6	0.2	0.52			-4.1	-1.7	-11.3	-1.1
January 2003	13.5	-0.7	-5.3	-0.2	0.43			-2.0	-2.5	14.2	-0.9
February 2003	-1.9	-0.7	0.8	-0.6	0.44			-2.1	-2.9	-2.0	-0.7
March 2003	3.2	-0.7	-2.4	-1.1	0.42			-2.8	-2.9	3.1	-0.7
April 2003	-3.5	-0.8	-0.2	-1.5	0.43			-2.9	-2.6	-3.6	-0.7
May 2003	-1.3	-0.8	-2.7	-1.8	0.43			-4.4	-1.8	-1.6	-0.7
June 2003	-1.7	-0.8	-2.4	-1.9	0.42			-0.4	-0.9	-0.8	-0.6
July 2003	7.1	-0.8	-2.7	-1.8	0.39			-0.7	0.0	7.0	-0.6
August 2003	-17.9	-0.8	-5.0	-1.5	0.45			4.4	0.7	-16.9	-0.7
September 2003	13.9	-0.7	3.6	-1.1	0.41			-0.8	0.9	12.6	-0.7
October 2003	-0.7	-0.7	-1.7	-0.6	0.40			4.2	0.8	0.3	-0.7

Table 3 All manufacturing industries except motor vehicle, parts and accessories industries

		Uı	nadjusted						Seaso	nally adju	sted	
Period	Shipments	Invent		filled ders	New orders		Shipr	nents	Invento	ries	Unfilled orders	New orders
						\$ millio	ns					
November 2002	35,610	59	,468 44	,269	35,075		3	5,260	59,	403	44,195	34,923
December 2002	33,564	58	,700 42	,681	31,975		3	5,740	59,	410	42,967	34,511
January 2003	33,713	59	,016 40	,809	31,841		30	5,284	59,	376	41,307	34,624
February 2003	32,607	60	,350 40	,801	32,598		3	5,825	59,	728	41,027	35,546
March 2003	36,354	60	,983 40	,743	36,296		3	5,735	59,	873	40,886	35,593
April 2003	34,945	61	,095 39	,685	33,887		34	4,914	60,	409	39,950	33,979
May 2003	35,981	60	,246 38	,515	34,811		34	4,350	59,	963	38,451	32,850
June 2003	35,388	59	,055 37	,694	34,566		34	4,328	59,	323	37,904	33,781
July 2003	33,968	58	,263 37	,569	33,842		34	4,547	58,	864	37,383	34,025
August 2003	34,226	57	,907 37	,023	33,681		33	3,802	58,	053	36,659	33,078
September 2003	36,806	56	,833 37	,202	36,986		3	5,142	57,	251	36,857	35,340
October 2003	36,824	56	,438 36	,122	35,744		34	4,681	56,	810	35,845	33,668
November 2003	34,508	56	5,766 35	,634	34,021		34	4,716	56,	831	35,525	34,396
	Mo	onth to mo	onth % change		In	ventory	to to		Mor	nth to mo	nth % change	
	Shipmen	its	Invento	ries	shipments rat		ratio U		Unfilled orders		New or	ders
	Seasonally adjusted	Trend	Seasonally adjusted	Trend	Seaso adjı	nally usted	Trend		sonally djusted	Trend	Seasonally adjusted	Trend
November 2002	-1.6	0.2	0.5	0.3		1.68	1.66		-0.8	-1.4	-1.4	-0.3
December 2002	1.4	0.0	0.0	0.3		1.66	1.66		-2.8	-1.7	-1.2	-0.5
January 2003	1.5	-0.3	-0.1	0.2		1.64	1.67		-3.9	-2.0	0.3	-0.6
February 2003	-1.3	-0.5	0.6	0.2		1.67	1.68		-0.7	-2.2	2.7	-0.7
March 2003	-0.3	-0.6	0.2	0.0		1.68	1.70		-0.3	-2.3	0.1	-0.7
April 2003	-2.3	-0.7	0.9	-0.1		1.73	1.70		-2.3	-2.2	-4.5	-0.6
May 2003	-1.6	-0.6	-0.7	-0.3		1.75	1.71		-3.8	-2.1	-3.3	-0.4
June 2003	-0.1	-0.4	-1.1	-0.6		1.73	1.71		-1.4	-1.9	2.8	-0.1
July 2003	0.6	-0.2	-0.8	-0.7		1.70	1.70		-1.4	-1.6	0.7	0.1
August 2003	-2.2	-0.1	-1.4	-0.8		1.72	1.68		-1.9	-1.3	-2.8	0.3
September 2003	4.0	0.0	-1.4	-0.8		1.63	1.67		0.5	-1.0	6.8	0.3
October 2003	-1.3	0.1	-0.8	-0.7		1.64	1.66		-2.7	-0.8	-4.7	0.3
November 2003	0.1	0.1	0.0	-0.6		1.64	1.65		-0.9	-0.6	2.2	0.3

Table 4
Shipments by major group and selected industries

				Unadjuste	d		
				Curr	ent periods		
	NAICS Code	November 2003		October 2003	September 2003		August 2003
				\$ millions	i		
Food manufacturing Beverage and tobacco product manufacturing Textile mills Textile product mills Clothing manufacturing Leather and allied product manufacturing Wood product manufacturing Paper manufacturing Printing and related support activities Petroleum and coal products manufacturing Chemical manufacturing Plastics and rubber products manufacturing Non-metallic mineral product manufacturing Primary metal manufacturing Fabricated metal product manufacturing Machinery manufacturing Computer and electronic product manufacturing Electrical equipment, appliance and component manufacturing Transportation equipment manufacturing Motor vehicle manufacturing Motor vehicle body and trailer manufacturing Motor vehicle parts manufacturing Aerospace product and parts manufacturing Railroad rolling stock manufacturing Ship and boat building Furniture and related product manufacturing Miscellaneous manufacturing	311 312 313 314 315 316 321 322 323 324 325 326 327 331 332 333 334 335 336 3361 3362 3363 3363 3364 3365 3363	5,450 1,106 238 179 547 59 2,394 2,468 898 2,791 3,071 1,940 1,023 2,663 2,378 1,930 1,577 765 9,152 4,951 199 2,647 829 247 71 1,002		5,831 1,132 248 201 597 76 2,654 2,602 911 2,815 3,334 2,147 1,241 2,916 2,625 2,007 1,474 767 10,129 5,464 234 3,003 987 194 71 1,060 523	5,556 1,140 258 189 578 92 2,627 2,649 893 3,268 2,051 1,221 2,854 2,644 2,027 1,865 820 9,724 5,362 212 2,797 854 235 67 1,081		5,346 1,246 240 182 564 80 2,486 2,627 7,97 3,133 2,972 1,866 1,164 2,514 2,334 1,662 1,423 8,322 4,370 1855 2,525 841 1,566 64 1,006 460
Non-durable goods industries Durable goods industries Manufacturing		18,200 23,906 42,106		19,298 25,993 45,291	19,033 25,931 44,965		18,488 22,632 41,121
		Previou	ıs year	Year-to-da	ate	Annua	<u> </u>
		November 2002	October 2002	% Change from 2002	2003	% Change from 2001	2002
				\$ millions			
Food manufacturing Beverage and tobacco product manufacturing Textile mills Textile product mills Clothing manufacturing Leather and allied product manufacturing Wood product manufacturing Paper manufacturing Printing and related support activities Petroleum and coal products manufacturing Chemical manufacturing Plastics and rubber products manufacturing Non-metallic mineral product manufacturing Primary metal manufacturing Fabricated metal product manufacturing Machinery manufacturing Computer and electronic product manufacturing Electrical equipment, appliance and component manufacturing Motor vehicle manufacturing Motor vehicle manufacturing Motor vehicle parts manufacturing Motor vehicle parts manufacturing Aerospace product and parts manufacturing Railroad rolling stock manufacturing Ship and boat building Furniture and related product manufacturing Miscellaneous manufacturing Miscellaneous manufacturing Miscellaneous manufacturing	311 312 313 314 315 316 321 322 323 324 325 326 327 331 332 333 334 336 3361 3362 3363 3363 3363 3365 3366 337	5,328 1,070 256 209 631 70 2,313 2,830 904 2,895 3,212 1,921 1,038 2,728 2,360 1,961 1,663 796 10,580 5,862 2,255 2,833 1,110 275 63 1,041	5,615 1,106 278 229 681 85 2,622 2,911 922 3,213 3,386 2,071 1,212 2,943 2,571 2,183 1,737 812 10,935 6,065 2,989 1,099 253 70 1,147	1.7 1.9 1.0.1 -10.3 -9.1 -13.5 -4.0 0.3 12.3 5.1 1.3 4.5 2.1 1.1 -5.6 -14.5 -4.4 -5.5 -5.8 -1.0 -4.4 -4.5 -23.6 -0.9	58,525 12,323 2,686 2,101 5,761 626 26,339 28,900 9,274 32,870 36,403 21,682 11,322 30,295 25,886 20,949 16,615 8,267 105,585 58,157 2,474 29,278 10,393 2,535 11,287 5,060	1.1 3.7 -3.7 0.5 -3.0 -9.9 7.2 -4.4 -4.1 1.1 4.0 6.7 9.7 8.8 2.8 1.3 -16.5 -7.6 4.6 5.7 8.5 10.2 -15.0 5.4 20.6 2.4	62,911 13,304 3,210 2,520 6,785 777 29,498 32,726 10,061 32,350 23,769 23,002 11,586 32,216 27,513 21,255 9,335 119,472 2,878 1,242 12,303
Miscellaneous manufacturing Non-durable goods industries Durable goods industries Manufacturing	339	498 18,696 25,609 44,305	533 19,815 27,377 47,191	-0.6 2.5 -4.0 -1.3	5,060 205,389 267,365 472,755	8.5 1.1 2.5 1.9	5,527 218,631 299,874 518,505

Table 4 Shipments by major group and selected industries - concluded

Food manufacturing Beverage and tobacco product manufacturing Textile mills Textile product manufacturing Textile product manufacturing Textile product manufacturing Textile mills Textile mills Textile product mills Textile product mills Textile mills Textile mills Textile product manufacturing Textile mills Textile product mills Textile product mills Textile product manufacturing Textile product mills Textile mills Textile mills Textile mills Textil	Change from October -88 -14 -3 -3 -4 -2 -2 -22 -22 -22 -62 -10 -24 -4 -4 -41 -56 -57 -18 -313 -182 -19 -76 -106 -33 -5 -9 -17 -1 -224 -223 Change fr	1 2 4 om previous r	ember 2003 5,412 1,155 236 180 506 53 2,513 2,450 854 2,804 3,207 1,991 1,006 2,768 2,335 1,962 1,559 750 9,033 4,829 2,665 809 227 88 908 245 88,343 3,866 2,209 month	Current p October 2003 \$ milli 5,499 1,141 233 183 501 55 2,511 2,472 832 2,742 3,217 1,968 1,010 2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433 Trence	ons	2003 5,345 1,116 238 181 507 58 2,535 2,571 841 2,836 3,330 1,975 1,022 2,768 2,382 1,912 1,735 7,370 5,146 211 2,664 866 196 89 1,030 1,943 18,491 24,460 42,951	2003 5,206 1,130 233 179 487 55 2,435 2,585 814 2,945 3,063 1,819 984 2,568 2,283 1,485 730 8,399 4,397 217 2,459 889 183 73 974 451 18,029 22,630 40,659
Food manufacturing Beverage and tobacco product manufacturing Textile mills Textile product mills Clothing manufacturing Leather and allied product manufacturing Support of products manufacturing Support of product manufacturin	From October -88 14 3 -3 4 -2 2 2 -22 -22 -10 24 -4 4 -41 56 57 18 -313 -182 -19 -76 -106 33 5 9 -17 1 -224 -223 Change fr	1 2 4 om previous r	2003 5,412 1,155 236 180 506 53 2,513 2,450 854 3,207 1,991 1,006 2,768 2,335 1,962 1,559 7,50 9,033 4,829 208 2,665 809 227 88 988 988 445 8,343 13,866 12,209	2003 \$ milli 5,499 1,141 233 183 501 55 2,511 2,472 832 2,742 3,217 1,968 1,010 2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 83 978 462 18,343 24,090 42,433	ons	2003 5,345 1,116 238 181 507 58 2,535 2,571 841 2,836 3,330 1,975 1,022 2,768 2,382 1,912 1,735 7,370 5,146 211 2,664 866 196 89 1,030 1,943 18,491 24,460 42,951	August 2003 5,206 1,130 233 179 487 5,2435 2,585 814 2,945 3,063 1,819 984 2,568 2,283 1,835 1,485 730 8,399 4,397 217 2,459 889 183 73 974 451 18,029 22,630 40,659
Beverage and tobacco product manufacturing Textile mills Textile product mills Clothing manufacturing Leather and allied product manufacturing Wood product manufacturing Paper manufacturing Paper manufacturing Piniting and related support activities Petroleum and coal products manufacturing Plastics and rubber products manufacturing Non-metallic mineral product manufacturing Primary metal manufacturing Sabrouter and electronic product manufacturing Sabrouter and parts manufacturing Sabrouter and parts manufacturing Sabrouter and related product manufacturing Sabrouter and related produc	14 3 -3 4 -2 2 22 62 -10 24 -4 -41 56 57 18 -313 -182 -19 -76 -106 33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	1,155 236 180 506 53 2,513 2,450 2,804 3,207 1,991 1,006 2,768 2,335 1,962 1,559 9,033 4,829 2008 8,665 8,09 227 88 988 445 1,845 1,	5,499 1,141 233 183 501 55 2,511 2,472 832 2,742 3,217 1,968 1,010 2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 84 462 18,343 24,090 42,433		1,116 238 181 507 58 2,535 2,571 841 2,836 3,330 1,975 1,022 2,768 2,382 1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	1,130 233 179 487 55 2,435 2,585 3,063 1,819 984 2,568 2,283 1,835 1,485 730 8,399 4,397 217 2,459 889 183 73 974 451
Beverage and tobacco product manufacturing Textile mills Textile product mills Clothing manufacturing Leather and allied product manufacturing Wood product manufacturing Paper manufacturing Paper manufacturing Piniting and related support activities Petroleum and coal products manufacturing Plastics and rubber products manufacturing Non-metallic mineral product manufacturing Primary metal manufacturing Sabrouter and electronic product manufacturing Sabrouter and parts manufacturing Sabrouter and parts manufacturing Sabrouter and related product manufacturing Sabrouter and related produc	14 3 -3 4 -2 2 22 62 -10 24 -4 -41 56 57 18 -313 -182 -19 -76 -106 33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	1,155 236 180 506 53 2,513 2,450 2,804 3,207 1,991 1,006 2,768 2,335 1,962 1,559 9,033 4,829 2008 8,665 8,09 227 88 988 445 1,845 1,	1,141 233 183 501 55 2,511 2,472 832 2,742 3,217 1,968 1,010 2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		September 2003 5,345 1,116 238 181 507 58 2,535 2,571 841 2,836 3,330 1,975 1,022 2,768 2,382 1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951 age from previous monotober 2003 September 2003 0.4 0.4 0.4 0.4 0.5 0.0 0.7 0.3 -1.0 -1.1 0.3 0.0 -0.4 -0.2 1.4 1.7 -1.3 -1.4 -1.4 -0.5 0.5 0.5 0.1 0.0 0.7 0.5 0.1 0.2 0.5 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.7 0.5 0.1 0.2 0.5 0.1 0.0 0.7 0.8 0.8 0.7 0.9 0.8 0.7 0.9 0.6	1,130 233 179 487 55 2,435 2,585 3,063 1,819 984 2,568 2,283 1,835 1,485 730 8,399 4,397 217 2,459 889 183 73 974 451
Clothing manufacturing Leather and allied product manufacturing Wood product manufacturing Wood product manufacturing 321 Paper manufacturing 322 Printing and related support activities 323 Petroleum and coal products manufacturing 324 Chemical manufacturing 325 Plastics and rubber products manufacturing 326 Non-metallic mineral product manufacturing 337 Primary metal manufacturing 338 Rachinery manufacturing 339 Computer and electronic product manufacturing 331 Electrical equipment, appliance and component manufacturing 336 Motor vehicle manufacturing 336 Motor vehicle body and trailer manufacturing 336 Motor vehicle parts manufacturing 336 Aerospace product and parts manufacturing 336 Reilnoad rolling stock manufacturing 336 Ship and boat building 336 Furniture and related product manufacturing 337 Miscellaneous manufacturing 338 Non-durable goods industries Durable goods industri	-3 4 -2 2 2 -22 22 62 -10 24 -4 4 -41 56 57 18 -313 -182 -19 -76 -106 33 5 9 -17	2 4 om previous r	180 506 53 2,513 2,450 854 2,804 3,207 1,991 1,006 2,768 2,335 1,962 1,559 9,033 4,829 208 2,665 8,09 227 88 988 988 945 445 8,343 13,866 12,209	183 501 555 2,511 2,472 832 2,742 3,217 1,968 1,010 2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		181 507 58 2,535 2,571 841 2,836 3,330 1,975 1,022 2,768 2,382 1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	179 487 555 2,435 2,585 814 2,945 3,063 1,819 984 2,568 2,283 1,335 1,485 730 8,399 4,397 217 2,459 889 183 73 974 451 18,029 22,630 40,659
Leather and allied product manufacturing Wood product manufacturing Paper manufacturing Paper manufacturing Printing and related support activities Petroleum and coal products manufacturing Plastics and rubber products manufacturing Non-metallic mineral product manufacturing Primary metal manufacturing Machinery manufacturing Machinery manufacturing Sage Machinery manufacturing Motor venicle equipment, appliance and component manufacturing Transportation equipment manufacturing Motor vehicle manufacturing Motor vehicle parts manufacturing Metor vehicle parts manufacturing Merospace product and parts manufacturing Aerospace product and parts manufacturing Motor vehicle parts manufacturing Motor vehicle parts manufacturing Motor vehicle parts manufacturing 3364 Railroad rolling stock manufacturing 3365 Ship and boat building Furniture and related product manufacturing Non-durable goods industries Durable goods ind	-2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 om previous r	53 2,513 2,450 854 2,804 3,207 1,907 1,906 2,768 2,335 1,962 1,559 750 9,033 4,829 208 809 227 88 988 445 18,343 13,866 12,209	55 2,511 2,472 832 2,742 3,217 1,965 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		58 2,535 2,571 841 2,836 3,330 1,975 1,022 2,768 2,382 1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	55 2,435 2,585 3,063 1,819 984 2,568 2,283 1,835 1,485
Paper manufacturing Printing and related support activities Petroleum and coal products manufacturing Chemical manufacturing Plastics and rubber products manufacturing Primary metal manufacturing Primary metal manufacturing Machinery manufacturing Machinery manufacturing Machinery manufacturing Machinery manufacturing Motor vehicle equipment, appliance and component manufacturing Firansportation equipment manufacturing Motor vehicle body and trailer manufacturing Motor vehicle parts manufacturing Motor vehicle	-22 22 62 -10 24 -4 4 -41 56 57 18 -313 -182 -19 -76 -106 33 5 9 -17	2 4 om previous r	2,450 854 2,804 3,207 1,991 1,006 2,768 2,335 1,962 1,559 9,033 4,829 208 2,665 8,09 227 88 988 945 445 8,343 13,866 12,209	2,472 832 2,742 3,217 1,968 1,010 2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		2,571 841 2,836 3,330 1,975 1,022 2,768 2,382 1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	2,585 814 2,945 3,063 1,819 984 2,568 2,283 1,835 1,485 730 8,399 4,397 217 2,459 183 73 974 451 18,029 22,630 40,659
Petroleum and coal products manufacturing Chemical manufacturing Plastics and rubber products manufacturing Non-metallic mineral product manufacturing Primary metal manufacturing Pabricated metal product manufacturing Computer and electronic product manufacturing Signaturing Computer and electronic product manufacturing Electrical equipment, appliance and component manufacturing Motor vehicle body and trailer manufacturing Motor vehicle parts manufacturing Aerospace product and parts manufacturing Signaturing Aerospace product and parts manufacturing Aisilical product mills Clothing manufacturing Signaturing Electrical equipment, appliance and component manufacturing Aisilical product manufacturing Aisilical product manufacturing Aisilical product mills Clothing manufacturing Aisilical product manufacturing Aisilical p	62 -10 24 -4 4 -41 56 57 18 -313 -182 -19 -76 -106 33 5 9 -17 1 -224 -223	2 4 om previous r	2,804 3,207 1,991 1,006 2,768 2,335 1,962 1,559 750 9,033 4,829 208 2,665 809 227 88 988 445 445	2,742 3,217 1,968 1,010 2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		2,836 3,330 1,975 1,022 2,768 2,382 1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	2,945 3,063 1,8119 984 2,568 2,283 1,835 1,488 730 4,397 217 2,459 889 183 75 974 451 18,029 22,630 40,659
Chemical manufacturing Plastics and rubber products manufacturing Non-metallic mineral product manufacturing 326 Non-metallic mineral product manufacturing 337 Frabricated metal product manufacturing 338 Machinery manufacturing 339 Machinery manufacturing 330 Computer and electronic product manufacturing 331 Electrical equipment, appliance and component manufacturing 336 Motor vehicle manufacturing 336 Motor vehicle body and trailer manufacturing 3362 Motor vehicle parts manufacturing 3363 Aerospace product and parts manufacturing 3364 Railroad rolling stock manufacturing 3365 Ship and boat building Furniture and related product manufacturing 337 Miscellaneous manufacturing 338 Non-durable goods industries Durable goods industries Durable goods industries Durable goods industries Manufacturing Food manufacturing 112 Textile product mills Clothing manufacturing 315 Leather and allied product manufacturing 321 Paper manufacturing 322	-10 24 -4 4 -41 56 57 18 -313 -182 -19 -76 -106 33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	3,207 1,991 1,006 2,768 2,335 1,962 1,559 9,033 4,829 208 8,665 809 227 88 988 9445 445 8,343 13,866 12,209	3,217 1,968 1,010 2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		3,330 1,975 1,022 2,768 2,382 1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	3,063 1,815 984 2,568 2,283 1,835 1,485 730 2,17 2,458 889 183 73 974 451 18,029 22,630 40,659
Non-metallic mineral product manufacturing Primary metal manufacturing Fabricated metal product manufacturing Fabricated metal product manufacturing Gactionery manufacturing Computer and electronic product manufacturing Electrical equipment, appliance and component manufacturing Fransportation equipment manufacturing Motor vehicle manufacturing Motor vehicle body and trailer manufacturing Motor vehicle parts manufacturing Motor vehicle manufacturin	-4 4 4 -41 56 57 18 -313 -182 -19 -76 -106 33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	1,006 2,768 2,335 1,962 1,559 750 9,033 4,829 208 2,665 809 227 88 988 445 8,343 13,866 12,209	1,010 2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		1,022 2,768 2,382 1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	984 2,568 2,283 1,485 730 8,399 4,397 217 2,459 888 183 73 972 451 18,029 22,630 40,659
Primary metal manufacturing - Tabricated metal product manufacturing - Abricated metal product manufacturing - Abricated metal product manufacturing - Computer and electronic product manufacturing - Computer and equipment, appliance and component manufacturing - Computer and equipment manufacturing - Computer and and trailer manufacturing - Computer and trailer manufacturing - Computer and parts manufacturing - Computer and parts manufacturing - Computer and parts manufacturing - Computer and related product manufacturing - Computer and tobacco product manufacturing - Computer and allied product manufacturing - Computer and and allied product manufacturing - Computer and and allied product manuf	4 -41 56 57 18 -313 -182 -19 -76 -106 33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	2,768 2,335 1,962 1,559 750 9,033 4,829 208 2,665 809 227 88 988 445 445	2,765 2,376 1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		2,768 2,382 1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	2,568 2,283 1,835 1,488 730 8,399 4,397 217 2,459 451 18,029 22,630 40,659
Machinery manufacturing Computer and electronic product manufacturing Electrical equipment, appliance and component manufacturing 334 Electrical equipment manufacturing 336 Motor vehicle manufacturing 3361 Motor vehicle body and trailer manufacturing 3362 Motor vehicle parts manufacturing 3363 Aerospace product and parts manufacturing 3364 Railroad rolling stock manufacturing 3365 Ship and boat building Furniture and related product manufacturing 337 Miscellaneous manufacturing 339 Non-durable goods industries Durable goods industries Durable goods industries Manufacturing Food manufacturing Food manufacturing 312 Textile mills 313 Textile product mills Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 317 Paper manufacturing 321 Paper manufacturing 322	56 57 18 -313 -182 -19 -76 -106 -33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	1,962 1,559 750 9,033 4,829 208 2,665 809 227 88 988 445 8,343 13,866 12,209	1,906 1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		1,912 1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	1,835 1,485 730 8,399 4,397 2,459 889 183 73 974 451 18,029 22,630 40,659
Electrical equipment, appliance and component manufacturing Transportation equipment manufacturing 336 Motor vehicle manufacturing 3361 Motor vehicle body and trailer manufacturing 3362 Motor vehicle parts manufacturing 3363 Aerospace product and parts manufacturing 3364 Railroad rolling stock manufacturing 3366 Furniture and related product manufacturing 337 Miscellaneous manufacturing 338 Non-durable goods industries Durable goods industries Durable goods industries Durable goods industries Durable goods industries Durable goods industries Durable goods industries Leather and allied product manufacturing 312 Eextile product mills Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322	18 -313 -182 -19 -76 -106 -33 -5 -9 -17 -224 -223 Change fr	2 4 om previous r	1,559 750 9,033 4,829 208 2,665 809 227 88 988 445 8,343 23,866 12,209	1,502 732 9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		1,735 757 9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	1,485 730 8,399 4,397 2,459 889 183 73 974 451 18,029 22,630 40,659
Transportation equipment manufacturing 336 Motor vehicle manufacturing 3361 Motor vehicle body and trailer manufacturing 3362 Motor vehicle parts manufacturing 3363 Aerospace product and parts manufacturing 3364 Railroad rolling stock manufacturing 3365 Ship and boat building 3366 Furniture and related product manufacturing 337 Miscellaneous manufacturing 339 Non-durable goods industries Durable goods industries Durable goods industries Textile mills 313 Textile product mills 314 Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322	-313 -182 -19 -76 -106 -33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	9,033 4,829 208 2,665 809 227 88 988 445 445 8,343 13,866 12,209	9,346 5,011 227 2,741 915 193 83 978 462 18,343 24,090 42,433		9,370 5,146 211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	8,399 4,397 21,7 2,459 889 183 73 974 451 18,029 22,630 40,659
Motor vehicle body and trailer manufacturing Motor vehicle parts manufacturing Motor vehicle parts manufacturing Aerospace product and parts manufacturing Saida Railroad rolling stock manufacturing Signary Signary Miscellaneous manufacturing Mordurable goods industries Durable goods industries Durable goods industries Manufacturing Severage and tobacco product manufacturing Signary Textile mills Textile product mills Clothing manufacturing Signary Si	-19 -76 -106 -33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	208 2,665 809 227 88 988 9445 445 8,343 23,866 12,209	227 2,741 915 193 83 978 462 18,343 24,090 42,433		211 2,664 866 196 89 1,030 443 18,491 24,460 42,951	217 2,459 889 183 73 974 451 18,029 22,630 40,659
Motor vehicle parts manufacturing 3363 Aerospace product and parts manufacturing 3364 Rerospace product and parts manufacturing 3365 Ship and boat building 3366 Furniture and related product manufacturing 337 Miscellaneous manufacturing 339 Non-durable goods industries Durable goods industries Manufacturing 311 Beverage and tobacco product manufacturing 312 Textile mills 313 Textile product mills 314 Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322	-76 -106 33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	2,665 809 227 88 988 445 88,343 23,866 12,209	2,741 915 193 83 978 462 18,343 24,090 42,433		2,664 866 196 89 1,030 443 18,491 24,460 42,951	2,459 889 183 73 974 451 18,029 22,630 40,659
Railroad rolling stock manufacturing 3365 Ship and boat building 3366 Furniture and related product manufacturing 337 Miscellaneous manufacturing 339 Non-durable goods industries Durable goods industries Manufacturing 311 Beverage and tobacco product manufacturing 312 Textile mills 313 Textile product mills 314 Clothing manufacturing 315 Leather and allied product manufacturing 321 Paper manufacturing 321 Paper manufacturing 321 Paper manufacturing 322	33 5 9 -17 1 -224 -223 Change fr	2 4 om previous r	227 88 988 445 8,343 13,866 12,209	193 83 978 462 18,343 24,090 42,433		196 89 1,030 443 18,491 24,460 42,951	183 73 974 451 18,029 22,630 40,659
Ship and boat building 3366 Furniture and related product manufacturing 337 Miscellaneous manufacturing 339 Non-durable goods industries Durable goods industries Manufacturing 311 Everage and tobacco product manufacturing 312 Textile mills 313 Textile product mills 314 Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322	5 9 -17 1 -224 -223 Change fr	2 4 om previous r	88 988 445 18,343 13,866 12,209	83 978 462 18,343 24,090 42,433		1,030 443 18,491 24,460 42,951	73 974 451 18,029 22,630 40,659
Miscellaneous manufacturing 339 Non-durable goods industries Durable goods industries Manufacturing Food manufacturing Beverage and tobacco product manufacturing Textile mills Textile product mills Clothing manufacturing Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322	-17 1	2 4 om previous r	445 18,343 23,866 12,209	462 18,343 24,090 42,433		443 18,491 24,460 42,951	451 18,029 22,630 40,659
Durable goods industries Manufacturing Food manufacturing Severage and tobacco product manufacturing Textile mills Textile product mills Clothing manufacturing Jata Leather and allied product manufacturing Wood product manufacturing Jata Wood product manufacturing Jata Paper manufacturing Jata Jata	-224 -223 Change fr	2 4 om previous r	23,866 12,209	24,090 42,433		24,460 42,951	22,630 40,659
Beverage and tobacco product manufacturing 312 Textile mills 313 Textile product mills 314 Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322	November	· ·	month	Trend	d change from		
Beverage and tobacco product manufacturing 312 Textile mills 313 Textile product mills 314 Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322		Ostobor			ago	m previous moi	ith
Beverage and tobacco product manufacturing 312 Textile mills 313 Textile product mills 314 Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322		October 2003	September 2003	November 2003	October 2003		August 2003
Beverage and tobacco product manufacturing 312 Textile mills 313 Textile product mills 314 Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322				percentage			
Textile mills 313 Textile product mills 314 Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322	-1.6	2.9	2.7 -1.2	0.4			0.3
Clothing manufacturing 315 Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322	1.3 1.2	2.2 -2.1	2.1	0.3 0.0			0.4 -0.6
Leather and allied product manufacturing 316 Wood product manufacturing 321 Paper manufacturing 322	-1.6 0.9	1.4 -1.2	0.8 4.3	-0.8 0.4			-1.0 -0.4
Paper manufacturing 322	-3.3	-5.3	6.8	-0.6	-0.4	-0.2	0.0
	0.1 -0.9	-0.9 -3.8	4.1 -0.5	1.0 -1.2			1.8 -1.3
Data di Santa di Caratta di Carat	2.6	-1.0	3.3	0.2	0.2	0.1	0.0
Petroleum and coal products manufacturing 324 Chemical manufacturing 325	2.2 -0.3	-3.3 -3.4	-3.7 8.7	-0.7 -0.3			-1.3 -0.7
Plastics and rubber products manufacturing 326	1.2	-0.4 -1.2	8.6	0.4			0.4 -0.1
Primary metal manufacturing 331	-0.4 0.1	-0.1	3.8 7.8	0.1 0.6			0.2
Fabricated metal product manufacturing 332 Machinery manufacturing 333	-1.7 3.0	-0.2 -0.3	4.3 4.2	0.1 0.5			0.3 0.3
Computer and electronic product manufacturing 334	3.8	-13.4	16.9	1.0	1.1	1.0	0.7
Electrical equipment, appliance and component manufacturing 335 Transportation equipment manufacturing 336	2.5 -3.3	-3.3 -0.3	3.7 11.6	0.1 -0.7			0.0 8.0-
Motor vehicle manufacturing 3361	-3.6	-2.6	17.0	-1.4	-1.5	-1.5	-1.4
Motor vehicle body and trailer manufacturing 3362 Motor vehicle parts manufacturing 3363	-8.3 -2.8	7.6 2.9	-2.7 8.3	-0.8 0.7	0.8	0.7	-0.8 0.4
Aerospace product and parts manufacturing 3364 Railroad rolling stock manufacturing 3365	-11.6 17.2	5.7 -1.6	-2.6 7.5	-1.9 1.0	-2.5	-2.8	-2.6 -3.6
Ship and boat building 3366	6.1	-7.5	23.0	0.9	0.9	0.6	0.3
Furniture and related product manufacturing 337 Miscellaneous manufacturing 339	0.9 -3.6	-5.0 4.3	5.8 -1.8	-0.2 -0.2	-0.5 -0.1	-0.7 -0.1	-0.8 -0.1
Non-durable goods industries Durable goods industries	0.0 -0.9	-0.8	2.6	-0.1	-0.2	-0.3	-0.4

Table 5 Inventories by major group and selected industries

				Unadjuste	d		
				Curr	ent periods		
	NAICS Code	November 2003		October 2003	September 2003		August 2003
				\$ millions	;		
Food manufacturing Beverage and tobacco product manufacturing Textile mills Textile product mills Clothing manufacturing Leather and allied product manufacturing Wood product manufacturing Paper manufacturing Paper manufacturing Printing and related support activities Petroleum and coal products manufacturing Chemical manufacturing Plastics and rubber products manufacturing Non-metallic mineral product manufacturing Primary metal manufacturing Fabricated metal product manufacturing Machinery manufacturing Computer and electronic product manufacturing Electrical equipment, appliance and component manufacturing Transportation equipment manufacturing Motor vehicle manufacturing Motor vehicle body and trailer manufacturing Motor vehicle parts manufacturing	311 312 313 314 315 316 321 322 323 324 325 326 327 331 332 333 334 335 336 3361 3362 3363	5,026 1,731 411 298 1,132 108 3,840 3,514 704 1,499 5,837 2,075 1,174 4,527 3,288 4,372 4,050 1,301 12,622 1,223 461 1,921		5,052 1,718 428 300 1,184 115 3,841 3,493 702 1,509 5,632 2,095 1,157 4,464 3,314 4,357 4,054 1,312 12,385 1,214 437 1,866	4,991 1,692 436 304 1,252 124 3,943 3,475 702 1,535 5,530 2,070 1,154 4,512 3,409 4,314 3,995 1,292 12,819 1,297 437 1,867		4,861 1,713 445 299 1,245 141 3,963 3,515 7,76 1,719 5,877 2,108 1,167 4,653 3,539 4,357 4,082 1,323 12,800 1,210 428 1,837
Aerospace product and parts manufacturing Railroad rolling stock manufacturing Ship and boat building Furniture and related product manufacturing Miscellaneous manufacturing	3364 3365 3366 337 339	7,687 979 137 1,413 989		7,484 1,034 132 1,419 986	7,829 1,076 122 1,451 997		7,938 1,100 108 1,455 976
Non-durable goods industries Durable goods industries Manufacturing		21,202 38,708 59,911		21,044 38,474 59,518	20,859 39,138 59,997		21,393 39,560 60,953
		Previo	us year	Year-to-da	ate	Average per	month
		November 2002	October 2002	% Change from 2002	Average 2003	% Change from 2001	2002
				\$ millions			
Food manufacturing Beverage and tobacco product manufacturing Textile mills Textile product mills Clothing manufacturing Leather and allied product manufacturing Wood product manufacturing Paper manufacturing Paper manufacturing Printing and related support activities Petroleum and coal products manufacturing Chemical manufacturing Plastics and rubber products manufacturing Non-metallic mineral product manufacturing Primary metal manufacturing Fabricated metal product manufacturing Machinery manufacturing Computer and electronic product manufacturing Electrical equipment, appliance and component manufacturing Transportation equipment manufacturing Motor vehicle manufacturing Motor vehicle body and trailer manufacturing Motor vehicle parts manufacturing Aerospace product and parts manufacturing Ship and boat building Furniture and related product manufacturing Miscellaneous manufacturing	311 312 313 314 315 316 321 322 323 324 325 326 327 331 332 333 334 335 336 3363 3363 3363 3363 336	5,109 1,759 457 325 1,115 123 4,227 3,504 704 1,431 5,490 2,100 1,152 4,997 3,497 4,619 4,511 1,364 14,056 1,788 431 1,873 8,121 1,461 1,362 1,492 1,095	5,033 1,752 462 323 1,138 132 4,158 3,491 719 1,565 5,377 2,041 1,140 4,922 3,501 4,710 4,412 1,375 13,487 1,677 413 1,768 7,853 1,414 134 1,461 1,099	1.1 1.7 -8.6 -4.6 -4.6 -0.1 -0.2 -1.0 1.0 11.1 5.8 -0.2 2.7 1.3 -3.5 -10.6 -3.4 -2.5 -18.8 11.3 9.6 0.1 -13.4 -4.9 4.2 -3.2	4,884 1,751 448 311 1,214 130 4,455 3,562 699 1,638 5,836 2,148 1,205 4,747 3,545 4,457 4,183 1,342 13,068 1,400 462 1,918 7,813 1,152 124 1,485 1,025	3.4 5.0 -9.3 -13.1 -12.5 -8.9 -6.3 -7.0 -5.7 -10.6 4.0 0.8 2.0 0.4 2.1 1.2 -22.5 -16.3 -1.3 2.9 -6.3 3.9 0.3 -14.0 -35.7 1.1	4,832 1,717 486 324 1,174 1,174 1,449 3,548 702 1,614 5,277 2,039 1,206 4,657 3,492 4,609 4,654 1,384 13,441 1,730 417 1,762 7,817 1,338 1,455 1,427 1,059
Non-durable goods industries Durable goods industries Manufacturing		21,003 42,125 63,129	20,894 41,401 62,295	3.5 -2.0 -0.1	21,407 40,725 62,132	-0.7 -4.7 -3.4	20,676 41,553 62,229

Table 5 Inventories by major group and selected industries - concluded

ood manufacturing everage and tobacco product manufacturing extile mills extile product mills	NAICS Code 311 312 313 314	Change from October	Nov	vember 2003	October		ntombor.	
everage and tobacco product manufacturing extile mills extile product mills	311 312 313	from October	Nov			Sei	tombor	
everage and tobacco product manufacturing extile mills extile product mills	312 313				2003		otember 2003	August 2003
everage and tobacco product manufacturing extile mills extile product mills	312 313				\$ milli	ons		
extile mills extile product mills	313			4,847	4,881		4,868	4,841
extile product mills		-12 -18		1,723 412	1,734 430		1,754 442	1,756 449
		0		301	301		306	303
lothing manufacturing eather and allied product manufacturing	315 316	-2 -3		1,227 120	1,229 122		1,230 122	1,21 12
lood product manufacturing	321	-27		4,103	4,130		4,231	4,28
aper manufacturing rinting and related support activities	322 323	-11 10		3,545 690	3,556 680		3,558 694	3,55° 69°
etroleum and coal products manufacturing	324	37		1.588	1,551		1,552	1,66
hemical manufacturing lastics and rubber products manufacturing	325 326	123 -46		5,897 2,093	5,775 2,139		5,644 2.121	5,89 2.13
on-metallic mineral product manufacturing	327	14		1,229	1,215		1,195	1,17
rimary metal manufacturing abricated metal product manufacturing	331 332	53 -23		4,435 3,319	4,382 3,342		4,455 3,440	4,61 3,53
lachinery manufacturing	333	30		4,328	4,298		4,316	4,31
omputer and electronic product manufacturing	334	-59		3,964	4,023		4,092	4,05
lectrical equipment, appliance and component manufacturin ransportation equipment manufacturing	335 336	-8 -17		1,309 12,367	1,317 12,384		1,310 12,653	1,32 12,75
lotor vehicle manufacturing	3361	-21		1,200	1,221		1,278	1,20
lotor vehicle body and trailer manufacturing lotor vehicle parts manufacturing	3362 3363	21 4		473 1,897	452 1,893		452 1,891	44 1,85
erospace product and parts manufacturing	3364	48		7,478	7,429		7,649	7,86
ailroad rolling stock manufacturing hip and boat building	3365 3366	-55 0		979 128	1,034 128		1,076 125	1,10 11
urniture and related product manufacturing	337	-6		1,429	1,434		1,445	1,44
liscellaneous manufacturing	339	4		1,002	998		991	970
on-durable goods industries urable goods industries anufacturing		45 -41 4	;	21,216 38,713 59,928	21,171 38,754 59,924		21,063 39,357 60,420	21,415 39,699 61,113
		Change fro	om previous month		Trend change from previous n			nth
		November 2003	October 2003	September 2003	November 2003	October 2003	September 2003	August 2003
					percentage			
ood manufacturing	311	-0.7	0.3	0.6	-0.1	-0.1	-0.1	-0.1
everage and tobacco product manufacturing extile mills	312 313	-0.7 -4.2	-1.1 -2.8	-0.1 -1.5	-0.3 -1.3	-0.2 -1.3	-0.1 -1.3	0.0 -1.0
extile product mills	314	-0.1	-1.3	1.0	-0.6	-0.8	-0.9	-0.9
lothing manufacturing eather and allied product manufacturing	315 316	-0.2 -2.3	-0.1 0.3	1.1 -4.0	0.0 -1.3	0.1 -1.5	0.2 -1.4	0. -1.
ood product manufacturing	321	-2.3 -0.7	-2.4	-1.3	-1.7	-2.0	-1.4 -2.1	-1. -2.
aper manufacturing	322	-0.3	-0.1	0.2	-0.2	-0.1	-0.1	0.
rinting and related support activities etroleum and coal products manufacturing	323 324	1.5 2.4	-2.1 -0.1	-0.4 -6.6	-0.4 -0.8	-0.4 -1.0	-0.4 -1.0	-0. -0.
hemical manufacturing	325	2.1	2.3	-4.3	0.1	0.0	-0.1	-0.
lastics and rubber products manufacturing on-metallic mineral product manufacturing	326 327	-2.2 1.1	0.9 1.7	-0.5 1.4	0.0 0.5	-0.1 0.5	-0.2 0.4	-0. 0
rimary metal manufacturing	331	1.2	-1.6	-3.4	-0.8	-1.3	-1.7	0. -1.
abricated metal product manufacturing lachinery manufacturing	332 333	-0.7 0.7	-2.9 -0.4	-2.7 0.1	-1.2 -0.1	-1.4 -0.3	-1.4 -0.5	-1. -0.
omputer and electronic product manufacturing	334	-1.5	-1.7	0.9	-0.9	-1.0	-1.0	-1.
lectrical equipment, appliance and component manufacturin ransportation equipment manufacturing	335 336	-0.6 -0.1	0.6 -2.1	-1.0 -0.8	-0.2 -1.0	-0.3 -1.1	-0.5 -1.2	-0. -1.
lotor vehicle manufacturing	3361	-1.7	-4.5	6.2	-0.3	-1.2	-2.2	-3.
lotor vehicle body and trailer manufacturing	3362	4.7	0.0	0.6	-0.2	-0.3	-0.5	-0.
lotor vehicle parts manufacturing erospace product and parts manufacturing	3363 3364	0.2 0.7	0.1 -2.9	1.9 -2.7	-0.2 -1.1	-0.3 -1.2	-0.4 -1.2	-0.4 -1.1
ailroad rolling stock manufacturing	3365	-5.3	-3.9	-2.2	-3.0	-2.9	-2.7	-2.
hip and boat building urniture and related product manufacturing	3366 337	-0.4 -0.4	2.6 -0.8	7.6 0.0	0.7 -0.6	0.7 -0.8	0.7 -0.9	0.6 -1.0
liscellaneous manufacturing	339	0.4	0.7	1.5	0.2	0.0	-0.3	-0.6
on-durable goods industries urable goods industries		0.2 -0.1	0.5 -1.5	-1.6 -0.9	-0.2 -0.8	-0.2 -1.0	-0.2 -1.1	-0.2 -1.2 -0.9

Table 6
Unfilled orders by selected major group and industries

				Unadjuste	ed		
				Current per	iods		
	NAICS Code	November 2003		October 2003	September 2003		August 2003
				\$ million	S		
Textile mills	313	197		201	208		224
Textile product mills	314	62		64	56		48
Clothing manufacturing	315	283		283	309		326
Leather and allied product manufacturing	316	28		26	26		32
Plastics and rubber products manufacturing	326	1,566		1,439	1,398		1,201
Primary metal manufacturing	331	1,691		1,689	1,670		1,649
Fabricated metal product manufacturing	332	2,822		2,937	2,933		2,799
Machinery manufacturing	333	5,666		5,596	5,676		5,943
Computer and electronic product manufacturing	334	3,585		3,737	3,992		3,625
Electrical equipment, appliance and component manufacturing	335	961		933	929		960
Transportation equipment manufacturing	336 3361	17,626 807		17,933 822	18,615 784		18,736 807
Motor vehicle manufacturing Motor vehicle body and trailer manufacturing	3362	558		567	565		561
Motor vehicle body and transfer manufacturing Motor vehicle parts manufacturing	3363	946		904	883		850
Aerospace product and parts manufacturing	3364	10,657		11,053	11,716		11,547
Ship and boat building	3366	45		43	47		44
Miscellaneous manufacturing	339	183		195	204		207
Non-durable goods industries		3,150 34,237		3,086 34,762	3,152 35,718		2,985 35,695
Durable goods industries Manufacturing		34,23 <i>1</i> 37,387		34,762 37,847	38,870		38,680
		Previou	s year	Year-to-d	ate	Average per	month
		November 2002	October 2002	% Change from 2002	Average 2003	% Change from 2001	2002
				\$ million:			
Textile mills	313	270	271	-18.8	225	9.3	276
Textile product mills	314	60	61	17.3	64	2.7	55
Clothing manufacturing	315	282	272	-3.3	317	-7.0	324
Leather and allied product manufacturing	316	23	23	-4.3	31	-18.2	31
Plastics and rubber products manufacturing	326	1,407	1,504	2.4	1,275	15.6	1,254
Primary metal manufacturing	331	1,827	1,734	-6.1	1,684	25.1	1,795
Fabricated metal product manufacturing	332	2,906	2,818	-2.4	2,817	0.3	2,878
Machinery manufacturing	333	6,368	6,420	-7.3	6,237	4.3	6,709
Computer and electronic product manufacturing	334	4,189	4,236	-3.1	3,843	-8.4	3,977
Electrical equipment, appliance and component manufacturing	335	1,003	1,004	0.4	979	-30.5	977
Transportation equipment manufacturing	336	24,849	25,341	-24.1	19,551	-8.7	25,566
Motor vehicle manufacturing	3361	1,022	1,134	-22.4	821	4.2	1,052
Motor vehicle body and trailer manufacturing	3362	569	569	1.5	600	8.4	590
Motor vehicle parts manufacturing	3363	911	834	20.8	865	24.2	729
Aerospace product and parts manufacturing	3364	16,721	16,928	-31.7	12,334	-12.0	17,877
Ship and boat building Miscellaneous manufacturing	3366 339	22 248	20 283	143.3 -18.7	44 184	-37.0 -12.1	18 226
Non-durable goods industries		3,043	3,226	5.0	3,001	15.3	2,867
Durable goods industries Manufacturing		43,159 46,202	43,547 46,773	-15.7 -14.5	37,030 40,031	-5.4 -4.3	43,740 46,606

Table 6 Unfilled orders by selected major group and industries - concluded

				Sea	sonally adjusted	i		
		01			Current p	eriods		
	NAICS Code	Change from October	Nov	rember 2003	October 2003	Sep	otember 2003	August 2003
					\$ milli	ons		
Textile mills	313	-3		206	209		212	224
Textile product mills	314	0		62	62		55	46
Clothing manufacturing	315	-4		309	313		326	330
Leather and allied product manufacturing	316	2		34	32		30	32
Plastics and rubber products manufacturing	326	170		1,409	1,239		1,414	1,265
Primary metal manufacturing	331	18		1,784	1,765		1,706	1,641
Fabricated metal product manufacturing	332	-115		2,822	2,937		2,933	2,799
Machinery manufacturing	333	70 -153		5,666 3,585	5,596 3,737		5,676 3,992	5,943
Computer and electronic product manufacturing	334	-153 28		961	933		929	3,625 960
Electrical equipment, appliance and component manufacturing	335	-299		17,491	17,790		18,172	18,363
Transportation equipment manufacturing	336	-15		807	822		784	807
Motor vehicle manufacturing Motor vehicle body and trailer manufacturing	3361 3362	-19		583	601		609	592
Motor vehicle parts manufacturing	3363	16		908	892		861	852
Aerospace product and parts manufacturing	3364	-351		10,535	10,886		11,256	11,143
Ship and boat building	3366	3		47	44		43	44
Miscellaneous manufacturing	339	-6		173	179		192	209
Non-durable goods industries		112	,	3,009	2,897		3,175	3,047
Durable goods industries Manufacturing		-430 -318		34,231 37,240	34,661 37,558		35,327 38,502	35,270 38,318
		Change fro	m previous	month	Trend	d change fro	m previous moi	nth
		November	October	September	November	October	September	August
		2003	2003	2003	2003	2003	2003	2003
					percentage			
Textile mills	313	-1.5	-1.5	-5.3	0.2	-0.2	-0.7	-1.2
Textile product mills	314	-0.2	12.4	20.5	-0.5	-0.9	-1.4	-2.1
Clothing manufacturing	315	-1.2	-4.0	-1.1	-0.5	-0.4	-0.4	-0.2
Leather and allied product manufacturing	316	5.0	9.4	-6.0	4.3	5.1	4.5	3.3
Plastics and rubber products manufacturing	326	13.7	-12.4	11.8	2.7	2.7	2.2	1.2
Primary metal manufacturing	331 332	1.0 -3.9	3.4 0.1	4.0 4.8	1.7 0.1	1.8 0.0	1.8 0.2	1.4 0.3
Fabricated metal product manufacturing Machinery manufacturing	333	-3.9 1.2	-1.4	4.0 -4.5	-1.1	-1.4	-1.6	-1.8
Computer and electronic product manufacturing	334	-4.1	-6.4	10.1	1.0	0.9	0.4	-0.4
Electrical equipment, appliance and component manufacturing	335	2.9	0.4	-3.2	0.2	-0.3	-0.8	-1.2
Transportation equipment manufacturing	336	-1.7	-2.1	-1.0	-1.2	-0.5	-1.8	-2.0
Motor vehicle manufacturing	3361	-1.8	4.8	-2.8	-0.3	0.2	0.6	0.6
Motor vehicle body and trailer manufacturing	3362	-3.1	-1.3	3.0	-0.4	-0.2	0.0	0.1
Motor vehicle parts manufacturing	3363	1.8	3.6	1.1	1.2	1.3	1.1	0.7
Aerospace product and parts manufacturing	3364	-3.2	-3.3	1.0	-1.8	-2.3	-2.6	-3.0
Ship and boat building	3366	7.4	1.7	-2.7	0.1	0.1	-0.1	-0.1
Miscellaneous manufacturing	339	-3.6	-6.9	-8.1	-1.7	-1.3	-0.6	0.0
Non-durable goods industries Durable goods industries		3.9 -1.2	-8.7 -1.9	4.2 0.2	0.4 -0.6	0.5 -0.8	0.4 -1.1	0.3 -1.3
		-1/	-1.9	U.2	-u.o	-U. ŏ	-1.1	-1.3

Table 7
New orders by selected major group and industries

				Unadjuste	ed		
				Current peri	ods		
	NAICS Code	November 2003		October 2003	September 2003		August 2003
				\$ million:	S		
Textile mills	313	233		242	242		254
Textile product mills	314	176		210	196		170
Clothing manufacturing	315	547		571	561		558
Leather and allied product manufacturing	316	61		76	86		76
Plastics and rubber products manufacturing	326	2,067		2,188	2,248		2,042
Primary metal manufacturing	331	2,665		2,935	2,876		2,524
Fabricated metal product manufacturing	332	2,263		2,629	2,779		2,391
Machinery manufacturing	333	2,000		1,928	1,760		1,500
Computer and electronic product manufacturing	334	1,425		1,219	2,232		1,413
Electrical equipment, appliance and component manufacturing	335	793		771	789		707
Transportation equipment manufacturing	336	8,845		9,447	9,603		7,798
Motor vehicle manufacturing	3361	4,936		5,501	5,339		4,395
Motor vehicle body and trailer manufacturing	3362	191		236	215		179
Motor vehicle parts manufacturing	3363	2,690		3,024	2,830		2,549
Aerospace product and parts manufacturing Ship and boat building	3364 3366	434 74		323 66	1,023 70		445 59
Miscellaneous manufacturing	339	463		514	487		496
Miscenaneous manufacturing	333	403		314	407		430
Non-durable goods industries		18,265		19,232	19,200		18,613
Durable goods industries Manufacturing		23,382 41,646		25,037 44,269	25,954 45,154		22,012 40,625
		Previou	s vear	Year-to-d	ate	Annua	
		November	October	% Change		% Change	·-
		2002	2002	from 2002	2003	from 2001	2002
				\$ millions	5		
Textile mills	313	255	272	-13.7	2,621	-0.8	3,253
Textile product mills	314	208	232	-10.5	2,103	2.0	2,527
Clothing manufacturing	315	640	672	-8.9	5,768	-2.2	6,769
Leather and allied product manufacturing	316	71	81	-11.9	631	-10.6	770
Plastics and rubber products manufacturing	326	1,824	2,363	1.6	21,886	6.2	23,082
Primary metal manufacturing	331	2,820	2,882	0.2	30,187	10.9	32,658
Fabricated metal product manufacturing	332	2,448	2,522	0.5	25,923	2.6	27,584
Machinery manufacturing	333	1,908	1,961	-6.2	20,118	-3.3	23,507
Computer and electronic product manufacturing	334 335	1,616 795	1,949 805	-19.3 -4.2	16,103	-8.9	21,693 9,275
Electrical equipment, appliance and component manufacturing	336	10,088	10,159	-4.2 -9.8	8,224 99,632	1.6 3.6	
Transportation equipment manufacturing Motor vehicle manufacturing	3361	5,750	5,973	-6.3	57,977	5.0 6.4	117,133 65,879
Motor vehicle manufacturing Motor vehicle body and trailer manufacturing	3362	225	225	-2.9	2,458	8.7	2,741
Motor vehicle body and transforming Motor vehicle parts manufacturing	3363	2,909	2,990	-2.9 -5.1	29,357	11.0	33,006
Aerospace product and parts manufacturing	3364	903	486	-41.4	5,049	-39.5	9,017
Ship and boat building	3366	64	69	-22.1	924	24.0	1,248
Miscellaneous manufacturing	339	464	516	-1.5	5,029	8.5	5,508
Non-durable goods industries		18,513	20,149	2.5	205,571	1.0	218,796
Durable goods industries		25,221	26,491	-6.4	260,036	3.2	297,812
Manufacturing		43,734	46,640	-2.7	465,606	2.3	516,608

Table 7 New orders by selected major group and industries - concluded

				Sea	sonally adjusted	i		
					Current p	eriods		
	NAICS Code	Change from October	Nov	ember 2003	October 2003	Sep	otember 2003	August 2003
					\$ milli	ons		
Textile mills	313	3		232	229		226	242
Textile product mills	314	-10		180	190		190	164
Clothing manufacturing	315	14		502	488		504	506
Leather and allied product manufacturing	316	-3		55	58		57	59
Plastics and rubber products manufacturing	326	369		2,161	1,793		2,124	1,949
Primary metal manufacturing	331	-37		2,787	2,823		2,833	2,577
Fabricated metal product manufacturing	332	-159		2,220	2,380		2,516	2,340
Machinery manufacturing	333	206		2,032 1,406	1,826		1,645	1,673 1,475
Computer and electronic product manufacturing	334	159 42		778	1,247 736		2,102 726	740
Electrical equipment, appliance and component manufacturing	335	-229		8,734	8,963		9,179	7,746
Transportation equipment manufacturing	336	-235		4,814	5,049		5,173	4,422
Motor vehicle manufacturing Motor vehicle body and trailer manufacturing	3361 3362	-29		189	219		228	223
Motor vehicle parts manufacturing	3363	-91		2,681	2,772		2,673	2,504
Aerospace product and parts manufacturing	3364	-86		458	545		980	330
Ship and boat building	3366	8		91	83		88	68
Miscellaneous manufacturing	339	-10		439	449		426	471
Non-durable goods industries		390 13		8,455 23,436	18,065 23,423		18,619	18,107 21,898
Durable goods industries Manufacturing		403		11,891	41,489		24,517 43,136	40,005
		Change fro	m previous i	month	Tren	d change fro	m previous moi	nth
		November 2003	October 2003	September 2003	November 2003	October 2003	September 2003	August 2003
			2003	2003	percentage	2003	2003	2000
Textile mills	313	1.3	1.6	-6.6	0.4	0.4	0.2	0.1
Textile product mills	314	-5.2	0.0	15.6	-0.7	-0.8	-0.8	-0.7
Clothing manufacturing	315	2.8	-3.1	-0.4	0.3	0.2	-0.0	-0.7
Leather and allied product manufacturing	316	-5.1	2.8	-3.7	-0.9	0.0	0.6	1.0
Plastics and rubber products manufacturing	326	20.6	-15.6	9.0	0.4	0.9	1.1	1.0
Primary metal manufacturing	331	-1.3	-0.3	9.9	0.5	0.7	0.8	0.7
Fabricated metal product manufacturing	332	-6.7	-5.4	7.5	0.1	0.0	0.1	0.4
Machinery manufacturing	333	11.3	11.0	-1.7	1.7	1.1	1.1	1.5
Computer and electronic product manufacturing	334	12.8	-40.7	42.5	1.3	2.3	3.0	3.1
Electrical equipment, appliance and component manufacturing	335	5.7	1.4	-1.8	0.7	0.8	0.6	0.2
Transportation equipment manufacturing	336	-2.6	-2.4	18.5	-0.1	-0.2	-0.3	-0.2
Motor vehicle manufacturing	3361	-4.6	-1.4	15.8	-1.5	-1.5	-1.5	-1.3
Motor vehicle body and trailer manufacturing	3362	-13.5	-4.1	2.2	-1.3	-1.5	-1.2	-0.7
Motor vehicle parts manufacturing	3363	-3.3	3.7	6.7	0.7	0.9	0.9	0.7
Aerospace product and parts manufacturing	3364	-15.9	-44.4	197.0	5.8	4.5	3.7	4.8
Ship and boat building Miscellaneous manufacturing	3366 339	9.1 -2.2	-5.4 5.4	29.0 -9.7	0.9 -0.3	1.0 -0.4	0.6 -0.4	-0.2 -0.3
Non-durable goods industries		2.2	-3.0	2.8	-0.1	-0.2	-0.2	-0.3
Durable goods industries Manufacturing		0.1 1.0	-4.5 -3.8	12.0 7.8	0.4 0.2	0.4 0.1	0.4 0.1	0.5 0.1

Table 8a Shipments for selected industries, unadjusted

			Current p	eriods	
	NAICS Code	November 2003	October 2003	September 2003	August 2003
			\$ milli	ons	
Food manufacturing	311				
Animal food manufacturing	3111	442	481	444	411
Starch and vegetable fat and oil manufacturing	31122	282	300	277	254
Sugar and confectionery product manufacturing	3113	355	420	393	367
Fruit and vegetable preserving and specialty food	0114	407	504	500	400
manufacturing Dairy product manufacturing	3114 3115	487 946	521 984	500 948	460 965
Meat product manufacturing Meat product manufacturing	3116	1,465	1,493	1,345	1,348
Cookie, cracker and pasta manufacturing	31182	114	128	117	111
Other food manufacturing	3119	523	569	552	500
· ·					
Beverage and tobacco product manufacturing	312	287	298	313	260
Soft drink and ice manufacturing Breweries	31211 31212	325	290 359	343	368 397
Wineries	31213	57	53	55	51
Distilleries	31214	96	104	92	86
Tobacco manufacturing	3122	341	320	338	345
· ·					
Textile mills	313	00	0.1	0.0	0.1
Fibre, yarn and thread mills Fabric mills	3131 3132	30 157	31 164	33 174	31 159
Textile and fabric finishing and fabric coating	3133	51	53	51	49
·		31	00	01	43
Textile product mills	314				
Carpet and rug mills	31411	64	71	66	63
Textile bag and canvas mills	31491	20	24	25	26
Clothing manufacturing	315				
Hosiery and sock mills	31511	48	47	42	43
Other clothing knitting mills	31519	61	62	56	52
Men's and boys' cut and sew clothing manufacturing	31522	206	210	197	185
Women's and girls' cut and sew clothing manufacturing	31523	161	191	202	206
Clothing accessories and other clothing manufacturing	3159	19	25	22	19
Leather and allied product manufacturing	316				
Footwear manufacturing	3162	43	58	73	63
Wood product manufacturing	321				
Sawmills and wood preservation	3211	1,166	1,319	1,356	1,291
Veneer, plywood and engineered wood product manufacturing	3212	725	800	739	670
Other wood product manufacturing	3219	503	534	531	525
Paper manufacturing	322				
Pulp, paper and paperboard mills	3221	1,730	1,797	1,831	1,850
Paperboard container manufacturing	32221	418	444	462	439
Paper bag and coated and treated paper manufacturing	32222	152	181	174	159
Other converted paper product manufacturing	32229	129	139	141	133
Printing and related support activities	323				
Printing and related support activities	32311	856	866	851	759
Support activities for printing	32312	42	45	42	38
Petroleum and coal products manufacturing	324	0.540	0.500	0.011	0.040
Petroleum refineries	32411	2,546	2,506	2,611	2,846
Chemical manufacturing	325				
Other basic inorganic chemical manufacturing	32518	246	243	235	228
Other basic organic chemical manufacturing	32519	191	176	176	211
Resin, synthetic rubber, and artificial and synthetic fibres	2050	404	F00	504	400
and filaments manufacturing	3252	494	533	524	493
Pesticide and other agricultural chemical manufacturing Pharmaceutical and medicine manufacturing	32532 3254	7 709	11 710	12 737	12 605
Paint and coating manufacturing	32551	146	169	179	169
Adhesive manufacturing	32552	52	62	62	59
Soap and cleaning compound manufacturing	32561	100	103	116	116
Toilet preparation manufacturing	32562	137	166	174	153
· · · · · · · · · · · · · · · · · · ·					
Printing ink manufacturing	32591	38	41	36	36

Table 8a Shipments for selected industries, unadjusted - continued

			Current p	periods	
	NAICS Code	November 2003	October 2003	September 2003	August 2003
			\$ milli	ons	
Plastics and rubber products manufacturing	326				
Plastic pipe, pipe fitting and unsupported profile shape					
manufacturing	32612	140	178	180	179
Polystyrene foam product manufacturing	32614	30	37	34	34
Other plastic product manufacturing Other rubber product manufacturing	32619 32629	820 194	894 231	852 219	773 197
		104	201	210	107
Non-metallic mineral product manufacturing Clay product and refractory manufacturing	327 3271	51	55	57	57
Glass and glass product manufacturing	3271	208	237	229	218
Cement manufacturing	32731	122	165	156	154
Ready-mix concrete manufacturing	32732	219	291	286	264
Other concrete product manufacturing	32739	121	135	123	124
Abrasive product manufacturing	32791	26	29	28	28
All other non-metallic mineral product manufacturing	32799	126	150	141	118
Primary metal manufacturing	331				
Iron and steel mills and ferro-alloy manufacturing	3311	853	948	895	790
Iron and steel pipes and tubes manufacturing from					
purchased steel	33121	247	269	241	227
Foundries	3315	253	278	291	248
Fabricated metal product manufacturing	332				
Cutlery and hand tool manufacturing	3322	46	47	45	38
Plate work and fabricated structural product manufacturing	33231	379	417	435	393
Power boiler and heat exchanger manufacturing	33241	113	114	152	101
Spring and wire product manufacturing	3326	97	108	113	105
Coating, engraving, heat treating and allied activities	3328	213	243	230	203
Other fabricated metal product manufacturing	3329	234	254	260	238
Machinery manufacturing	333				
Agricultural implement manufacturing	33311	154	155	166	129
Ventilation, heating, air-conditioning and commercial					
refrigeration equipment manufacturing	3334	205	229	212	187
All other general-purpose machinery manufacturing	33399	144	189	157	134
Computer and electronic product manufacturing	334				
Computer and peripheral equipment manufacturing	3341	290	238	407	298
Communications equipment manufacturing	3342	442	403	516	368
Audio and video equipment manufacturing	3343	19	18	17	14
Electrical equipment, appliance and component manufacturing	335				
Lighting fixture manufacturing	33512	70	73	77	70
Small electrical appliance manufacturing	33521	26	25	24	20
Major appliance manufacturing	33522	127	131	118	109
Battery manufacturing	33591	15	13	14	12
Communication and energy wire and cable manufacturing	33592	106	110	109	97
All other electrical equipment and component manufacturing	33599	70	65	74	67
Transportation equipment manufacturing	336				
Motor vehicle manufacturing	3361	4,951	5,464	5,362	4,370
Motor vehicle parts manufacturing	3363	2,647	3,003	2,797	2,525
Aerospace product and parts manufacturing	3364	829	987	854	841
Railroad rolling stock manufacturing	3365	247	194	235	156
Ship and boat building	3366	71	71	67	64
Furniture and related product manufacturing	337				
Household and institutional furniture and kitchen cabinet	0074	F07	000	005	500
manufacturing Office furniture (including fixtures) manufacturing	3371	587 247	626	625 274	568 257
Office furniture (including fixtures) manufacturing Miscellaneous manufacturing	3372 339	347	359	374	357
Medical equipment and supplies manufacturing	3391	121	135	127	106
Other miscellaneous manufacturing	3399	354	389	363	354
	5550	001	000	000	334

Table 8a
Shipments for selected industries, unadjusted - continued

		Previou	s year	Year-to-d	late	Annual	
	NAICS Code	November 2002	October 2002	% Change from 2002	2003	% Change from 2001	2002
				\$ millio	ns		
Food manufacturing	311						
Animal food manufacturing	3111	458	487	-3.4	4,773	6.1	5,392
Starch and vegetable fat and oil manufacturing	31122	247	263	12.0	2,881	3.3	2,811
Sugar and confectionery product manufacturing	3113	346	398	8.2	3,776	1.4	3,846
Fruit and vegetable preserving and specialty food manufacturing	3114	503	541	-4.0	5,209	-1.7	5,923
Dairy product manufacturing	3115	844	857	13.1	10,209	1.2	9,887
Meat product manufacturing	3116	1,438	1,451	-5.0	15,327	-6.6	17,674
Cookie, cracker and pasta manufacturing Other food manufacturing	31182 3119	129 515	131 523	-5.4 6.8	1,237 5,574	-7.7 11.9	1,425 5,723
Beverage and tobacco product manufacturing	312				-,-		-,
Soft drink and ice manufacturing	31211	282	296	5.8	3,553	5.2	3,688
Breweries	31212	303	356	0.2	3,738	2.0	4,103
Wineries	31213	59	68	-1.1	524	11.8	585
Distilleries	31214	147	133	-15.1	985	9.1	1,265
Tobacco manufacturing	3122	280	252	6.1	3,523	1.3	3,663
Textile mills	313						
Fibre, yarn and thread mills	3131	38	40	-17.3	360	-5.0	465
Fabric mills	3132	165	176	-7.7	1,771	-3.2	2,067
Textile and fabric finishing and fabric coating	3133	53	62	-12.2	554	-4.1	678
Textile product mills	314						
Carpet and rug mills	31411	78	81	-7.7	763	-3.6	890
Textile bag and canvas mills	31491	30	34	-31.0	279	7.2	429
Clothing manufacturing	315	50	50	4.0	4.40	0.4	
Hosiery and sock mills	31511	58 64	52	-4.9	449 523	0.4	511
Other clothing knitting mills Men's and boys' cut and sew clothing manufacturing	31519 31522	243	71 232	10.4 -10.2	1,966	0.1 -4.9	519 2,360
Women's and girls' cut and sew clothing manufacturing	31523	168	204	-6.8	1,954	-3.7	2,221
Clothing accessories and other clothing manufacturing	3159	23	27	-3.9	218	-4.0	242
Leather and allied product manufacturing Footwear manufacturing	316 3162	49	62	-12.9	420	-5.8	518
Wood product manufacturing	321		02		.20	0.0	0.0
Sawmills and wood preservation	3211	1,285	1,492	-15.1	14,034	4.4	17,697
Veneer, plywood and engineered wood product manufacturing	3211	514	573	16.8	6,744	6.1	6,230
Other wood product manufacturing	3219	514	557	8.0	5,561	18.2	5,571
Paper manufacturing	322						
Pulp, paper and paperboard mills	3221	2,018	2,050	-6.5	20,185	-6.8	23,505
Paperboard container manufacturing	32221	454	486	7.7	4,874	3.4	4,914
Paper bag and coated and treated paper manufacturing	32222	180	187	-7.4	1,899	3.0	2,212
Other converted paper product manufacturing	32229	140	148	-0.2	1,475	0.6	1,610
Printing and related support activities	323						
Printing	32311	856	871	0.4	8,817	-1.4	9,557
Support activities for printing	32312	48	50	-1.4	457	-37.0	504
Petroleum and coal products manufacturing	324	2.610	2 960	14.0	20 140	0.0	20.276
Petroleum refineries	32411	2,619	2,869	14.2	30,149	0.8	29,276
Chemical manufacturing Other basic inorganic chemical manufacturing	325 32518	243	243	5.3	2,633	6.8	2,726
Other basic morganic chemical manufacturing Other basic organic chemical manufacturing	32519	234	224	2.3	2,340	1.8	2,720
Resin, synthetic rubber, and artificial and synthetic fibres and	0_010	201		2.0	_,5 10	1.5	_,0_1
filaments manufacturing	3252	522	554	1.4	5,971	0.6	6,379
Pesticide and other agricultural chemical manufacturing	32532	3	4	33.1	439	-13.4	341
Pharmaceutical and medicine manufacturing	3254	767	728	3.9	7,862	22.0	8,402
Paint and coating manufacturing	32551	135	159	2.9	1,819	-1.4	1,875
Adhesive manufacturing	32552	46	55	6.9	630	12.2	624
Soap and cleaning compound manufacturing	32561	121	138	-9.2	1,275	-7.5	1,516
Toilet preparation manufacturing	32562	133	157	9.2	1,669	3.2	1,663
Printing ink manufacturing All other chemical product manufacturing	32591 32599	38 354	40 389	1.1 2.1	394 3,859	13.3 2.6	419 4,104
An other elicitical product manufacturing	02033	004	303	۷.۱	3,033	2.0	4,104

Table 8a Shipments for selected industries, unadjusted - continued

		Previou	s year	Year-to-c	late	Annual	
	NAICS Code	November 2002	October 2002	% Change from 2002	2003	% Change from 2001	2002
				\$ millio	ns		
Plastics and rubber products manufacturing	326						
Plastic pipe, pipe fitting and unsupported profile shape							
manufacturing	32612	144	172	5.1	1,737	4.2	1,758
Polystyrene foam product manufacturing	32614	28	30	10.6	332	3.8	321
Other plastic product manufacturing	32619	773	842	1.5	8,910	8.6	9,435
Other rubber product manufacturing	32629	200	225	-0.4	2,241	0.0	2,409
Non-metallic mineral product manufacturing	327						
Clay product and refractory manufacturing	3271	52	61	7.8	616	5.0	613
Glass and glass product manufacturing	3272	209	225	3.2	2,319	6.2	2,396
Cement manufacturing	32731	122	158	0.6	1,357	5.7	1,425
Ready-mix concrete manufacturing	32732	216	271	4.3	2,300	9.1	2,337
Other concrete product manufacturing	32739	110	122	5.8	1,109	1.3	1,127
Abrasive product manufacturing	32791	47	43	-11.0	365	36.5	450
All other non-metallic mineral product manufacturing	32799	122	140	10.7	1,334	28.8	1,314
Primary metal manufacturing	331						
Iron and steel mills and ferro-alloy manufacturing	3311	874	935	2.5	9,794	11.3	10,368
Iron and steel pipes and tubes manufacturing from							
purchased steel	33121	232	224	12.2	2,605	1.4	2,529
Foundries	3315	278	296	0.6	2,963	8.7	3,161
Fabricated metal product manufacturing	332						
Cutlery and hand tool manufacturing	3322	46	46	13.9	484	6.3	467
Plate work and fabricated structural product manufacturing	33231	359	411	-0.8	3,951	0.4	4,286
Power boiler and heat exchanger manufacturing	33241	90	98	33.9	1,256	7.6	1,022
Spring and wire product manufacturing	3326	127	139	-11.7	1,220	9.8	1,477
Coating, engraving, heat treating and allied activities	3328	234	258	-0.8	2,426	20.0	2,633
Other fabricated metal product manufacturing	3329	253	280	-3.2	2,728	9.5	3,005
Machinery manufacturing	333						
Agricultural implement manufacturing	33311	152	182	-13.0	1,880	6.1	2,323
Ventilation, heating, air-conditioning and commercial					,		,
refrigeration equipment manufacturing	3334	205	223	-3.0	2,075	9.7	2,298
All other general-purpose machinery manufacturing	33399	180	270	-24.1	1,599	15.4	2,275
Computer and electronic product manufacturing	334						
Computer and peripheral equipment manufacturing	3341	303	316	-22.9	3,316	-16.6	4,699
Communications equipment manufacturing	3342	475	550	-28.2	4,635	-23.7	7,137
Audio and video equipment manufacturing	3343	22	21	-9.4	178	-7.2	218
				0			2.0
Electrical equipment, appliance and component manufacturing	335	70	00	7.0	750	0.7	077
Lighting fixture manufacturing	33512	76	82	-7.2	756	-3.7	877
Small electrical appliance manufacturing	33521 33522	27 128	28 130	0.2	232 1,370	-9.3	250 1,529
Major appliance manufacturing Battery manufacturing	33591	13	12	-3.9 7.0	1,370	12.4 -15.1	1,529
Communication and energy wire and cable manufacturing	33592	105	118	-19.0	1,091	-42.2	1,436
All other electrical equipment and component manufacturing	33599	66	66	3.8	738	-2.3	772
		00	00	0.0	700	2.0	
Transportation equipment manufacturing	336	5.000	0.005		50.457		05.707
Motor vehicle manufacturing	3361	5,862	6,065	-5.8	58,157	5.7	65,797
Motor vehicle parts manufacturing	3363	2,833	2,989	-4.4	29,278	10.2	32,741
Aerospace product and parts manufacturing Railroad rolling stock manufacturing	3364 3365	1,110 275	1,099 253	-8.4 -4.5	10,393 2,535	-15.0 5.4	12,472 2,878
Ship and boat building	3366	63	253 70	-23.6	2,555 901	20.6	1,242
		00	70	20.0	501	20.0	1,472
Furniture and related product manufacturing	337						
Household and institutional furniture and kitchen cabinet	0074	504	252	0.0	0.400		7 400
manufacturing Office furniture (including fixtures) manufacturing	3371	594	650	-3.3	6,403	7.7	7,133
Office furniture (including fixtures) manufacturing	3372	377	420	2.8	4,080	-6.0	4,319
Miscellaneous manufacturing	339						
Medical equipment and supplies manufacturing	3391	118	130	-2.6	1,287	5.3	1,432
Other miscellaneous manufacturing	3399	380	403	0.2	3,773	9.7	4,095

Table 8b Inventory owned for selected industries, unadjusted

			Current p	periods	
	NAICS Code	November 2003	October 2003	September 2003	August 2003
			\$ milli	ions	
Food manufacturing	311				
Animal food manufacturing	3111	275	272	277	280
Starch and vegetable fat and oil manufacturing	31122	202	209	169	151
Sugar and confectionery product manufacturing Fruit and vegetable preserving and specialty food	3113	380	354	370	388
manufacturing	3114	985	986	955	881
Dairy product manufacturing Meat product manufacturing	3115 3116	792 803	795 823	788 812	780 803
Cookie, cracker and pasta manufacturing	31182	122	023 122	121	123
Other food manufacturing	3119	523	538	534	505
Beverage and tobacco product manufacturing	312				
Soft drink and ice manufacturing	31211	238	242	249	257
Breweries	31212	170	172	169	176
Wineries	31213	227	228	222	212
Distilleries Tabana granufacturia	31214	431	445	473	497
Tobacco manufacturing	3122	665	631	578	570
Textile mills	313	50	5.4	40	50
Fibre, yarn and thread mills Fabric mills	3131 3132	50	54 311	48	50 328
Textile and fabric finishing and fabric coating	3133	297 65	63	321 67	520 67
Textile product mills	314	-		•	0.
Carpet and rug mills	31411	77	81	84	82
Textile bag and canvas mills	31491	43	42	44	45
Clothing manufacturing	315				
Hosiery and sock mills	31511	131	152	156	157
Other clothing knitting mills	31519	106	110	119	124
Men's and boys' cut and sew clothing manufacturing	31522	360	401	425	391
Women's and girls' cut and sew clothing manufacturing	31523	353	339	360	373
Clothing accessories and other clothing manufacturing	3159	76	77	82	83
Leather and allied product manufacturing Footwear manufacturing	316 3162	72	77	86	102
Wood product manufacturing	321				
Sawmills and wood preservation	3211	2,358	2,366	2,479	2,515
Veneer, plywood and engineered wood product manufacturing	3212	646	624	623	629
Other wood product manufacturing	3219	835	852	840	819
Paper manufacturing	322				
Pulp, paper and paperboard mills	3221	2,465	2,448	2,424	2,470
Paperboard container manufacturing	32221	543	535	541	535
Paper bag and coated and treated paper manufacturing	32222 32229	258	263 143	272 144	272 146
Other converted paper product manufacturing		144	143	144	140
Printing and related support activities Printing	323 32311	695	693	694	708
Support activities for printing	32312	9	8	8	8
Petroleum and coal products manufacturing	324				
Petroleum refineries	32411	1,215	1,236	1,255	1,432
Chemical manufacturing	325				
Other basic inorganic chemical manufacturing	32518	232	222	210	201
Other basic organic chemical manufacturing	32519	154	153	160	150
Resin, synthetic rubber, and artificial and synthetic fibres and filaments manufacturing	3252	558	560	549	545
Pesticide and other agricultural chemical manufacturing	32532	117	113	118	125
Pharmaceutical and medicine manufacturing	3254	3,098	2,987	2,850	3,159
Paint and coating manufacturing	32551	248	251	250	259
Adhesive manufacturing	32552	90	87	88	87
Soap and cleaning compound manufacturing	32561	99	98	98	103
Toilet preparation manufacturing Printing ink manufacturing	32562 32591	185 50	178 51	185 53	193 56
I IIIIIIII IIIK IIIAIIUIALIUIIIU	32331	ວບ	51	ეე	20
All other chemical product manufacturing	32599	284	290	296	295

Table 8b Inventory owned for selected industries, unadjusted - continued

			Current p	eriods	
	NAICS Code	November 2003	October 2003	September 2003	August 2003
			\$ milli	ons	
Plastics and rubber products manufacturing	326				
Plastic pipe, pipe fitting and unsupported profile shape					
manufacturing	32612	188	190	198	209
Polystyrene foam product manufacturing	32614	36	38	38	38
Other plastic product manufacturing	32619	871	880	856	868
Other rubber product manufacturing	32629	169	170	168	173
Non-metallic mineral product manufacturing	327				
Clay product and refractory manufacturing	3271	75	73	75	77
Glass and glass product manufacturing	3272	271	270	275	274
Cement manufacturing	32731	145	139	148	155
Ready-mix concrete manufacturing	32732	108	115	105	104
Other concrete product manufacturing	32739	100	97	94	95
Abrasive product manufacturing	32791	115	109	112	116
All other non-metallic mineral product manufacturing	32799	141	140	143	145
Primary metal manufacturing	331				
Iron and steel mills and ferro-alloy manufacturing	3311	1,908	1,898	1,921	1,994
Iron and steel pipes and tubes manufacturing from					
purchased steel	33121	572	550	548	547
Foundries	3315	284	269	255	265
Fabricated metal product manufacturing	332				
Cutlery and hand tool manufacturing	3322	78	78	78	78
Plate work and fabricated structural product manufacturing	33231	442	430	454	474
Power boiler and heat exchanger manufacturing	33241	150	151	149	164
Spring and wire product manufacturing	3326	112	117	116	125
Coating, engraving, heat treating and allied activities	3328	154	148	152	162
Other fabricated metal product manufacturing	3329	540	544	555	560
Machinery manufacturing	333				
Agricultural implement manufacturing	33311	537	520	503	495
Ventilation, heating, air-conditioning and commercial					
refrigeration equipment manufacturing	3334	335	341	345	359
All other general-purpose machinery manufacturing	33399	387	421	443	435
Computer and electronic product manufacturing	334				
Computer and peripheral equipment manufacturing	3341	546	563	554	548
Communications equipment manufacturing	3342	2,040	2,020	1,989	2,023
Audio and video equipment manufacturing	3343	53	52	52	52
			02	02	0-
Electrical equipment, appliance and component manufacturing		100	400	404	404
Lighting fixture manufacturing	33512	122	123	131	131
Small electrical appliance manufacturing Major appliance manufacturing	33521 33522	52 180	53 173	50 165	48 168
Major appliance manufacturing Battery manufacturing	33591	77	77	75	71
Communication and energy wire and cable manufacturing	33592	246	248	249	263
All other electrical equipment and component manufacturing	33599	107	109	108	110
Transportation equipment manufacturing	336	4.000	4.04.4	4.007	
Motor vehicle manufacturing	3361	1,223	1,214	1,297	1,210
Motor vehicle parts manufacturing	3363	1,921	1,866	1,867	1,837
Aerospace product and parts manufacturing Railroad rolling stock manufacturing	3364 3365	7,687 979	7,484 1,034	7,829 1,076	7,938 1,100
Ship and boat building	3366	137	132	1,070	1,100
		107	102	122	100
Furniture and related product manufacturing	337				
Household and institutional furniture and kitchen cabinet	0074	700	775	705	700
manufacturing Office furniture (including fixtures) manufacturing	3371	780 407	775	795	792
Office furniture (including fixtures) manufacturing	3372	407	403	402	408
Miscellaneous manufacturing	339				
Medical equipment and supplies manufacturing	3391	176	175	180	184
Other miscellaneous manufacturing	3399	813	810	816	792

Table 8b Inventory owned for selected industries, unadjusted - continued

		Previou	s year	Year-to-	date	Average per mo	onth
	NAICS Code	November 2002	October 2002	% Change from 2002	Average 2003	% Change from 2001	2002
				\$ millio	ns		
Food manufacturing	311						
Animal food manufacturing	3111	266	265	4.1	274	7.2	263
Starch and vegetable fat and oil manufacturing	31122	222	197	4.0	193	6.5	189
Sugar and confectionery product manufacturing	3113	383	375	1.3	365	-1.3	359
Fruit and vegetable preserving and specialty food manufacturing	3114	1,008	988	3.6	893	7.6	868
Dairy product manufacturing	3115	769	748	6.0	792	5.3	748
Meat product manufacturing	3116	882	843	-8.0	819	-1.6	884
Cookie, cracker and pasta manufacturing	31182	126	126	9.6	125	-1.9	115
Other food manufacturing	3119	470	489	2.2	495	4.4	482
Beverage and tobacco product manufacturing	312	004	005		252	40.0	050
Soft drink and ice manufacturing	31211	264	265	-1.4	253	13.8	253
Breweries	31212	177	179	1.9	172	10.2	168
Wineries	31213	225	224	5.9	221	12.6	209
Distilleries Tabassa manufacturing	31214	501	522	3.4	499	12.1	484
Tobacco manufacturing	3122	592	562	0.0	606	-6.2	602
Textile mills	313						
Fibre, yarn and thread mills	3131	55	56	-10.2	53	-22.3	58
Fabric mills	3132	334	343	-11.7	328	-7.1	368
Textile and fabric finishing and fabric coating	3133	68	63	12.2	67	-7.4	60
Textile product mills	314						
Carpet and rug mills	31411	82	84	1.7	83	-21.6	81
Textile bag and canvas mills	31491	64	66	-31.9	47	5.1	67
Clothing manufacturing	315						
Hosiery and sock mills	31511	131	142	8.0	147	-0.7	136
Other clothing knitting mills	31519	96	102	13.2	118	0.2	103
Men's and boys' cut and sew clothing manufacturing	31522	360	368	10.0	405	-19.9	369
Women's and girls' cut and sew clothing manufacturing	31523	342	338	-1.5	345	-7.8	351
Clothing accessories and other clothing manufacturing	3159	63	64	17.2	75	-14.6	64
Leather and allied product manufacturing Footwear manufacturing	316 3162	79	89	-5.2	89	-10.9	92
Wood product manufacturing	321						
Sawmills and wood preservation	3211	2,730	2,717	-3.8	2,897	-9.8	2,996
Veneer, plywood and engineered wood product manufacturing	3212	647	636	6.6	694	-4.4	652
Other wood product manufacturing	3219	851	804	8.5	865	7.2	801
Paper manufacturing	322						
Pulp, paper and paperboard mills	3221	2,513	2,525	-2.3	2,496	-8.5	2,549
Paperboard container manufacturing	32221	507	490	5.7	545	-5.0	514
Paper bag and coated and treated paper manufacturing	32222	258	252	8.1	272	2.2	254
Other converted paper product manufacturing	32229	148	149	1.3	149	-3.8	147
Printing and related support activities	323						
Printing	32311	693	705	-0.3	690	-4.4	688
Support activities for printing	32312	11	15	-38.0	9	-42.6	14
Petroleum and coal products manufacturing	324						
Petroleum refineries	32411	1,163	1,286	1.1	1,344	-12.4	1,322
Chemical manufacturing	325						
Other basic inorganic chemical manufacturing	32518	171	169	7.1	197	-4.3	184
Other basic organic chemical manufacturing	32519	150	152	8.9	157	-23.8	146
Resin, synthetic rubber, and artificial and synthetic fibres and							
filaments manufacturing	3252	531	531	8.7	569	-18.9	525
Pesticide and other agricultural chemical manufacturing	32532	116	107	-11.2	120	-20.3	133
Pharmaceutical and medicine manufacturing	3254	2,910	2,808	16.0	3,068	32.8	2,665
Paint and coating manufacturing	32551	239	238	2.9	258	-9.1	249
Adhesive manufacturing	32552	80	79	8.4	88	15.5	81
Soap and cleaning compound manufacturing	32561	108	106	-20.6	104	-11.8	129
Toilet preparation manufacturing	32562	182	177	17.2	188	-6.8	162
Printing ink manufacturing All other chemical product manufacturing	32591 32599	49 309	49 329	4.3 -1.2	52 308	-4.2 -0.9	50 312
All other chemical product manufacturing	3 2 399	309	329	-1.2	ასზ	-0.9	312

Table 8b Inventory owned for selected industries, unadjusted - concluded

		Previou	s year	Year-to-c	late	Average per mo	onth
	NAICS Code	November 2002	October 2002	% Change from 2002	Average 2003	% Change from 2001	2002
				\$ millio	ns		
Plastics and rubber products manufacturing	326						
Plastic pipe, pipe fitting and unsupported profile shape	00040	000	000	0.0	040	0.0	000
manufacturing	32612	229	222	-2.8	216	-6.3	223
Polystyrene foam product manufacturing Other plastic product manufacturing	32614 32619	31 898	32 856	21.7 6.1	38 894	1.6 7.8	31 848
Other rubber product manufacturing	32629	187	185	-3.7	181	-7.2	189
Non-metallic mineral product manufacturing	327						
Clay product and refractory manufacturing	3271	86	85	-4.4	85	-12.2	89
Glass and glass product manufacturing	3272	258	256	1.0	275	2.8	272
Cement manufacturing	32731	154	152	-5.9	177	-1.9	187
Ready-mix concrete manufacturing	32732	101	95	-0.7	102	-8.6	102
Other concrete product manufacturing	32739	76	73	13.6	93	1.3	82
Abrasive product manufacturing	32791	144	155	-18.9	124	32.0	151
All other non-metallic mineral product manufacturing	32799	145	143	2.6	144	0.9	141
Primary metal manufacturing	331	0.004	0.054	0.0	0.000	4.4	0.050
Iron and steel mills and ferro-alloy manufacturing Iron and steel pipes and tubes manufacturing from	3311	2,304	2,251	0.6	2,038	-1.1	2,050
purchased steel	33121	609	611	10.0	586	6.7	543
Foundries	3315	295	287	-0.2	286	1.0	287
Fabricated metal product manufacturing	332						
Cutlery and hand tool manufacturing	3322	83	85	-1.4	81	9.3	83
Plate work and fabricated structural product manufacturing	33231	438	449	2.8	462	2.9	448
Power boiler and heat exchanger manufacturing	33241	155	157	14.2	168	27.1	148
Spring and wire product manufacturing	3326	161	160	-10.2	139	-7.4	154
Coating, engraving, heat treating and allied activities Other fabricated metal product manufacturing	3328 3329	157 541	168 551	2.0 1.7	158 558	16.4 3.6	156 548
Machinery manufacturing	333	• • • • • • • • • • • • • • • • • • • •				0.0	0.0
Agricultural implement manufacturing	33311	536	522	3.3	525	1.5	510
Ventilation, heating, air-conditioning and commercial							
refrigeration equipment manufacturing	3334	326	342	0.6	349	6.8	345
All other general-purpose machinery manufacturing	33399	392	397	10.6	400	12.2	363
Computer and electronic product manufacturing	334						
Computer and peripheral equipment manufacturing	3341	600	591	-6.7	568	-42.7	607
Communications equipment manufacturing	3342	2,416	2,243	-14.9	2,102	-19.6	2,447
Audio and video equipment manufacturing	3343	57	60	6.7	54	-10.6	51
Electrical equipment, appliance and component manufacturing	335						
Lighting fixture manufacturing	33512	148	157	-16.1	135	-2.7	160
Small electrical appliance manufacturing	33521	44	46	15.0	49	-19.2	43
Major appliance manufacturing	33522	162	161	10.0	176	10.6	160
Battery manufacturing Communication and energy wire and cable manufacturing	33591 33592	63 291	65 284	-3.9 -9.5	68 266	44.2 -42.2	70 291
All other electrical equipment and component manufacturing	33599	108	114	-3.6	108	-42.2 -24.2	111
Transportation equipment manufacturing	336						
Motor vehicle manufacturing	3361	1,788	1,677	-18.8	1,400	2.9	1,730
Motor vehicle parts manufacturing	3363	1,873	1,768	9.6	1,918	3.9	1,762
Aerospace product and parts manufacturing	3364	8,121	7,853	0.1	7,813	0.3	7,817
Railroad rolling stock manufacturing	3365	1,461	1,414	-13.4	1,152	-14.0	1,338
Ship and boat building	3366	136	134	-14.9	124	-35.7	145
Furniture and related product manufacturing	337						
Household and institutional furniture and kitchen cabinet manufacturing	3371	819	795	5.8	814	9.7	772
Office furniture (including fixtures) manufacturing	3372	419	413	4.6	417	-11.1	398
Miscellaneous manufacturing	339						
Medical equipment and supplies manufacturing	3391	173	177	-2.9	176	-5.8	180
Other miscellaneous manufacturing	0001	922	921	-3.2	849	-3.0	879

Table 9
Inventories owned by stage of fabrication

		Unadju	sted						
Period covered	Raw materials	Goods in process	Finished products	Total inventories					
November 2002	27,237	16,282	19,610	63,129					
December 2002									
	27,600	15,742	19,047	62,389					
January 2003	27,863	15,527	19,210	62,601					
February 2003	28,300	15,874	19,806	63,980					
March 2003	28,431	15,820	20,261	64,512					
April 2003	27,952	16,165	20,478	64,595					
May 2003	27,058	16,224	20,385	63,666					
June 2003	26,529	15,841	19,923	62,293					
July 2003	26,620	15,470	19,333	61,423					
August 2003	26,525	15,537	18,891	60,953					
September 2003	25,922	15,261	18,814	59,997					
October 2003	25,977	14,968	18,573	59,518					
November 2003	25,787	15,266	18,858	59,911					
		Seasonally adjusted							
	Raw materials	Goods in process	Finished products	Total inventories					
November 2002	27,331	16,014	19,643	62,989					
December 2002	27,591	15,943	19,626	63,161					
January 2003	27,471	15,952	19,506	62,929					
February 2003	27,661	15,917	19,730	63,307					
March 2003	27,779	15,774	19,815	63,368					
April 2003	27,726	16,150	20,023	63,898					
May 2003	27,388	15,978	19,991	63,358					
June 2003	27,085	15,773	19,777	62,635					
July 2003	26,948	15,661	19,476	62,085					
August 2003	26,686	15,415	19,012	61,113					
September 2003	26,255	15,182	18,982	60,420					
October 2003	26,071	14,930	18,924	59,924					
	20,0		. 0,0= .	30,01					

Table 10 Shipments by major group and province, unadjusted

		Cur	rent year	
Province	November 2003	October 2003	September 2003	August 2003
		\$	millions	
Total Newfoundland and Labrador	179	195	229	237
Prince Edward Island	111	122	134	113
lova Scotia	743	770	757	759
lew Brunswick Quebec	1,077 9,867	1,061 10,516	1,154 10,532	1,168 10,003
Ontario	22,398	24,273	23,879	20,803
Manitoba	954	1,055	1,026	916
askatchewan Uberta	594 3,524	680 3,782	647 3,656	597 3,640
British Columbia	2,655	2,830	2,946	2,876
R11 Food manufacturing				
lewfoundland and Labrador	63	54	79	93
rince Edward Island ova Scotia	73 186	87 210	95 205	78 203
ew Brunswick	170	212	224	168
uebec	1,226	1,298	1,231	1,202
ntario	2,174	2,353	2,212	2,063
lanitoba askatchewan	266 164	283 169	253 159	245 151
Iberta	777	790	715	747
ritish Columbia	351	375	382	395
12 Beverage and tobacco product manufacturing				
ova Scotia	18	22	19	25
uebec ntario	355 541	344 560	364 549	396 581
askatchewan	4	5	5	6
ritish Columbia	77	83	82	99
13 Textile mills	450	454	100	4.55
uebec ntario	150 68	154 75	162 72	157 62
14 Textile product mills				
luebec	79	84	80	81
ntario	73	89	82	74
lberta ritish Columbia	3 9	3 9	3 8	3
15 Clothing manufacturing				
uebec	282	330	331	339
ntario	181	176	163	148
lanitoba askatchewan	40 3	45 3	44 2	37 2
lberta	10	9	6	6
ritish Columbia	23	26	25	25
16 Leather and allied product manufacturing				
Quebec Ontario	33 18	48 19	64 19	56 17
21 Wood product manufacturing				
ova Scotia	48	47	50	48
uebec	658	746	708	678
ntario	478	513	503	465
lanitoba askatchewan	46 52	58 65	58 57	52 51
Iberta	233	247	242	225
British Columbia	722	797	839	802

Table 10
Shipments by major group and province, unadjusted - continued

	Cur	rent year	
November 2003	October 2003	September 2003	August 2003
	\$	millions	
			76 909
750	800	799	773
122	135	121	142
395	390	443	425
			227
			391 33
9	11	11	11
56	58	58	51
51	49	51	58
			689 886
			765
59	64	62	66
711	726	722	685
1,634	1,785	1,799	1,568
			38 19
			525
97	95	89	115
91	97	94	84
			448
			1,054 43
9	9	9	9
82	100	102	111
92	104	101	99
			17 295
483	576	551	510
5	13	14	12
106	150	149	145
119	131	130	128
000	1 000	4 400	4.044
			1,014 1,195
88	102	77	79
17	16	17	18
4	2	2	2
			37
			26 468
1,300	1,465	1,465	1,262
61	74	71	75
			42 273
124			132
			. 32
	83 83 750 122 395 239 473 38 9 56 51 622 862 613 59 711 1,634 61 30 521 97 91 460 1,150 41 9 82 92 15 254 483 5 106 119 988 1,349 88 17 4 4 23 24 487 1,300 61 42 295	November 2003 2003	\$ millions \$ millions \$ millions \$ mil

Table 10 Shipments by major group and province, unadjusted - continued

	Current year			
Province	November 2003	October 2003	September 2003	August 2003
		\$	millions	
333 Machinery manufacturing				
Quebec Ontario	423 948	369 1,026	446 1,011	344 810
Manitoba	77	76	78	67
Saskatchewan	43	53	49	44
Alberta	249	288	256	219
British Columbia	156	161	147	143
334 Computer and electronic product manufacturing				
Quebec	421	412	566	404
Ontario Saskatchewan	950 8	864 10	1,071 9	847 9
Alberta	101	83	114	71
British Columbia	65	69	77	65
335 Electrical equipment, appliance and component manufacturing				
Quebec	260	267	273	244
Ontario	391	389	433	350
Manitoba	13	14	14	10
Saskatchewan Alberta	12 49	15 41	13 46	13 39
British Columbia	30	29	30	30
336 Transportation equipment manufacturing				
Nova Scotia	58	60	56	48
Quebec	920	1,045	942	922
Ontario	7,877	8,690	8,400	7,041
Manitoba Saskatchewan	111 22	128 26	130 24	115 22
Alberta	64	75	68	68
British Columbia	77	82	79	83
337 Furniture and related product manufacturing				
Quebec	277	294	291	284
Ontario	533	559	587	533
Manitoba	61	68	62	58
Saskatchewan Alberta	6 63	6 67	7 66	7 62
British Columbia	42	45	49	46
339 Miscellaneous manufacturing				
Newfoundland and Labrador	1	1	1	1
Quebec	179	175	179	162
Ontario	165	203	184	171
Manitoba Saskatchewan	9 4	10 4	7 4	6 4
Alberta	33	36	33	38
British Columbia	61	70	60	56

Table 10
Shipments by major group and province, unadjusted - continued

	Previous	year	Year-to-d	ate	Annual	
	November 2002	October 2002	% Change from 2002	2003	% Change from 2001	2002
		\$ millions				
Total Newfoundland and Labrador Prince Edward Island Nova Scotia	189 105 752	185 128 832	5.7 0.9 1.9	2,175 1,227 8,072	1.3 9.5 1.3	2,234 1,316 8,646
auva scutta Juebec Intario	972 972 10,390 24,052	1,162 11,145 25,338	3.8 -2.5 -2.1	11,988 109,530 251,879	3.1 0.9 3.4	12,632 122,059 277,581
nanitoba askatchewan Uberta	980 564 3,578	1,021 635 3,793	0.8 3.4 5.2	10,694 6,911 39,460	0.6 1.3 -3.4	11,538 7,239 40,966
British Columbia	2,719	2,944	-2.5	30,756	0.4	34,236
311 Food manufacturing						
lewfoundland and Labrador Prince Edward Island	57 80	70 93	-9.6 -2.0	756 859	10.3 8.0	891 952
lova Scotia	192	218	-2.0 -0.5	2,018	2.2	2,234
lew Brunswick Quebec	133 1,200	182 1,232	-3.0 4.6	1,816	4.6 1.4	2,004
Ontario	2,158	2,246	1.8	12,957 23,358	-0.1	13,573 25,085
Manitoba	253	261	1.0	2,782	4.3	3,023
Saskatchewan Nberta	161 751	164 771	4.1 -1.3	1,728 8,204	3.3 -1.0	1,825 9,055
British Columbia	344	377	4.1	4,047	3.4	4,270
12 Beverage and tobacco product manufacturing						
Jova Scotia Quebec	16 319	18 317	14.6 3.4	221 3,840	1.5 5.7	213 4,093
Intario	538	570	0.8	5,978	2.6	6,514
Saskatchewan	4	4	-36.1	56	-7.8	92
British Columbia	81	84	2.9	922	9.1	990
813 Textile mills Quebec	164	182	-11.3	1,703	-2.6	2,069
Ontario	73	76	-11.8	755	-5.3	912
114 Textile product mills						
Quebec Ontario	87 92	97 98	-8.2 -11.5	871 939	-2.1 3.8	1,020
ilberta	3	3	8.9	29	3.0 -14.4	1,138 28
British Columbia	12	14	-32.1	95	4.0	153
815 Clothing manufacturing	200	000	0.7	0.004	7.4	0.007
Quebec Ontario	339 209	388 200	-8.7 -13.2	3,364 1,637	-7.4 6.6	3,937 2,020
Manitoba	39	45	-2.2	342	13.1	376
Saskatchewan Alberta	3	3	9.5	22 77	-5.6	22
British Columbia	11 21	8 27	-5.0 2.2	251	-6.8 -15.8	89 263
116 Leather and allied product manufacturing						
Quebec	39	51	-9.2	368	-18.8	430
Ontario	21	22	-19.7	164	11.9	225
121 Wood product manufacturing Iova Scotia	42	50	0.3	493	10.1	530
Quebec	648	713	1.4	7,196	11.9	7,637
Ontario Manitaha	444	508	-2.2 7.2	5,124	7.7	5,622
Aanitoba Saskatchewan	43 43	48 47	7.3 29.2	501 509	-13.5 39.0	501 430
Alberta	184	198	6.4	2,243	2.8	2,265
British Columbia	768	906	-14.2	8,654	4.8	10,830

Table 10 Shipments by major group and province, unadjusted - continued

	Previous	Previous year Year-to-		-to-date Annual		I	
	November 2002	October 2002	% Change from 2002	2003	% Change from 2001	2002	
			\$ millio	ns			
322 Paper manufacturing							
Nova Scotia	78	85	3.3	830	-17.9	881	
Quebec Ontario	1,013 858	1,085 885	-7.3 -5.6	10,011 8,801	-2.7 -3.6	11,729 10,091	
Alberta	140	142	-0.2	1,413	4.0	1,553	
British Columbia	425	400	5.4	4,608	-11.7	4,790	
323 Printing and related support activities							
Quebec	249	246	1.0	2,555	-11.3	2,749	
Ontario Manitoba	480 38	488 42	-1.4 -4.0	4,845 387	2.0 -6.4	5,351 436	
Saskatchewan	9	12	7.2	104	6.1	106	
Alberta	49	53	2.7	544	-5.4	574	
British Columbia	51	51	-10.1	508	-10.7	608	
324 Petroleum and coal products manufacturing	244	704	45.5	7.404	0.7	0.045	
Quebec Ontario	644 950	724 943	15.5 10.7	7,124 9,887	6.7 -2.9	6,845 9,861	
Alberta	687	781	10.7	9,007 7,712	1.0	7,491	
British Columbia	55	65	0.7	701	-4.8	754	
325 Chemical manufacturing							
Quebec	739	743	-0.4	7,993	6.8	8,711	
Ontario	1,680	1,820	4.7	19,289	7.8	20,076	
Manitoba Saskatchewan	58 27	54 49	20.0 19.2	674 642	-12.6 -10.8	616 562	
Alberta	601	606	9.7	6,407	-6.7	6,456	
British Columbia	91	98	15.2	1,137	7.1	1,076	
326 Plastics and rubber products manufacturing							
Nova Scotia	104	106	-8.5	980	6.9	1,141	
Quebec Ontario	447 1,143	493 1,208	4.7 -0.1	5,076 12,823	10.7 6.9	5,208 13,805	
Manitoba	42	45	1.7	481	7.5	508	
Saskatchewan	8	10	8.9	101	5.4	98	
Alberta	82	101	3.2	985	-4.0	1,023	
British Columbia	78	90	12.1	1,049	-3.1	1,008	
327 Non-metallic mineral product manufacturing Nova Scotia	16	18	-1.3	150	1.2	162	
Quebec	234	290	5.4	2,696	10.8	2,701	
Ontario	494	549	5.8	5,181	4.9	5,264	
Saskatchewan	6	12	-7.2	101	-8.2	113	
Alberta British Columbia	134 113	161 130	-3.4 5.9	1,360 1,339	24.1 17.0	1,510 1,357	
331 Primary metal manufacturing							
Quebec	1,025	1,149	-0.8	11,610	7.8	12,712	
Ontario	1,400	1,474	2.4	15,134	11.9	16,003	
Alberta	67	84	16.1	942	-10.7	896	
332 Fabricated metal product manufacturing	_	•	24.4			0.5	
Newfoundland and Labrador Prince Edward Island	9 2	9	84.1 8.8	149 25	-15.5 -1.5	88 25	
Nova Scotia	28	30	13.3	25 273	-1.5 17.2	264	
New Brunswick	21	28	-2.0	244	-5.7	268	
Quebec	457	524	-0.7	4,924	1.8	5,329	
Ontario Manitoha	1,356	1,491	-3.3 17.7	14,596	4.7	16,165	
Manitoba Saskatchewan	63 31	62 38	17.7 10.3	757 427	-2.0 -6.5	707 416	
Alberta	259	246	23.7	3,004	-2.7	2,637	
British Columbia	134	138	-0.9	1,486	2.2	1,609	

Table 10 Shipments by major group and province, unadjusted - concluded

	Previous year		Year-to-da	ate	Annual		
	November 2002	October 2002	% Change from 2002	2003	% Change from 2001	2002	
			\$ millio	ns			
333 Machinery manufacturing							
Quebec Ontario	355 1,054	386 1,217	-2.1 -9.8	4,104 10,773	0.2 4.1	4,587 12,943	
Manitoba	79	80	-9.0 -8.8	883	9.4	1,042	
Saskatchewan	44	55	-10.8	548	7.4	662	
Alberta	239	251	0.6	2,662	-14.5	2,872	
British Columbia	155	156	9.8	1,577	8.7	1,594	
334 Computer and electronic product manufacturing	400	570	40.5	4.040	40.4	0.500	
Quebec Ontario	499 937	576 929	-19.5 -11.5	4,842 9,670	-18.1 -13.9	6,588 11,900	
Saskatchewan	7	8	8.5	92	12.7	94	
Alberta	109	108	-24.9	928	-29.9	1,392	
British Columbia	74	78	-8.8	726	-17.7	879	
335 Electrical equipment, appliance and component manufacturing							
Quebec	239	261	0.7	2,731	10.6	2,930	
Ontario Manitoba	452 15	443 17	-8.6 -20.2	4,411 134	-12.2 -14.7	5,210 183	
Saskatchewan	11	14	-31.6	135	-45.0	208	
Alberta	32	35	33.7	406	9.5	328	
British Columbia	33	29	4.7	331	-32.9	345	
336 Transportation equipment manufacturing							
Nova Scotia Quebec	51 1,219	64 1,196	-25.5 -15.0	610 11,011	29.7 -7.0	862 14,134	
Ontario	8,981	9,349	-15.0 -4.1	90,189	6.5	100,483	
Manitoba	141	133	0.2	1,474	0.2	1,603	
Saskatchewan	30	31	-12.7	285	21.7	349	
Alberta British Columbia	61 80	61 79	10.0 -17.3	790 995	0.5 -4.9	785 1,283	
	00	13	-17.0	990	-4.3	1,200	
337 Furniture and related product manufacturing Quebec	280	303	-1.9	3,010	11.4	3,293	
Ontario	552	621	0.3	6,139	-2.2	6,629	
Manitoba	64	69	-3.0	667	11.3	743	
Saskatchewan	7	7	-10.1	75	3.3	89	
Alberta British Columbia	73 46	79 49	-8.4 3.8	708 497	-3.9 14.4	838 525	
			0.0			020	
339 Miscellaneous manufacturing Newfoundland and Labrador	1	1	-33.4	12	22.1	18	
Quebec	191	188	-6.3	1,542	11.3	1,785	
Ontario	180	200	3.9	2,189	6.8	2,284	
Manitoba Sackatahawan	9 4	9 4	-12.7 9.4	86 44	-11.0 -2.0	107 44	
Saskatchewan Alberta	40	4 47	-10.8	363	-2.0 7.8	440	
British Columbia	53	61	8.1	593	15.0	606	
DITION COMMINIA	JJ	UI	0.1	J 33	10.0		

Survey documentation

- About the Monthly Survey of Manufacturing
- Concepts and definitions
- Survey Design and Methodology
- **Data Quality**

About the Monthly Survey of Manufacturing

The statistics contained in this publication are based on information obtained through a sample survey of 11.000 representative manufacturing establishments across Canada. The Monthly Survey of Manufacturers started in 1947 and although its content has remained essentially the same, it underwent a major redesign with respect to the frame in 1999.

The values (in Canadian dollars) of shipments, inventories and orders are used as indicators of the economic condition of manufacturing industries; as inputs to Canada's Gross Domestic Product; as two components in the Statistics Canada composite indicator; as input to macro- and microeconomic studies and in econometric models (e.g. to determine market share, apparent domestic availability, etc.).

Since 1999, Statistics Canada's Business Register provides the sampling frame for the Monthly Survey of Manufacturing (MSM). The target population for the MSM consists of all statistical establishments on the business register that are classified to the manufacturing sector. The sampling frame for the MSM is determined from the target population after subtracting establishments that represent the bottom 2% of the total manufacturing shipments estimate for each province. These establishments are excluded from the frame so that the sample size can be reduced without significantly affecting quality.

Concepts and Definitions

The Monthly Survey of Manufacturing (MSM) publishes statistical series for manufacturers – shipments, inventories. unfilled orders and new orders. The values of these characteristics represent current monthly estimates of the more complete Annual Survey of Manufactures (ASM) data.

The MSM is a sample survey of approximately 11,000 Canadian manufacturing establishments, which are categorized into over 200 industries. Industries are classified according to the 1997 North American Industrial Classification System (NAICS), which replaced the 1980 Standard Industrial Classification (SIC) system. Reference year 2000 is the last year for which data are released on a SIC basis. The MSM adopted the NAICS for its 2001 reference, while previous years' data have been re-calculated to the new classification system back to 1992. Seasonally adjusted series are available for the main aggregates.

An establishment comprises the smallest manufacturing unit capable of reporting the variables of interest. Data collected by the MSM provides a current 'snapshot' of shipment values by the Canadian manufacturing sector, enabling analysis of the state of the Canadian economy, as well as the health of specific industries in the short- to medium-term. The information is used by both private and public sectors including Statistics Canada, federal and provincial governments, business and trade entities, international and domestic nongovernmental organizations, consultants, the business press and private citizens. The data are used for analyzing market share, trends, corporate benchmarking, policy analysis, program development, tax policy and trade policy.

1. Shipments

Shipments are defined as the value of goods manufactured by establishments that have been shipped to a customer. Shipments exclude any wholesaling activity, and any revenues from the rental of equipment or the sale of electricity. Note that in practice, some respondents report financial trans-actions rather than payments for work done. Shipments are available by 3-digit NAICS, broken down by province.

For the aerospace product and parts, and shipbuilding industries, the value of production is used instead of shipments. This value is calculated by adjusting monthly shipments by the monthly change in goods in process and finished product inventories. Raw materials are not included in the calculation since production tries to measure "work done" during the month. This is done in order to reduce distortions caused by the shipment of high value items as completed sales.

2. Inventories

Measurement of component values of inventory is important for economic studies as well as for derivation of production values. Respondents are asked to report their book values (at cost), of raw materials, any goods in process, and finished product inventories separate-ly. In some cases, respondents estimate a total inventory figure, which is allocated on the basis of proportions reported on the ASM. Inventory levels are calculated on a Canadawide basis, not by province.

3. Orders

a) Unfilled Orders

Unfilled orders represent a backlog or stock of orders that will generate future shipments assuming that they are not cancelled. As with inventories, unfilled orders and new orders levels are calculated on a Canadawide basis, not by province.

The MSM produces estimates for unfilled orders for all industries except for those industries where orders are customarily filled from stocks on hand and order books are not gen-erally maintained. In the case of the aircraft companies, options to purchase are not treated as orders until they are entered into the account-ing system.

b) New Orders

New orders represent current demand for manufactured products. Estimates of new orders are derived from shipments and unfilled orders data. All shipments within a month result from either an order received during the month or at some earlier time. New orders can be calculated as the sum of shipments adjusted for the monthly change in unfilled orders.

4. Non-Durable / Durable goods

a) Non-durable goods industries

Non-durable goods industries include Food (NAICS 311), Beverage and Tobacco Products (312), Textile Mills (313), Textile Product Mills (314), Leather and Allied Products (316), Paper (322), Printing and Related Support Activities (323), Petroleum and Coal Products (324), Chemicals (325) and Plastic and Rubber Products (326)

b) Durable goods industries

Durable goods industries include Clothing (NAICS 315), Wood Products (321), Non-Metallic Mineral Products (327), Primary Metals (331), Fabricated Metal Products (332), Machinery (333), Computer and Electronic Products (334), Electrical Equipment, Appliance and Components (335), Transportation Equipment (336), Furniture and Related Products (337) and Miscellaneous Manufacturing (339).

Survey Design and Methodology

Beginning with the August 1999 reference month, the Monthly Survey of Manufacturing (MSM) has undergone an extensive redesign.

Concept Review

It was decided that before any redesign work could begin the basic concepts and definitions of the program would be confirmed.

This was done in two ways: First, a review of user requirements was initiated. This involved revisiting an internal report to ensure that the user requirements from that exercise were being satisfied. As well, another round of internal review with the major users in the National Accounts was undertaken. This was to specifically focus on any data gaps that could be identified.

Secondly, with these gaps or requirements in hand, a survey was conducted in order to ascertain respondent's ability to report existing and new data. The study was also to confirm that respondents understood the definitions, which were being asked by survey analysts.

The result of the concept review was a reduction of the number of questions for the survey from sixteen to seven. Most of the questions that were dropped had to do with the reporting of shipments for work that was partially completed.

Methodology

The new sample design incorporates the 1997 North American Industrial Classification Standard (NAICS) and gives a much higher profile to provincial estimates. Stratification is done by province with equal quality requirements for each province. Large size units are selected with certainty and small units are selected with a probability based on the desired quality of the estimate within a cell.

The opportunity was also taken at this time to allow for the introduction of sample rotation into the survey design. Most of the smaller companies who are asked to participate in the survey will do so only for a set period.

The estimation system generates estimates using the NAICS. The estimates will also continue to be reconciled to the ASM. Provincial estimates for all variables will be produced. A measure of quality (CV) will also be produced.

Components of the Redesigned Survey

Target Population and Sampling Frame

Statistics Canada's business register provides the sampling frame for the MSM. The target population for the MSM consists of all statistical establishments on the business register that are classified to the manufacturing sector (by NAICS). The sampling frame for the MSM is determined from the target population after subtracting establishments that represent the bottom 2% of the total manufacturing shipments estimate for each province. These establishments were excluded from the frame so that the sample size could be reduced without significantly affecting quality.

The Sample

The MSM sample is a probability sample comprised of approximately 11,000 establishments.

Prior to selection, the sampling frame is subdivided into industry-province cells. For the most part, NAICS codes were used. Depending upon the number of establishments within each cell, further subdivisions were made to group similar sized establishments' together (called stratum). An establishment's size was based on its most recently available annual shipments or sales value.

Each industry by province cell has a 'take-all' stratum composed of establishments sampled each month with certainty. This 'take-all' stratum is composed of establishments that are the largest statistical enterprises, and have the largest impact on estimates within a particular industry by province cell. These large statistical enterprises comprise 45% of the national manufacturing shipment estimates.

Each industry - province cell can have at most three 'takesome' strata. Not all establishments within these stratums need to be sampled with certainty. A random sample is drawn from the remaining strata. The responses from these sampled establishments are weighted according to the inverse of their probability of selection.

The initial sample was selected in late 1998 and has been refreshed each month by including a sample of new entrants in the frame.

Data Collection

Data collection, data capture, preliminary edit and follow-up of non-respondents are all performed in Statistics Canada regional offices. Sampled establishments are contacted by mail or telephone according to the preference of the respondent. Data capture and preliminary editing are performed simultaneously to ensure the validity of the data.

In some cases, combined reports are received from enterprises or companies with more than one establishment in the sample where respondents prefer not to provide individual establishment reports. Businesses, which do not report or whose reports contain errors, are followed up immediately.

Data Quality

Statistical Edit and Imputation

Data are analyzed within each industry-province cell. Extreme values are listed for inspection by the magnitude of the deviation from average behavior. Respondents are contacted to verify extreme values. Records that fail statistical edits are considered outliers and are not used for imputation.

Values are imputed for the non-responses, for establishments that do not report or only partially complete the survey form. A number of imputation methods are used depending on the variable requiring treatment. Methods include using industryprovince cell trends, historical responses, or reference to the ASM. Following imputation, the MSM staff performs a final verification of the responses that have been imputed.

Revisions

In conjunction with preliminary estimates for the current month, estimates for the previous three months are revised to account for any late returns. Data are revised when late responses are received or if an incorrect response was reported earlier.

Estimation

Estimates are calculated by multiplying an estimation weight to an establishment's reported responses. The estimation weight is the inverse of the sampled establishment's probability of selection. Take all units are self-representative.

Benchmarking

The MSM is periodically benchmarked to the most recent results of the Annual Survey of Manufactures (approximately eighteen months after the end of the reference year). Benchmarking is a process designed to calibrate the monthly estimates to the level of the more complete Annual Survey of Manufacturers. The result is that the two surveys have consistent totals at the aggregated level. The MSM estimates were benchmarked to the 1998 ASM with the release of the January 2001 reference month.

Sampling and Non-sampling Errors

The statistics in this publication are estimates derived from a sample survey and, as such, can be subject to errors. The following material is provided to assist the reader in the interpretation of the estimates published.

Estimates derived from a sample survey are subject to a number of different kinds of errors. These errors can be broken down into two major types: sampling and nonsampling.

1. Sampling Errors

Sampling errors are an inherent risk of sample surveys. They result from the difference between the value of a variable if it is randomly sampled and its value if a census is taken (or the average of all possible random values). These errors are present because observations are made only on a sample and not on the entire population.

The sampling error depends on factors such as the size of the sample, variability in the population, sampling design and method of estimation. For example, for a given sample size, the sampling error will depend on the stratification procedure employed, allocation of the sample, choice of the sampling units and method of selection. (Further, even for the same sampling design, we can make different calculations to arrive at the most efficient estimation procedure.) The most important feature of probability sampling is that the sampling error can be measured from the sample itself.

2. Non-sampling Errors

Non-sampling errors result from a systematic flaw in the structure of the data-collection procedure or design of any or all variables examined. They create a difference between the value of a variable obtained by sampling or census methods and the variable's true value. These errors are present whether a sample or a complete census of the population is taken. Non-sampling errors can be attributed to one or more of the following sources:

- a) Coverage error: This error can result from incomplete listing and inadequate coverage of the population of interest.
- b) Data response error: This error may be due to questionnaire design, the characteristics of a question, inability or unwillingness of the respondent to provide correct information, misinterpretation of the questions or definitional problems.
- c) Non-response error: Some respondents may refuse to answer questions, some may be unable to respond, and others may be too late in responding. Data for the non-responding units can be imputed using the data from responding units or some earlier data on the non-responding units if available.

The extent of error due to imputation is usually unknown and is very much dependent on any characteristic differences between the respondent group and the non-respondent group in the survey. This error generally decreases with increases in the response rate and attempts are therefore made to obtain as high a response rate as possible.

d) Processing error: These errors may occur at various stages of processing such as coding, data entry, verification, editing, weighting, and tabulation, etc. Non-sampling errors are difficult to measure. More important, non-sampling errors require control at the level at which their presence does not impair the use and interpretation of the results.

Measures have been undertaken to minimize the nonsampling errors. For example, units have been defined in a most precise manner and the most up-to-date listings have been used. Questionnaires have been carefully designed to minimize different interpretations. As well, detailed acceptance testing has been carried out for the different stages of editing and processing and every possible effort has been made to reduce the non-response rate as well as the response burden.

Measures of Sampling and Non-sampling Errors

1. Sampling Error Measures

The sample used in this survey is one of a large number of all possible samples of the same size that could have been selected using the same sample design under the same general conditions. If it was possible that each one of these samples could be surveyed under essentially the same conditions, with an estimate calculated from each sample, it would be expected that the sample estimates would differ from each other.

The average estimate derived from all these possible sample estimates is termed the expected value. The expected value can also be expressed as the value that would be obtained if a census enumeration were taken under identical conditions of collection and processing. An estimate calculated from a sample survey is said to be precise if it is near the expected value.

Sample estimates may differ from this expected value of the estimates. However, since the estimate is based on a probability sample, the variability of the sample estimate with respect to its expected value can be measured. The variance of an estimate is a measure of the precision of the sample estimate and is defined as the average, over all possible samples, of the squared difference of the estimate from its expected value.

The standard error is a measure of precision in absolute terms. The coefficient of variation, defined as the standard error divided by the sample estimate, is a measure of precision in relative terms. For comparison purposes, one may more readily compare the sampling error of one estimate to the sampling error of another estimate by using the coefficient of variation.

In this publication, the coefficient of variation is used to measure the sampling error of the estimates. However, since the coefficient of variation published for this survey is calculated from the responses of individual units, it also measures some non-sampling error.

The formula used to calculate the published coefficients of variation (CV) in Table 1 is:

$$CV(X) = \frac{S(X)}{X}$$

where X denotes the estimate and S(X) denotes the standard error of X.

In this publication, the coefficient of variation is expressed as a percentage.

Confidence intervals can be constructed around the estimate using the estimate and the coefficient of variation. Thus, for our sample, it is possible to state with a given level of confidence that the expected value will fall within the confidence interval constructed around the estimate. For example, if an estimate of \$12,000,000 has a coefficient of variation of 10%, the standard error will be \$1,200,000 or the estimate multiplied by the coefficient of variation. It can then be stated with 68% confidence that the expected value will fall within the interval whose length equals the standard deviation about the estimate, i.e., between \$10,800,000 and \$13,200,000. Alternatively, it can be stated with 95% confidence that the expected value will fall within the interval whose length equals two standard deviations about the estimate, i.e., between \$9,600,000 and \$14,400,000.

The table below contains the national level CVs, expressed as a percentage, for all manufacturing for the MSM characteristics. For CVs at other aggregate levels, contact the Marketing and Dissemination Section at (613) 951-9497. toll free: 1-866-873-8789 or by e-mail at manufact@statcan.ca.

National Level CVs by Characteristic

Month	Shipments	Raw Material Inven- tories	Goods in Process Inven- tories	Finished Product Inven- tories	Unfilled Orders
			%		
November 2002 December 2002 January 2003 February 2003 March 2003 April 2003 May 2003 June 2003 July 2003 August 2003 September 2003 November 2003	0.52 0.52 0.52 0.54 0.55 0.56 0.61 0.54	0.91 0.92 0.89 0.89 0.92 0.91 0.95 0.97 1.02 1.08 1.14 1.23	0.72 0.74 0.75 0.73 0.76 0.78 0.73 0.69 0.70 0.70 0.75	1.25 1.20 1.25 1.25 1.26 1.28 1.29 1.36 1.46 1.42 1.48	1.85 1.82 1.81 1.78 1.75 1.68 1.60 1.55 1.51 1.62 2.03 2.01 2.06

2. Non-sampling Error Measures

The exact population value is aimed at or desired by both a sample survey as well as a census. We say the estimate is accurate if it is near this value. Although this value is desired, we cannot assume that the exact value of every unit in the population or sample can be obtained and processed without error. Any difference between the expected value and the exact population value is termed the bias. Systematic biases in the data cannot be measured by the probability measures of sampling error as previously described. The accuracy of a survey estimate is determined by the joint effect of sampling and non-sampling errors.

Three sources of non-sampling error in the MSM are nonresponse error, imputation error and the error due to editing. To assist users in evaluating these errors, weighted rates that are related to these three types of error are given in Table 2. The following is an example of what is meant by a weighted rate. A cell with a sample of 20 units in which five respond for a particular month would have a response rate of 25%. If these five reporting units represented \$8 million out of a total estimate of \$10 million, the weighted response rate would be 80%.

The definitions of the three weighted rates noted in Table 2 follow. The weighted response rate is the proportion of a characteristic's total estimate that is based upon reported data (excluding data that has been edited). The weighted imputation rate is the proportion of a characteristic's total estimate that is based upon imputed data. The weighted editing rate is the proportion of a characteristic's total estimate that is based upon data that was edited (edited data may have been originally reported or imputed).

The table below contains the three types of weighted rates for each of the characteristics at the national level for all of manufacturing. In the table, the rates (expressed as percentages) are averages over the last thirteen months.

Average National Weighted Rates by Characteristic

Characteristic	Response	Response Imputation	
		%	
Shipments Raw Materials Goods in Process Finished Products Unfilled Orders	92.04 78.83 69.11 78.88 85.47	5.17 18.06 10.51 14.09 7.04	2.79 3.11 20.38 7.03 7.49

Joint Interpretation of Measures of Error

The measure of non-response error as well as the coefficient of variation must be considered jointly to have an overview of the quality of the estimates. The lower the coefficient of variation and the higher the weighted response rate, the better will be the published estimate.

Seasonal Adjustment

Economic time series contain the elements essential to the description, explanation and forecasting of the behavior of an economic phenomenon. They are statistical records of the evolution of economic processes through time. In using time series to observe economic activity, economists and statisticians have identified four characteristic behavioral components: the long-term movement or trend, the cycle, the seasonal variations and the irregular fluctuations. These movements are caused by various economic, climatic or institutional factors. The seasonal variations occur periodically on a more or less regular basis over the course of a year. These variations occur as a result of seasonal changes in weather, statutory holidays and other events that occur at fairly regular intervals and thus have a significant impact on the rate of economic activity.

In the interest of accurately interpreting the fundamental evolution of an economic phenomenon and producing forecasts of superior quality, Statistics Canada uses the X11ARIMA/88 seasonal adjustment method to seasonally adjust its time series. This method minimizes the impact of seasonal variations on the series and essentially consists of adding one year of estimated raw data to the end of the original series before it is seasonally adjusted per se. The estimated data are derived from forecasts using ARIMA (Auto Regressive Integrated Moving Average) models of the Box-Jenkins type.

The X-11 part of the X11ARIMA/88 program uses primarily a ratio-to-moving average method. It is used to smooth the modified series and obtain a preliminary estimate of the trendcycle. It also calculates the ratios of the original series (fitted) to the estimates of the trend-cycle and estimates the seasonal factors from these ratios. The final seasonal factors are produced only after these operations have been repeated several times.

The procedures to determine the seasonal factors necessary to calculate the final seasonally adjusted data are executed every month. This approach ensures that the estimated seasonal factors are derived from an unadjusted series that includes all the available information about the series, i.e. the current month's unadjusted data as well as the previous month's revised unadjusted data.

While seasonal adjustment permits a better understanding of the underlying trend-cycle of a series, the seasonally adjusted series still contains an irregular component. Slight month-to-month variations in the seasonally adjusted series may be simple irregular movements. To get a better idea of the underlying trend, users should examine several months of the seasonally adjusted series.

The Canada seasonally adjusted total is derived indirectly by the summation of the individually seasonally adjusted kinds of business.

Trend

A seasonally adjusted series may contain the effects of irregular influences and special circumstances and these can mask the trend. The short term trend shows the underlying direction in seasonally adjusted series by averaging across months, thus smoothing out the effects of irregular influences. The result is a more stable series. The trend for the last month may be, subject to significant revision as values in future months are included in the averaging process.



Manufacturing, Construction and Energy Division

Monthly Survey of Manufacturing

Division de la fabrication, de la construction et de l'énergie

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Enquête mensuelle sur les industries manufacturières

Confidential when completed

Collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S19.

Confidentiel une fois rempli

Y–A	М

Renseignements recueillis en vertu de La Loi sur la statistique, Lois révisées du Canada, 1985, chapitre S19.

If you need assistance, please call telephone No. below. Si vous avez besoin d'aide, veuillez téléphoner au n° suivant.

Telephone/Téléphone:

Toll Free/Numéro sans frais:

Fax/Télécopieur:

Toll Free Fax/Télécopieur sans frais:



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INFORMATION SHARING AGREEMENTS:

To reduce response burden and to ensure more uniform statistics, Statistics Canada has entered into agreements with government departments and agencies for the sharing of data. See the second page for details of the agreements concerning this survey.

ENTENTES DE PARTAGE DES DONNÉES:

Pour alléger le fardeau de réponse et assurer des statistiques plus uniformes, Statistique Canada a conclu des ententes avec des ministères et organismes publics en vue d'un échange de données. Voir la deuxième page pour détails sur les accords concernant cette enquête.

Please correct name, address and establishment coverage if necessary - Veuillez corriger le nom, l'adresse et le regroupement d'établissements s'il y a lieu.

- When values are not available by the due date, estimates are acceptable.
- Do not report cumulative or year-to-date values.
- Lorsque les valeurs ne sont pas disponibles à la date d'échéance, on peut accepter un estimé de ces valeurs.
- Ne donnez pas des chiffres cumulatifs.

reported.	alues are not normally	ne sont pas normalement rapportées.	ii ou i	ies vaieui	S	
1. Shipments – Livraisons		2. Inventories – Stocks manufact	turie	ers		
Goods of own manufacture Produits de propre fabrication	Omit cents – Omettre les cents	a) Raw materials, fuel, supplies, Matières premières, combustible, fournitures	04			
b) Goods purchased for resale Produits achetés pour la revente	02	b) Goods in Process (gross value) Produits en cours (valeur brute)	05			
TOTAL		c) Finished products of own manufacture Produits finis de propre fabrication	07			
		d) Goods purchased for resale Produits achetés pour la revente	08			
3. Orders – Commandes		TOTAL 4. Period – Période				
Unfilled orders at month end Commandes non remplies à la fin du mois	09	Closing date of accounting period covered Date de clôture de la période comptable		ith – Mois	Day -	– Jour
Name of contact – Nom de la personne–	ressource	Tel. No. – N° de tél. Area code. Ind. rég.		Date Y-A	M	D–J
Position – Fonction						

Thank you for your cooperation – Merci de votre collaboration

5-3100-1054:2002-05-14 STC/MCE 310-60194 - SQC/MCE 310-60194



Statistics Canada

Statistique Canada



INFORMATION SHARING AGREEMENTS:

Section 11 of the federal Statistics Act provides for the joint collection and sharing of information with provincial statistical agencies which (1) have been established under provincial legis—lation providing substantially the same provisions for confidentiality and penalties for disclosure of confidential information as the federal Statistics Act, and (2) have the provincial or territorial legislative authority to collect this information on their own. Section 11 therefore was designed to reduce response burden and to facilitate the production of consistent and high quality national and provincial statistics.

A Section 11 agreement is in effect with the Institut de la statistique du Québec with respect to establishments located within the boundaries of that province.

ACCORDS DE PARTAGE DES DONNÉES:

L'article 11 de la Loi fédérale sur la statistique prévoit la collecte conjointe et le partage des données avec les organismes statistiques provinciaux qui 1) ont été établis en vertu d'une loi provinciale prévoyant essentiellement le même degré de protection de la confidentialité et les mêmes sanctions relatives à la divulgation d'information confidentielle que la Loi fédérale sur la statistique, et 2) sont autorisés légalement, par leur province ou leur territoire à recueillir eux-mêmes l'information. L'article 11 vise donc à réduire le fardeau de réponse et à faciliter la production de statistiques cohérentes et de bonne qualité aux niveaux fédéral et provincial.

L'accord en vertu de l'article 11 a été conclu avec l'Institut de la statistique du Québec en ce qui a trait aux établissements situés à l'intérieur des limites de cette province.

Comments - Commentaires	
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