

CATALOGUE No.

61-005

MONTHLY

C.2

# DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce

Vol. 7, No. 4

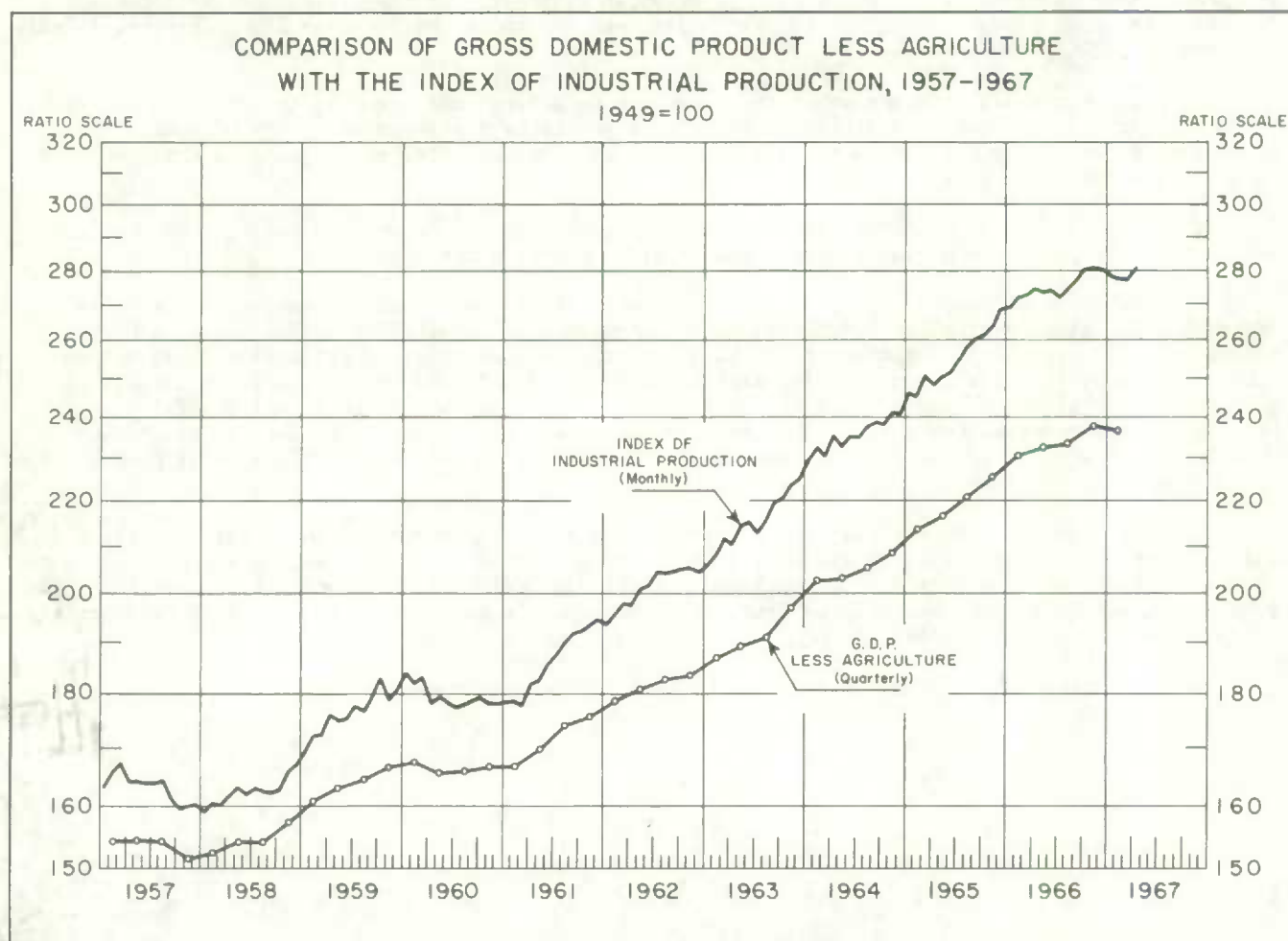
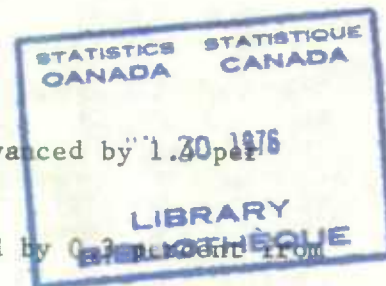
Price: 20 cents, \$2.00 a year

## INDEX OF INDUSTRIAL PRODUCTION (1949=100)

APRIL 1967

The seasonally adjusted index of industrial production advanced by 1.30 per cent in April.

Non-agricultural real output in the first quarter declined by 0.2 per cent from its fourth quarter 1966 level.



**New This Issue:** This issue includes indexes of non-agricultural real output for the first quarter of 1967.

National Accounts, Production and Productivity Division  
Industrial Output Section

July 1967  
2205-502

## APRIL INDEX OF INDUSTRIAL PRODUCTION

The April Index of Industrial Production rose to 280.7, an advance of 1.4 percent from the revised March level of 276.9. All principal components contributed to the gain as mining rose by 1.8 percent, manufacturing by 1.4, and electric power and gas utilities by 0.5. Fifty percent of the gain in the total index was contributed by non-durable manufacturing which rose by 1.7 percent. Durables advanced by 1.1 percent.

Within non-durables manufacturing all groups, with the two exceptions of clothing and products of petroleum and coal, registered increases ranging from fractional to nearly 7 percent. In terms of contribution something more than three fourths of the non-durables advance was due to the gains in textiles, foods and beverages, and paper products, (7%, 2%, and 2%, respectively). In textiles the gain (again in terms of contribution) was almost equally divided between cotton goods and synthetic textiles and silk which advanced by 19 and 7 percent respectively. Other textiles components declined. In foods and beverages nearly all of the gain was contributed by the beverages components as food movements were to a large extent offsetting. The bulk of the beverages gain (+ 7%) was due to the 11 and 8 percent gains in distilleries and breweries although carbonated beverages also advanced by nearly 3 percent. In paper products (+ 2%) most of the gain was due to the better than 2 percent rise in pulp and paper.

Sizeable movements within some of the non-durables groups were, to a large extent, offsetting. In foods, for example, gains ranging from fractional to nearly 5 percent in bakery products, grain mill products and dairy products were largely offset by 3 percent declines in canning and processing and in miscellaneous foods.

In chemicals and allied products (+ 2%) a drop of nearly 2.5 percent in acids, alkalies, salts and fertilizers partially offset rather sizeable gains in the other components.

In durables manufactures (+ 1.1%) all groups with the exception of iron and steel products (- 1%) advanced. The gain in durables moved them to the highest level reached in 1967. The bulk of the durables increase was due to increases in (in order of contribution) wood products (+ 5%), transportation equipment (+ 2%) and non-metallic mineral products (+ 5%). In wood products nearly all of the gain was due to gains of nearly 7 and nearly 8 percent in veneers and plywoods and sawmills. In transportation equipment the bulk of the increase was due to motor vehicles. The latest advance in this industry moved it to the highest level achieved this year. In non-metallic mineral products 6 of the 8 components contributed to the increase.

In mining (+ 1.8%) nearly all of the increase was due to increases in fuels and non-metals (+ 5 and + 6 percent respectively) as metals fell by 3 percent. In fuels the advance was due to a better than six percent rise in petroleum as coal and natural gas fell by 1 and 3 percent respectively. The gain in non-metals mining was in large part due to increased potash production although asbestos also advanced by more than 1 percent.

Both electric power and gas shared in the gain in electric power and gas utilities.

### NOTES

Users should note that all previously published figures for the Index of Industrial Production and its components and for Real Domestic Product less Agriculture have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1966 to date. Tables and charts together with a fuller explanation of these changes can be found in the 1967 "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue number 61-005. Current issues of this report will provide the figures for 1967.

TABLE 1. Seasonally Adjusted Index of Industrial Production  
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966		1967			
		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
INDEX OF INDUSTRIAL PRODUCTION	32.231	280.6	280.1	278.6	277.7	276.9	280.7
MINING .....	3.245	406.3	404.4	411.1	402.5	401.2	408.3
Metals .....	1.925	256.4	266.5	271.8	275.1	279.3	270.2
Gold .....	0.575	66.4	72.0	69.9	74.0	69.2	66.9
Copper .....	0.352	184.7	209.0	226.6	228.0	232.6	243.2
Iron ore .....	0.099	1,410.3	1,445.9	1,495.9	1,482.5	1,458.6	1,348.2
Nickel .....	0.333	178.1	171.5	178.4	177.4	177.4	189.7
Non-metals .....	0.268	396.7	397.6	422.8	416.7	397.5	421.5
Asbestos .....	0.189	290.3	278.5	290.5	280.1	267.8	271.7
Fuels .....	0.915	715.8	689.7	693.6	665.8	659.1	693.2
Coal .....	0.553	54.7	54.4	55.4	52.0	54.7	53.9
Natural gas .....	0.035	1,688.6	1,634.7	1,706.7	1,731.1	1,722.9	1,667.9
Petroleum .....	0.327	1,729.7	1,663.0	1,664.4	1,589.8	1,567.4	1,670.0
MANUFACTURING, TOTAL .....	27.340	251.1	250.6	247.7	246.7	246.1	249.6
NON-DURABLE MANUFACTURES .....	14.742	243.5	245.2	242.7	242.4	240.6	244.8
Foods and beverages .....	3.814	205.8	206.8	209.6	206.5	210.8	215.2
Foods .....	2.896	199.6	200.0	201.7	201.2	203.0	203.6
Meat products .....	0.523	199.6	196.8	199.7	203.2	209.3	212.5
Dairy products .....	0.450	207.1	211.0	209.5	208.9	199.7	209.1
Canning and processing .....	0.453	221.1	222.3	236.0	219.0	217.4	210.2
Grain mill products .....	0.322	214.1	212.0	206.0	203.7	213.2	220.7
Bakery products .....	0.558	155.8	154.4	155.5	157.0	158.3	158.7
Miscellaneous foods .....	0.590	211.0	213.9	212.7	220.6	225.8	219.5
Beverages .....	0.918	225.4	228.4	234.3	223.3	235.3	251.8
Carbonated beverages .....	0.231	225.4	220.7	234.6	225.3	236.3	242.5
Breweries .....	0.463	197.0	203.2	217.3	205.0	196.2	211.2
Distilleries .....	0.203	288.4	293.6	271.3	257.9	318.8	352.6
Tobacco and tobacco products .	0.248	265.5	273.4	272.8	268.8	262.4	264.1
Rubber products .....	0.430	266.3	254.6	237.8	240.5	236.6	251.7
Leather products .....	0.508	136.2	138.9	128.1	133.7	126.9	128.3
Boots and shoes .....	0.307	141.7	148.6	131.1	141.9	130.1	130.8
Textiles .....	1.623	239.7	246.8	218.6	223.4	224.9	239.7
Cotton goods .....	0.507	156.7	154.7	145.2	136.9	140.7	167.7
Woollen goods .....	0.300	89.3	89.6	84.6	90.1	85.4	79.5
Synthetic textiles and silk	0.429	454.2	484.2	387.7	411.9	419.4	450.5
Clothing .....	1.801	179.2	188.3	171.8	173.9	175.4	172.3
Paper products .....	2.649	218.4	216.9	225.0	223.4	210.9	215.2
Pulp and paper .....	2.108	212.2	210.6	219.0	217.8	203.6	208.0



TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded

(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966		1967			
		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
NON-DURABLE MANUFACTURES - Concluded:							
Printing, publishing and allied industries .....	1.273	239.1	244.7	244.7	248.2	247.7	248.9
Products of petroleum and coal	0.513	390.5	386.8	379.3	369.2	378.8	372.6
Petroleum products .....	0.454	426.2	423.0	415.1	402.4	413.5	406.1
Chemicals and allied products	1.359	380.4	376.2	394.3	390.1	383.1	389.1
Acids, alkalies, salts and fertilizers .....	0.346	510.5	502.0	531.5	533.1	545.1	531.8
Miscellaneous manufactures ....	0.524	465.1	462.3	462.0	465.9	461.4	463.9
DURABLE MANUFACTURES .....	12.598	260.0	257.0	253.5	251.7	252.5	255.3
Wood products .....	2.108	191.3	185.3	188.0	190.0	187.1	195.7
Saw and planing mills .....	1.444	189.8	181.0	185.6	189.6	185.5	197.7
Veneers and plywoods .....	0.122	427.4	386.3	394.6	417.6	417.0	443.5
Sawmills .....	0.994	189.1	181.2	187.4	189.8	183.9	197.8
Furniture .....	0.460	238.6	238.6	235.5	232.2	232.0	233.9
Iron and steel products .....	4.026	253.6	248.2	246.2	255.0	253.0	250.5
Machinery .....	0.851	283.0	283.7	284.4	283.8	282.5	282.8
Iron castings .....	0.387	220.4	201.2	208.9	224.4	222.0	214.7
Primary iron and steel .....	0.845	312.7	293.8	286.4	321.1	325.6	315.8
Sheet metal products .....	0.359	292.3	298.9	299.0	297.0	295.5	290.1
Transportation equipment .....	2.651	281.4	280.4	260.9	261.0	262.2	266.7
Aircraft and parts .....	0.203	471.3	475.7	478.2	486.4	487.3	487.5
Motor vehicles .....	1.035	378.6	375.9	337.2	341.3	347.3	360.7
Motor vehicle parts .....	0.462	352.1	348.0	323.3	313.7	309.3	316.6
Railway rolling stock .....	0.621	60.5	61.9	63.2	64.1	64.3	62.7
Shipbuilding and repairs ....	0.261	170.4	171.1	167.7	162.6	154.9	140.9
Non-ferrous metal products ....	1.601	194.0	201.7	201.5	202.5	199.9	201.7
Brass and copper products ...	0.241	175.0	173.8	174.0	171.0	171.9	169.0
Smelting and refining .....	1.028	189.7	200.6	200.7	202.5	198.9	203.6
Electrical apparatus and supplies .....	1.418	400.0	396.1	397.7	361.2	380.8	381.3
Heavy electrical machinery ..	0.489	278.2	275.3	270.9	218.0	275.5	272.7
Telecommunication equipment	0.142	1,225.5	1,190.5	1,183.1	1,097.8	1,048.2	1,077.0
Refrigerators and appliances	0.227	379.1	381.4	398.4	345.7	349.3	347.5
Non-metallic mineral products	0.794	285.5	276.5	286.7	270.8	268.9	283.1
Concrete products .....	0.098	813.8	756.6	835.8	754.2	743.2	784.2
Hydraulic cement .....	0.117	310.9	311.4	293.5	266.9	262.6	265.3
Domestic clay products .....	0.083	141.8	137.0	133.5	144.1	117.7	143.3
ELECTRIC POWER AND GAS UTILITIES	1.646	523.1	525.5	530.8	546.6	542.3	545.1
Electric power .....	1.480	478.5	483.0	484.1	502.7	495.5	497.2
Gas .....	0.166	920.4	904.8	946.9	937.7	959.6	

TABLE 2. Index of Industrial Production, without Seasonal Adjustment  
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
	1965	1966	1966			1967		
			Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
INDEX OF INDUSTRIAL PRODUCTION	254.9	275.1	274.8	274.5	274.4	281.2	279.1	283.9
MINING .....	365.6	393.6	380.4	382.1	386.4	393.9	391.6	399.0
Metals .....	249.5	256.0	243.3	246.7	259.5	253.3	261.6	266.7
Gold .....	80.6	73.9	80.5	77.1	80.5	74.4	67.6	70.8
Copper .....	195.6	192.9	185.6	191.1	178.9	213.4	222.6	229.8
Iron ore .....	1,236.8	1,322.7	1,030.6	982.7	1,178.2	1,070.4	1,091.0	1,183.7
Nickel .....	209.9	185.6	197.8	219.8	213.7	177.2	187.2	203.0
Non-metals .....	377.2	405.3	384.5	413.4	410.9	387.6	389.6	416.2
Asbestos .....	269.4	293.4	283.2	314.9	305.8	273.7	278.8	277.1
Fuels .....	592.8	665.7	677.3	662.5	646.0	713.3	683.2	681.8
Coal .....	56.3	54.6	66.4	56.5	49.5	60.5	57.4	51.2
Natural gas .....	1,476.4	1,598.0	1,736.8	1,706.5	1,655.3	1,963.0	1,898.7	1,724.6
Petroleum .....	1,405.5	1,599.4	1,596.9	1,575.7	1,546.7	1,683.6	1,611.3	1,636.6
MANUFACTURING, TOTAL .....	230.1	247.2	244.6	245.9	247.0	246.3	246.6	253.1
NON-DURABLE MANUFACTURES .....	224.1	240.4	236.3	236.7	236.9	240.7	237.8	244.6
Foods and beverages .....	193.1	204.9	179.6	180.2	185.9	182.9	187.2	200.0
Foods .....	187.4	196.4	173.1	172.4	176.6	179.1	179.8	186.6
Meat products .....	192.3	193.4	187.6	194.8	190.6	198.1	200.9	216.7
Dairy products .....	196.0	202.2	172.3	186.2	193.1	179.2	185.1	202.8
Canning and processing ....	197.2	216.0	124.1	118.1	132.1	128.3	126.1	128.0
Grain mill products .....	189.3	207.3	219.8	201.2	202.0	217.9	214.8	223.4
Bakery products .....	151.7	155.7	145.2	146.7	148.5	149.2	150.6	151.9
Miscellaneous foods .....	201.9	212.0	199.4	192.2	198.3	208.0	207.0	205.2
Beverages .....	211.0	231.7	199.9	204.7	215.5	194.9	210.5	242.4
Carbonated beverages .....	186.2	221.0	214.3	155.1	190.1	225.8	179.6	213.9
Breweries .....	191.1	201.8	166.9	193.2	208.2	167.7	190.3	226.0
Distilleries .....	284.8	312.9	264.2	293.8	267.1	221.5	293.3	317.3
Tobacco and tobacco products	243.4	258.1	279.4	272.9	258.7	283.3	268.7	274.7
Rubber products .....	237.4	258.5	307.2	272.6	275.0	284.3	245.6	274.4
Leather products .....	135.2	137.9	149.9	150.8	143.0	146.4	138.4	136.0
Boots and shoes .....	134.3	139.9	153.8	156.4	147.5	159.7	148.1	143.9
Textiles .....	220.6	233.1	248.3	239.0	231.0	238.7	231.3	242.7
Cotton goods .....	149.7	140.8	171.4	155.6	134.9	156.5	149.8	167.7
Woollen goods .....	89.6	92.1	91.7	91.0	92.4	88.2	83.1	77.9
Synthetic textiles and silk	391.3	440.5	462.5	444.4	439.4	451.0	435.8	464.0
Clothing .....	171.2	179.2	181.1	184.0	180.9	177.6	178.1	172.3
Paper products .....	198.3	216.1	213.7	219.1	213.5	224.2	215.8	218.9
Pulp and paper .....	192.8	210.2	212.3	217.1	209.0	223.0	212.0	214.2

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded

(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1966			1967		
	1965	1966	Feb.	Mar.	Apr.	Feb.	Mar.	Apr.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries .....	223.3	239.7	234.3	243.7	246.3	247.6	250.2	259.4
Products of petroleum and coal	345.9	371.6	369.4	362.7	353.9	378.6	386.2	346.6
Petroleum products .....	375.5	404.5	401.9	394.3	384.1	413.2	421.8	376.5
Chemicals and allied products	344.7	377.5	384.5	384.0	398.0	397.0	390.1	410.9
Acids, alkalies, salts and fertilizers .....	469.0	516.3	535.0	531.0	560.0	557.1	564.8	562.7
Miscellaneous manufactures ....	407.3	448.8	412.7	424.5	430.5	445.9	448.4	452.7
DURABLE MANUFACTURES .....	237.2	255.2	254.3	256.7	258.8	252.8	256.9	263.0
Wood products .....	181.7	189.2	194.4	198.0	185.8	197.1	194.2	192.7
Saw and planing mills .....	182.8	187.3	197.9	202.7	185.4	201.8	197.2	195.2
Veneers and plywoods .....	403.8	428.1	466.5	466.1	455.9	451.0	444.1	483.4
Sawmills .....	177.1	183.7	194.8	201.3	178.8	205.5	199.2	191.9
Furniture .....	216.3	235.5	227.8	227.7	226.2	228.2	228.3	228.3
Iron and steel products .....	239.1	253.1	250.5	253.6	258.2	248.5	256.0	256.2
Machinery .....	248.1	275.4	267.0	267.8	268.7	280.1	278.8	279.7
Iron castings .....	218.9	213.0	235.9	200.2	225.4	228.7	247.8	236.2
Primary iron and steel .....	320.0	324.8	328.0	346.0	351.4	309.2	338.6	334.7
Sheet metal products .....	274.2	289.1	272.4	279.2	286.0	277.1	281.0	284.6
Transportation equipment .....	250.0	273.8	302.1	302.3	304.2	285.6	287.6	306.1
Aircraft and parts .....	319.3	423.6	386.8	400.4	403.6	497.5	503.4	497.3
Motor vehicles .....	347.6	372.3	448.2	445.7	450.0	396.6	402.9	454.5
Motor vehicle parts .....	317.2	345.6	357.4	353.8	350.5	328.8	322.3	324.8
Railway rolling stock .....	62.6	60.5	61.8	60.9	60.8	63.1	63.3	61.7
Shipbuilding and repairs ....	161.9	170.1	165.8	179.3	182.4	158.7	161.7	150.3
Non-ferrous metal products ....	186.9	195.7	193.9	197.6	200.4	201.4	202.6	206.4
Brass and copper products ...	162.7	181.2	183.1	186.3	186.0	172.0	174.5	170.4
Smelting and refining .....	188.9	191.9	191.8	196.3	200.1	202.7	204.2	212.0
Electrical apparatus and supplies .....	319.2	368.8	339.0	334.6	348.6	360.4	373.0	375.7
Heavy electrical machinery ..	241.6	272.0	262.9	260.8	264.5	218.0	272.2	271.9
Telecommunication equipment	895.1	1,051.6	869.3	828.8	903.8	1,091.2	963.3	1,001.6
Refrigerators and appliances	301.9	352.5	343.7	341.2	363.7	355.1	367.1	369.4
Non-metallic mineral products	286.9	296.3	243.8	256.1	262.3	225.0	227.1	252.7
Concrete products .....	858.0	878.6	654.6	710.9	727.0	516.6	557.4	674.4
Hydraulic cement .....	298.8	320.8	220.2	271.9	283.4	177.2	194.8	230.0
Domestic clay products .....	142.8	145.3	122.3	123.2	137.8	115.6	98.4	136.6
ELECTRIC POWER AND GAS UTILITIES	448.3	504.2	568.1	537.9	510.4	638.7	596.8	568.5
Electric power .....	408.8	464.2	485.1	477.5	452.9	546.4	524.3	496.7
Gas .....	800.6	861.1	1,308.2	1,076.5	1,022.8	1,461.8	1,243.6	



# Real Domestic Product less Agriculture

## Note to Users

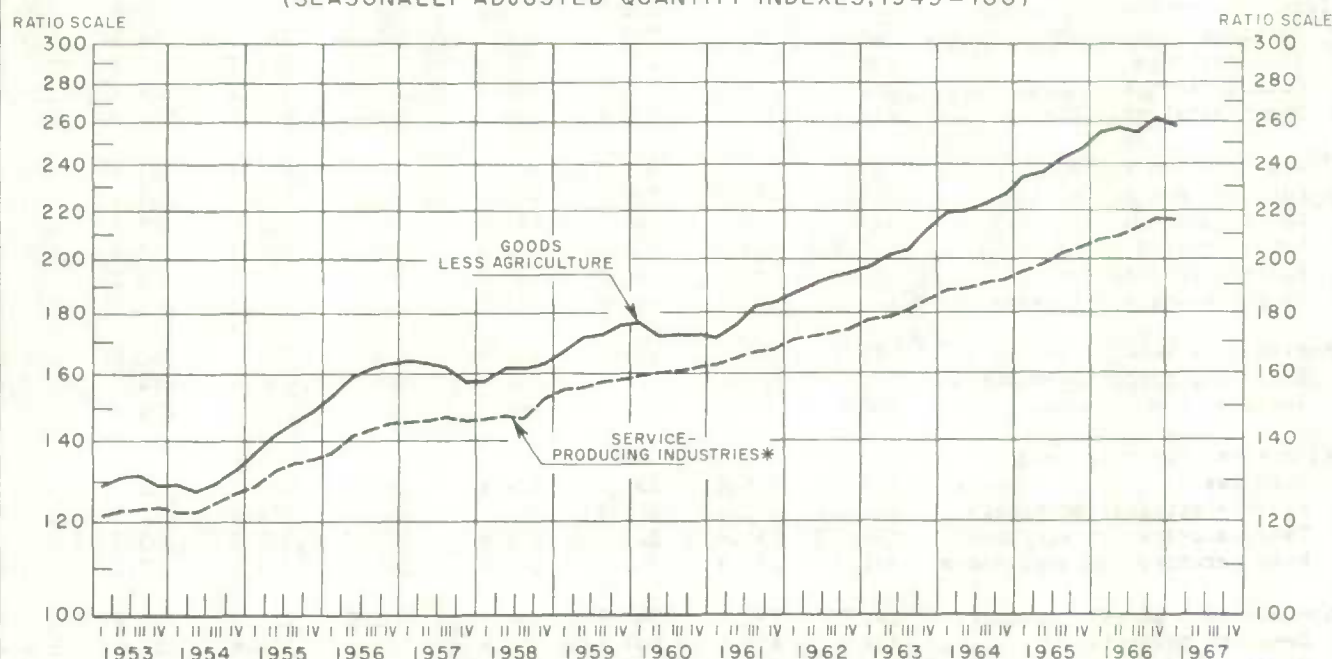
The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1967 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS, LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRY GROUP,  
BY QUARTERS, 1953-67  
(SEASONALLY ADJUSTED QUANTITY INDEXES, 1949=100)



\* INCLUDES TRANSPORTATION, STORAGE AND COMMUNICATION; TRADE; FINANCE; INSURANCE AND REAL ESTATE; PUBLIC ADMINISTRATION AND DEFENCE; COMMUNITY, RECREATION, BUSINESS AND PERSONAL SERVICE.

Real Domestic Product less Agriculture,

First Quarter, 1967

Seasonally adjusted real domestic product less agriculture for the first quarter of 1967 decreased by 0.3 per cent(1) from the fourth quarter of 1966. This decline in non-agricultural real output is the first one recorded since the current expansion began, during the first quarter of 1961. It is in contrast to the quarter-to-quarter gains of 2.2 per cent, 1.0 per cent, 0.2 per cent, and 1.8 per cent which were realized during 1966.

Table A shows the percentage changes from the fourth quarter of last year and their effect on the decline in non-agricultural output, for the major industry groupings:

TABLE A.

	4th Qtr.'66 - 1st Qtr.'67	
	% △	Effect on G.D.P. less Agriculture
Real domestic product less agriculture .....	- 0.3	- 0.3
Forestry .....	10.3	0.2
Fishing and trapping .....	2.8	-
Mining .....	- 0.5	-
Manufacturing .....	- 1.6	- 0.5
Non-durable .....	- 0.7	- 0.1
Durable .....	- 2.5	- 0.4
Construction .....	- 1.3	- 0.1
Electric power and gas utilities .....	3.6	0.1
Other goods, n.e.c. ....	- 0.2	-
Transportation, storage and communication .....	-	-
Transportation .....	0.4	-
Trade .....	- 1.4	- 0.2
Wholesale .....	- 5.1	- 0.3
Retail .....	0.9	0.1
Finance, insurance and real estate .....	1.1	0.1
Public administration and defence .....	0.8	-
Community, recreation, business and personal service .....	0.3	-

Note: The columns may not add to the total due to rounding.

(1) The inclusion, in the first quarter estimates, of preliminary data on agriculture, based on the usual first quarter assumptions, would fractionally further lower the real domestic product results. The alternative, but conceptually somewhat different, measurement of total production - Gross National Expenditure at market prices in constant dollars - showed a fractional increase for the same period (Catalogue No. 13-001, National Accounts Income and Expenditure, First Quarter, 1967).



Table B shows the percentage increases of the major industry groupings and their effect on the changes in total real output less agriculture, as measured from the cyclical low in the first quarter of 1961 to the first quarter of 1967 and each of the preceding three quarters:

TABLE B.

	IQ'61 - IIQ'66		IQ'61 - IIIQ'66		IQ'61 - IVQ'66		IQ'61 - IQ'67	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Real domestic product less agriculture ....	39.5	39.5	39.8	39.8	42.4	42.4	41.9	41.9
Forestry .....	39.6	.7	30.7	.6	33.7	.6	47.5	.9
Fishing and trapping ..	- 8.2	-	- 0.4	-	- 7.5	-	- 4.9	-
Mining .....	47.7	2.8	43.5	2.5	51.1	3.0	50.3	2.9
Manufacturing .....	53.7	15.8	54.3	16.0	56.7	16.7	54.2	15.9
Non-durable .....	43.0	7.1	43.0	7.1	45.2	7.5	44.2	7.3
Durable .....	67.6	8.6	69.2	8.8	71.5	9.2	67.2	8.5
Construction .....	43.8	3.0	37.2	2.5	39.6	2.7	37.8	2.6
Electric power and gas utilities .....	63.8	2.1	67.5	2.3	71.1	2.4	77.2	2.6
Other goods, n.e.c. ...	19.3	.2	20.0	.2	19.7	.2	19.5	.2
Transportation, storage and communication ...	44.1	4.1	42.8	4.0	48.8	4.6	48.8	4.6
Transportation .....	47.6	3.2	45.4	3.1	51.7	3.6	52.3	3.6
Trade .....	30.9	4.7	33.6	5.1	35.3	5.3	33.4	5.1
Wholesale .....	43.7	2.3	46.0	2.4	48.7	2.5	41.1	2.1
Retail .....	24.1	2.4	27.2	2.7	28.3	2.8	29.4	2.9
Finance, insurance and real estate .....	27.8	3.0	29.9	3.2	31.8	3.4	33.3	3.5
Public administration and defence .....	6.5	.4	8.3	.5	9.2	.5	10.1	.6
Community, recreation, business and personal service .....	27.3	2.8	29.1	3.0	29.8	3.1	30.2	3.1

Note: The columns may not add to the total due to rounding.

The decline in total non-agricultural output can be attributed to the goods-producing industries, which decreased by 0.6 per cent, in contrast to the service-producing industries, which were unchanged from their fourth quarter level (see chart on page 7). Within the goods-producing industries, a large downward movement in manufacturing was partially offset by advances in the forestry and the electric power and gas utilities industry groupings. Within the service-producing industries, a decline in total wholesale and retail trade was offset by an increase in the finance, insurance and real estate grouping, and smaller increases in the public administration and defence, and the community, recreation, business and personal service groupings.

Within the goods-producing industries, manufacturing fell by 1.6 per cent, with the 2.5 per cent decline in durables accounting for 76 per cent of the decrease. Sixty-five per cent of the decline in durables occurred in the transportation equipment group, which recorded a 7.2 per cent decrease as a result of sharp drops in the production of motor vehicles and motor vehicle parts. The declines in these two components can be contrasted to their effects over most of the current expansionary period, when they have been large contributors to the increases in total non-agricultural production. It should be noted that exclusion of these two components and the retail sales of motor vehicle dealers, from the fourth and first quarters estimates, would result in a 0.1 per cent increase in non-agricultural real output in the first quarter. Production and sales of motor vehicles also registered strong declines in the United States for the same time period. The electrical apparatus and supplies, non-metallic mineral products, and iron and steel products groups within durable manufacturing also recorded decreases, which, however, had a lesser effect than that of the transportation equipment group. Within the electrical apparatus and supplies group, most of the decline came from the telecommunication equipment and the heavy electrical machinery components. The remaining groups - wood products and non-ferrous metal products - showed increases of 0.7 and 1.9 per cent in the first quarter.

Manufacturing of non-durables fell by 0.7 per cent. Movements within non-durables were mixed, ranging from a 8.0 per cent decrease in textile products (over three-quarters of this decrease came from synthetic textiles and silk) to a 3.2 per cent increase in printing and publishing. Among the other non-durable manufacturing industry groups which showed contractions were, in descending order of change in weighted index points: clothing products, down 4.5 per cent; rubber products, down 8.0 per cent; petroleum products, down 2.2 per cent; and leather products, down 5.3 per cent. Other groups that expanded were chemicals, up 2.9 per cent and paper products, up 1.2 per cent. Fractional increases were recorded for foods and beverages, and tobacco products.

Construction, with a decrease of 1.3 per cent, also contributed to the decline in the goods-producing industries, but to a much lesser extent than manufacturing. Private residential construction fell by almost 10 per cent, reflecting a considerable decline in housing starts, a large drop in units completed, and a smaller decrease in units under construction in the first quarter. The decline in this type of construction began with a levelling-off in the second quarter of 1966, followed by a drop of 8.4 per cent in the third quarter and a further decrease of 4.2 per cent in the fourth quarter. A 1.3 per cent increase in the non-residential component of construction, however, offset much of the fall in the private residential component.

Mining showed only a fractional change from the last quarter of 1966. Within mining, however, there were large balancing movements. Metal mining rose by 4.5 per cent, while fuel mining showed a downward movement of 4.3 per cent, largely because of a sizeable decrease in crude petroleum mining. Non-metal mining went up by 3.8 per cent.

Partially offsetting the declines in the above goods-producing industries were the 10.3 per cent gain in forestry and the 3.6 per cent increase in electric power and gas utilities, both of which were of approximately equal importance. The gain in forestry was led by a 15.7 per cent advance in pulpwood production, which resulted mainly from an intensification of wintertime pulpwood cuttings in Quebec. The increase in electric power and gas utilities was largely due to an upward movement in the electric power component. The fishing and trapping industry rose by 2.8 per cent, but its contribution was only fractional.

In the services area, total retail and wholesale trade declined by 1.4 per cent. A sizeable drop in wholesale trade was partially offset by a 0.9 per cent increase in retail trade. Within wholesale trade, which decreased by 5.1 per cent, several of the components showed large declines. Industrial and transportation equipment and supplies, for example, fell by 13.0 per cent, and wholesale sales of construction materials and supplies, in line with the decline in sales of lumber and building materials by retailers, were down by 4.5 per cent. Sales of department stores, with an increase of 4.4 per cent, was one of the largest contributors to the increase in retail trade. The component with the largest negative contribution was motor vehicle dealers, which declined by 9.9 per cent. As noted above, production of motor vehicles also decreased by 9.9 per cent. Chain and independent grocery and combination stores, recorded increases in sales, of 4.5 per cent and 5.7 per cent, respectively.

Increases were recorded in three of the remaining service-producing industry groupings. The finance, insurance and real estate grouping had the largest increase (1.1 per cent), due mainly to rents. Public administration and defence rose by 0.8 per cent, largely as a result of the increase in the provincial administration component. The community, recreation, business and personal service grouping increased only fractionally in the first quarter of this year.

The transportation, storage and communication grouping remained unchanged from its 1966 fourth quarter level. Within this grouping a fractional increase in transportation was offset by a drop in storage and by a small decrease in communication. The 0.4 per cent increase in transportation was the result of advances of 11 per cent in air transport and stevedoring which were partially offset by decreases of 6.7 per cent in water transport and 1.3 per cent in pipelines. These increases in air transport and stevedoring reflected a recovery from the strike-affected fourth quarter, while the decline in water transport in large part represented a return to more normal levels following an unusually high fourth quarter which resulted from the late closing of the canal system on the St. Lawrence River. Only very small changes were shown in the other components of transportation.

TABLE 3. Indexes of Real Domestic Product, less Agriculture  
1949=100

[illegible]



TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued  
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1964 - 1 .....	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2 .....	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3 .....	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4 .....	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1 .....	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2 .....	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3 .....	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4 .....	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1 .....	201.3	264.9	264.1	137.5	233.6	177.3	213.6	237.5
2 .....	204.8	250.8	254.0	139.6	227.4	180.2	217.0	240.5
3 .....	205.3	249.4	257.8	137.6	228.4	177.8	216.4	241.3
4 .....	207.6	266.2	259.1	136.9	241.5	181.8	217.3	239.3
1967 - 1 .....	209.0	268.0	238.3	129.6	222.3	173.7	219.8	246.9
2 .....								
3 .....								
4 .....								
	Without seasonal adjustment							
1964 .....	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965 .....	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966 .....	204.9	258.1	258.5	137.9	233.1	179.2	216.1	239.7
1967 .....								
1964 - 1 .....	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2 .....	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3 .....	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4 .....	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1 .....	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2 .....	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3 .....	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4 .....	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1 .....	175.8	267.8	276.4	146.3	238.9	180.8	210.3	233.4
2 .....	202.4	266.9	267.5	140.0	231.8	177.9	219.0	249.6
3 .....	228.2	233.9	220.2	128.8	213.3	180.4	216.5	229.8
4 .....	213.0	263.9	269.9	136.4	248.3	177.8	218.7	246.0
1967 - 1 .....	182.3	271.5	250.4	138.0	227.7	176.1	216.8	242.8
2 .....								
3 .....								
4 .....								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued  
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights ....	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
Seasonally adjusted								
1964 - 1 .....	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2 .....	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3 .....	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4 .....	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1 .....	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2 .....	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3 .....	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4 .....	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1 .....	357.2	376.3	430.7	252.8	188.8	256.0	272.0	195.4
2 .....	373.7	379.4	444.4	253.2	191.8	252.5	265.8	197.6
3 .....	371.1	376.0	455.2	255.6	188.8	251.7	275.5	191.5
4 .....	384.3	378.1	463.3	259.1	187.1	252.4	281.6	197.6
1967 - 1 .....	375.7	389.2	463.1	252.6	188.4	251.4	261.3	201.3
2 .....								
3 .....								
4 .....								
Without seasonal adjustment								
1964 .....	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965 .....	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966 .....	371.6	377.5	448.8	255.2	189.2	253.1	273.8	195.7
1967 .....								
1964 - 1 .....	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2 .....	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3 .....	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4 .....	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1 .....	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2 .....	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3 .....	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4 .....	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1 .....	362.4	376.8	415.2	252.5	190.5	249.4	300.1	194.9
2 .....	357.9	394.2	436.4	262.9	192.0	260.5	300.9	200.2
3 .....	378.3	360.4	466.1	241.7	194.9	252.0	201.4	186.2
4 .....	387.8	378.6	477.4	263.7	179.3	250.4	292.8	201.4
1967 - 1 .....	385.0	389.1	446.3	252.3	190.1	246.2	285.9	199.6
2 .....								
3 .....								
4 .....								





TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded  
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight ....	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1964 - 1 .....	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2 .....	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3 .....	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4 .....	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1 .....	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2 .....	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3 .....	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4 .....	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1 .....	197.4	218.9	192.3	187.5	254.7	208.5	232.9	206.2	271.4
2 .....	192.4	221.3	194.4	189.7	258.0	209.7	235.0	209.4	274.3
3 .....	197.1	224.9	197.6	192.4	256.3	212.3	235.2	212.9	274.6
4 .....	198.8	228.2	199.3	193.4	261.2	215.9	239.7	214.9	280.3
1967 - 1 .....	200.5	230.8	200.9	194.0	259.7	215.8	238.7	216.5	277.7
2 .....									
3 .....									
4 .....									
Without seasonal adjustment									
1964 .....	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965 .....	187.5	211.9	190.7	178.8	239.4	200.5	221.0	198.6	254.9
1966 .....	196.3	223.2	195.9	190.8	258.0	211.6	235.9	210.9	275.1
1967 .....									
1964 - 1 .....	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2 .....	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3 .....	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4 .....	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1 .....	157.2	204.4	183.7	170.5	220.8	185.7	203.3	192.9	245.9
2 .....	190.6	212.5	190.6	178.1	237.9	202.3	221.3	198.3	254.0
3 .....	183.8	216.7	198.6	184.5	244.7	203.7	225.1	204.0	250.7
4 .....	218.2	214.0	189.8	182.1	254.4	210.1	234.4	199.2	268.9
1966 - 1 .....	172.6	214.9	185.7	182.6	243.2	197.7	221.1	201.9	270.7
2 .....	194.7	222.5	194.4	189.8	261.3	212.5	238.3	209.6	278.1
3 .....	191.6	228.4	206.2	197.1	259.8	214.5	237.8	218.3	266.7
4 .....	226.4	227.1	197.5	193.6	267.5	221.7	246.5	213.7	284.8
1967 - 1 .....	174.9	226.9	193.8	189.0	247.6	204.7	226.4	211.9	277.4
2 .....									
3 .....									
4 .....									

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

(3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.



1010546142

Least Squares of Logarithms Growth Rates, 1946-66

	Annual growth rate %		Annual growth rate %
Index of Industrial Production .....	5.70	Durable manufactures - Concluded	
Mining .....	8.91	Iron and steel products .....	4.96
Metals .....	6.90	Machinery .....	4.79
Gold .....	- 1.35*	Iron castings .....	4.41
Copper .....	4.88	Primary iron and steel .....	6.89
Iron ore .....	17.37*	Sheet metal products .....	6.05
Nickel .....	4.43	Transportation equipment .....	4.44
Non-metals .....	6.28	Aircraft and parts .....	7.19
Asbestos .....	4.71	Motor vehicles .....	6.58
Fuels .....	12.31	Motor vehicle parts .....	5.84
Coal .....	- 3.76	Railway rolling stock .....	- 3.10
Natural gas .....	17.90	Shipbuilding and repairs .....	0.55
Petroleum .....	20.37	Non-ferrous metal products .....	3.88
Manufacturing .....	4.90	Brass and copper products .....	2.54
Non-durable manufactures .....	4.91	Smelting and refining .....	4.09
Foods and beverages .....	3.95	Electrical apparatus and supplies .....	7.20
Foods .....	3.62	Heavy electrical machinery .....	5.17
Meat products .....	3.13	Telecommunication equipment .....	13.04
Dairy products .....	4.60	Refrigerators and appliances .....	8.91
Canning and processing .....	3.69	Non-metallic mineral products .....	6.80
Grain mill products .....	3.12	Concrete products .....	15.26
Bakery products .....	2.45	Hydraulic cement .....	7.71
Miscellaneous foods .....	4.65	Domestic clay products .....	2.22
Beverages .....	5.00	Electric power and gas utilities .....	9.60
Carbonated beverages .....	5.65	Electric power .....	9.04
Breweries .....	4.35	Gas utilities .....	13.36
Distilleries .....	5.75	Agriculture .....	1.73
Tobacco and tobacco products .....	6.04	Forestry .....	1.82
Rubber products .....	4.41	Fishing and trapping .....	1.80
Leather products .....	1.67	Construction .....	5.11
Boots and shoes .....	1.97	Transportation, storage and communication .....	4.77
Textiles .....	4.45	Transportation .....	4.24
Cotton goods .....	1.85	Storage .....	5.43
Wool goods .....	- 0.96	Trade .....	4.09
Synthetic textiles and silk .....	8.50	Wholesale .....	4.52
Clothing .....	3.11	Retail .....	3.85
Paper products .....	4.25	Finance, insurance and real estate .....	4.94
Pulp and paper .....	4.08	Public administration and defence .....	3.80
Printing and publishing and allied industries .....	5.33	Community, recreation, business and personal service .....	3.70
Products of petroleum and coal .....	8.41	Goods .....	4.66
Petroleum products .....	9.00	Goods less agriculture .....	5.33
Chemicals and allied products .....	7.65	Service-producing industries .....	4.26
Acids, alkalies, salts and fertilizers .....	9.80	Real Domestic Product, less agriculture .....	4.79
Miscellaneous manufactures .....	9.03	Real Domestic Product .....	4.48
Durable manufactures .....	4.90		
Wood products .....	3.45		
Saw and planing mills .....	3.53		
Veneers and plywoods .....	8.25		
Saw mills .....	3.15		
Furniture .....	4.45		

\* 1949-66.