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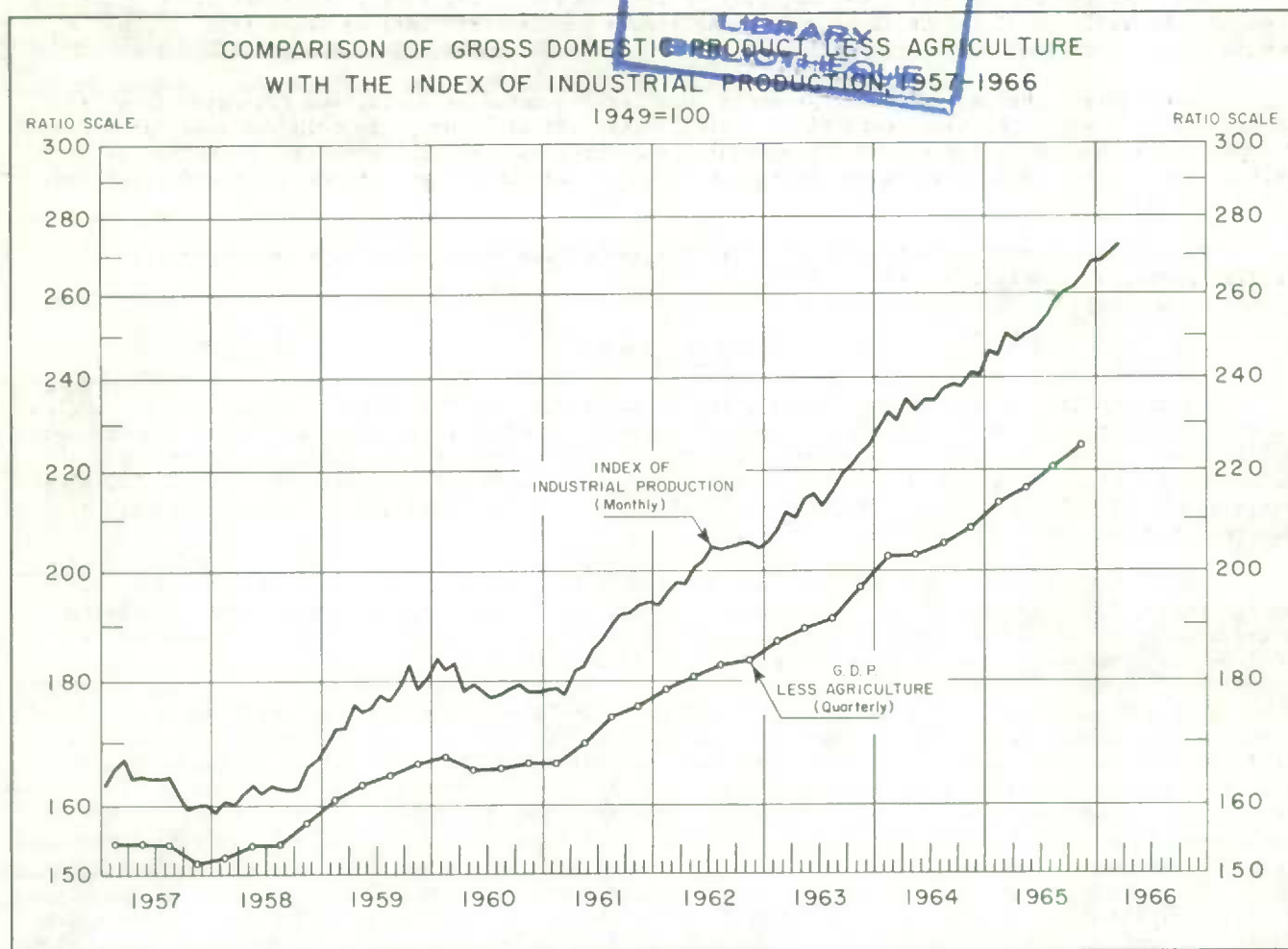
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INDEX OF INDUSTRIAL PRODUCTION (1949=100)

MARCH 1966

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PLEASE SEE SPECIAL NOTE ON PAGE 2.

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Industrial Output Section
National Accounts and Balance of Payments Division

ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa

MARCH INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production (See Special Note Below) rose by 0.8 per cent to 272.9 in March from the February level of 270.6. The latest gain was the result of contributions by all three components, as mining and manufacturing each advanced by 0.7 per cent, and electric power and gas utilities showed an increase of 2.4 per cent.

Based on the latest revised figures these March movements yield changes from the 4th quarter of 1965 to the first quarter of 1966, on a seasonally adjusted basis, as follows: the total Index of Industrial Production (+2.3%), manufacturing (+2.0%), durable (+1.9%), non-durable (+2.2%), mining (+2.2%), electric power and gas utilities (+4.4%).

Returning to March, in mining the gain was the resultant of a 1.4 per cent gain in fuels and a 3.8 per cent gain in non-metals, as metal mining fell by 0.6 per cent. In fuel mining the increase was entirely due to petroleum as both coal and natural gas fell. In non-metals, the rise was attributable to an 8 per cent rise in asbestos as other non-metals fell. The fall in metal mining was primarily due to a substantial 16 per cent drop in iron ore production.

Both non-durables and durables contributed to the gain in manufacturing in March, rising by 1.1 and 0.2 per cent respectively.

In non-durables, in March, the majority of the industries registered increases as only tobacco products, chemical and allied products, and miscellaneous manufactures fell by other than marginal amounts.

In durables, the gains in wood products, non-ferrous metal products, and non-metallic mineral products of 2, 1, and 4 per cent respectively were largely offset by drops in iron and steel products, transportation equipment, and electrical apparatus and supplies. In iron and steel products the decline was largely due to labor disputes in the iron castings industry. Primary iron and steel rose by 3.3 per cent.

The rise in electric power and gas utilities was entirely due to a 4 per cent increase in electric power, as gas fell by about the same amount.

SPECIAL NOTE

Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

These changes in the post 1948 period stem from the incorporation of more recent census-based annual levels, the substitution of a few improved monthly projectors, the incorporation of revisions to the underlying data, the use of an improved method of adjusting monthly series to annual levels, and from the reseasonal adjustment of all components of the Index.

The quarterly and annual estimates of Real Domestic Product and its components usually shown in the monthly publication have also been revised through the incorporation of the revised data for the Index of Industrial Production and its components. It should be noted that only those industry groupings composed in whole or in part of the Index of Industrial Production are affected by the changes. These revised quarterly and annual estimates are shown to the end of 1965 in the above supplement and current data will be published in the April issue of the "Index of Industrial Production".

The present revisions retain the 1949 weight and reference base and constitute the first stage of a several-stage programme, which will extend over a number of years, and is aimed at improving the quality and general usefulness of the Real Domestic Product by industry of origin data, including the Index of Industrial Production. Previously, Census-based annual benchmarks had not been calculated for the Index of Industrial Production beyond the mid-1950's. A major objective of the present revision was to remedy this situation and comprehensive annual benchmarks were accordingly calculated for all industries for at least the year 1959 on a 1948 Standard Industrial Classification (S.I.C.) basis.

The next stage in this programme will consist of converting the entire Real Domestic Product system to the 1960 S.I.C. and to a 1961 weight and reference base. Thus, in regard to the Index of Industrial Production components it should be noted that all post-1959 indexes are subject to further revisions. In the industries outside the area of the Index of Industrial Production, benchmark levels will be updated to 1961. This includes the incorporation of the latest (1961) Decennial Census data and therefore the historical record from 1951 forward will be changed for such industries as agriculture and retail and wholesale trade.

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

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1965			1966		
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
INDEX OF INDUSTRIAL PRODUCTION	32.231	261.6	264.0	268.6	268.9	270.6	272.9
MINING	3.245	362.2	377.8	385.0	372.7	387.1	390.0
Metals	1.925	239.5	258.0	270.6	264.0	264.3	262.8
Gold	0.575	79.6	77.5	79.0	75.1	81.4	77.6
Copper	0.352	179.3	196.9	200.2	193.6	198.5	198.9
Iron ore	0.099	1,268.8	1,442.8	1,507.4	1,604.6	1,465.2	1,234.9
Nickel	0.333	206.4	208.6	212.2	207.9	193.1	217.9
Non-metals	0.268	404.3	390.0	410.3	413.0	417.4	433.1
Asbestos	0.189	278.4	256.6	281.5	290.7	294.7	319.0
Fuels	0.915	593.6	609.9	601.7	576.1	614.1	622.5
Coal	0.553	53.9	57.5	55.7	54.5	58.2	54.2
Natural gas	0.035	1,498.5	1,520.1	1,457.2	1,573.3	1,504.6	1,497.6
Petroleum	0.327	1,409.4	1,446.7	1,433.6	1,351.3	1,458.8	1,490.0
MANUFACTURING, TOTAL	27.340	237.1	237.6	242.5	243.3	243.5	245.1
NON-DURABLE MANUFACTURES	14.742	230.2	229.1	234.7	235.5	235.9	238.4
Foods and beverages	3.814	195.8	196.8	200.1	199.4	199.6	201.6
Foods	2.896	188.9	188.9	192.8	194.6	191.2	193.2
Meat products	0.523	197.3	193.3	189.0	183.6	185.9	198.8
Dairy products	0.450	197.2	196.9	200.6	200.2	202.7	202.7
Canning and processing	0.453	190.9	193.0	213.8	217.9	202.0	206.2
Grain mill products	0.322	199.6	199.3	205.6	212.5	207.2	195.3
Bakery products	0.558	150.9	150.8	151.3	150.4	150.5	150.9
Miscellaneous foods	0.590	203.7	206.2	206.5	214.2	210.9	210.0
Beverages	0.918	217.5	221.5	223.1	214.6	224.7	227.9
Carbonated beverages	0.231	185.2	187.5	199.7	187.9	217.9	193.9
Breweries	0.463	191.1	198.2	188.5	202.4	200.6	193.2
Distilleries	0.203	309.3	311.4	326.5	275.2	290.3	349.8
Tobacco and tobacco products ..	0.248	247.7	246.7	250.0	265.5	270.5	267.5
Rubber products	0.430	251.3	247.1	261.5	265.2	260.3	263.4
Leather products	0.508	137.5	136.7	138.5	135.2	134.1	136.0
Boots and shoes	0.307	139.1	137.0	139.3	133.9	131.9	133.9
Textiles	1.623	230.4	222.0	235.4	235.3	227.9	230.9
Cotton goods	0.507	151.2	140.0	161.3	162.3	147.8	148.2
Woollen goods	0.300	93.0	86.1	91.6	88.2	91.4	94.9
Synthetic Textiles and Silk	0.429	419.9	403.7	424.4	427.9	412.9	420.4
Clothing	1.801	175.2	176.5	179.9	173.3	172.3	177.9
Paper products	2.649	203.1	200.5	204.6	212.5	217.5	217.5
Pulp and paper	2.108	196.8	193.2	197.8	206.9	213.7	213.7

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

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1965			1966		
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
NON-DURABLE MANUFACTURES - Concluded:							
Printing, publishing and allied industries	1.273	228.7	234.8	238.0	236.8	234.8	243.4
Products of petroleum and coal	0.513	350.3	338.8	348.1	339.5	356.9	367.2
Petroleum products	0.454	380.7	367.6	378.0	368.1	387.2	399.5
Chemicals and allied products	1.359	362.6	360.9	370.5	373.0	373.3	371.9
Acids, alkalies, salts and fertilizers	0.346	493.2	497.4	534.0	516.5	506.1	503.8
Miscellaneous manufactures	0.524	413.6	416.1	418.0	426.9	425.1	424.4
DURABLE MANUFACTURES	12.598	245.0	247.5	251.6	252.5	252.5	253.0
Wood products	2.108	187.2	188.6	196.0	186.6	183.1	186.4
Saw and planing mills	1.444	189.0	189.9	199.7	185.3	180.1	184.3
Veneers and plywoods	0.122	421.1	424.5	425.2	459.2	434.4	
Sawmills	0.994	183.7	184.5	198.4	174.3	171.4	179.5
Furniture	0.460	221.1	224.0	226.4	229.9	230.4	232.0
Iron and steel products	4.026	246.3	246.3	250.1	257.4	256.7	255.8
Machinery	0.851	258.2	260.0	262.0	269.1	272.2	273.4
Iron castings	0.387	228.5	234.5	262.8	259.8	233.3	188.2
Primary iron and steel	0.845	328.5	323.8	324.5	335.2	341.6	352.9
Sheet metal products	0.359	279.4	279.5	280.1	286.4	289.1	289.8
Transportation equipment	2.651	267.4	270.8	271.4	273.0	277.1	274.0
Aircraft and parts	0.203	318.4	333.8	348.7	365.4	371.0	370.7
Motor vehicles	1.035	378.4	377.3	373.3	383.1	392.5	383.8
Motor vehicle parts	0.462	345.1	360.1	364.1	344.9	346.0	347.8
Railway rolling stock	0.621	62.4	62.4	62.9	62.7	62.9	63.0
Shipbuilding and repairs	0.261	164.7	167.5	169.3	167.1	164.5	163.0
Non-ferrous metal products	1.601	190.8	194.5	193.0	195.8	192.1	194.0
Brass and copper products ...	0.241	180.4	181.7	183.2	178.5	174.3	178.2
Smelting and refining	1.028	187.9	192.5	189.2	194.4	189.3	190.8
Electrical apparatus and supplies	1.418	322.9	328.5	342.0	333.0	337.8	337.0
Heavy electrical machinery ..	0.489	249.3	253.4	255.4	260.4	263.7	265.3
Telecommunication equipment	0.142	829.6	891.8	1,006.4	814.0	833.4	857.9
Refrigerators and appliances	0.227	323.4	307.5	313.3	347.5	347.2	328.3
Non-metallic mineral products	0.794	287.9	294.4	298.3	304.2	302.5	314.5
Concrete products	0.098	853.9	879.3	90.53	912.2	977.0	987.4
Hydraulic cement	0.117	296.0	307.7	306.1	323.1	323.8	389.5
Domestic clay products	0.083	142.9	142.7	153.9	163.4	152.9	144.0
ELECTRIC POWER AND GAS UTILITIES	1.646	471.2	478.0	471.6	488.9	491.2	503.2
Electric power	1.480	428.4	433.0	429.4	452.4	449.8	467.7
Gas	0.166	852.9	879.3	847.4	813.9	860.5	819.6

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

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	239.8	247.1	250.7	262.0	268.5	273.2
MINING	346.4	365.6	358.3	344.5	351.8	360.4	375.9	377.8
Metals	245.7	249.5	240.5	224.0	236.8	228.2	241.4	244.7
Gold	85.9	80.6	83.9	81.3	79.7	73.4	79.8	75.8
Copper	187.8	195.6	185.1	183.9	185.5	185.1	185.8	191.3
Iron ore	1,185.3	1,236.8	847.7	846.7	921.7	1,010.9	986.1	938.5
Nickel	181.0	209.9	213.5	209.9	219.2	207.9	201.0	223.6
Non-metals	312.8	377.2	313.7	322.2	343.1	372.0	384.5	413.4
Asbestos	259.9	269.4	233.0	258.8	269.4	256.7	283.2	314.9
Fuels	557.7	592.8	636.7	618.4	604.5	650.5	665.1	652.2
Coal	55.1	56.3	70.4	64.7	62.2	65.9	66.4	56.5
Natural gas	1,382.3	1,476.4	1,678.5	1,651.7	1,619.1	1,825.0	1,715.2	1,651.9
Petroleum	1,319.2	1,405.5	1,482.9	1,444.1	1,413.1	1,513.4	1,565.3	1,552.6
MANUFACTURING, TOTAL	211.9	230.1	210.6	220.1	225.0	232.7	237.7	244.1
NON-DURABLE MANUFACTURES	211.2	224.1	204.6	216.0	215.6	221.5	224.8	234.9
Foods and beverages	185.6	193.1	162.3	167.6	169.6	167.7	178.5	179.4
Foods	180.6	187.4	164.1	164.6	165.3	172.1	172.3	171.8
Meat products	182.6	192.3	200.2	186.3	188.4	191.7	187.6	194.8
Dairy products	189.6	196.0	156.3	164.9	178.2	162.4	172.3	186.3
Canning and processing	190.0	197.2	107.7	117.0	112.7	119.4	122.3	116.2
Grain mill products	184.1	189.3	184.8	193.0	183.2	215.9	219.4	200.9
Bakery products	151.3	151.7	147.5	145.3	144.5	144.9	143.2	143.0
Miscellaneous foods	190.6	201.9	185.8	184.7	185.2	204.3	198.8	194.7
Beverages	201.3	211.0	156.5	176.9	183.4	153.9	198.0	203.3
Carbonated beverages	181.0	186.2	138.4	181.1	143.1	143.0	207.0	149.9
Breweries	185.7	191.1	137.6	147.0	192.8	125.5	166.9	193.2
Distilleries	262.1	284.8	220.0	243.9	212.7	230.6	264.2	293.8
Tobacco and tobacco products	232.1	243.4	226.5	247.6	243.7	251.2	279.4	272.9
Rubber products	232.8	237.4	208.4	272.4	236.0	249.3	307.2	272.6
Leather products	137.3	135.2	139.0	147.2	147.4	136.7	147.5	148.0
Boots and shoes	136.9	134.3	138.6	151.7	153.2	135.2	151.6	153.6
Textiles	203.3	220.6	204.1	228.9	215.4	229.4	247.3	238.3
Cotton goods	141.2	149.7	144.4	173.1	161.2	160.4	171.4	155.6
Woollen goods	91.2	89.6	84.7	84.8	85.7	84.7	91.7	91.0
Synthetic textiles and silk	338.4	391.3	345.1	408.5	367.6	412.5	462.5	445.6
Clothing	163.4	171.2	169.4	172.4	173.8	177.1	179.2	182.0
Paper products	186.3	198.3	179.6	192.0	197.6	197.5	213.4	218.7
Pulp and paper	182.0	192.8	176.2	191.2	195.7	192.0	212.0	216.9

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

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Jan.	Feb.	Mar.	Jan.	Feb.	Mar.
NON-DURABLE MANUFACTURES -								
Concluded:								
Printing, publishing and allied industries	207.4	223.3	200.4	218.5	217.8	222.3	234.8	243.7
Products of petroleum and coal	330.1	345.9	361.3	350.2	336.8	355.0	369.4	362.7
Petroleum products	357.9	375.5	392.6	381.3	365.1	385.8	401.9	394.3
Chemicals and allied products	312.7	344.7	315.2	327.4	335.9	362.2	379.4	377.8
Acids, alkalies, salts and fertilizers	416.5	469.0	423.2	461.9	463.2	506.2	535.0	531.0
Miscellaneous manufactures	386.5	407.3	382.0	380.1	385.6	410.7	408.1	410.4
DURABLE MANUFACTURES	212.7	237.2	217.6	224.9	236.0	245.8	252.8	254.9
Wood products	174.3	181.7	168.1	183.7	183.7	177.3	191.5	192.7
Saw and planing mills	180.0	182.8	169.5	191.8	189.3	173.8	195.1	196.0
Veneers and plywoods	397.7	403.8	401.4	428.2	420.0	459.7	466.5	
Sawmills	172.8	177.1	160.2	189.5	186.8	159.3	190.9	195.5
Furniture	192.6	216.3	198.0	199.9	206.7	225.1	223.5	225.3
Iron and steel products	215.2	239.1	215.7	220.5	230.8	242.9	249.3	253.5
Machinery	213.1	248.1	229.9	229.5	233.7	265.6	266.2	268.2
Iron castings	199.3	218.9	188.3	205.1	234.2	240.8	235.9	200.2
Primary iron and steel	291.2	320.0	277.7	291.2	310.6	309.4	327.9	350.1
Sheet metal products	248.1	274.2	247.3	243.9	249.6	267.2	268.6	273.3
Transportation equipment	210.5	250.0	241.0	245.9	277.2	295.9	300.7	300.6
Aircraft and parts	336.3	319.3	340.8	333.0	334.4	372.3	374.0	374.0
Motor vehicles	274.2	347.6	334.4	346.0	417.2	433.7	448.2	445.6
Motor vehicle parts	262.2	317.2	291.5	298.6	312.3	362.1	359.8	361.7
Railway rolling stock	58.9	62.6	61.6	60.7	61.7	62.3	61.8	62.3
Shipbuilding and repairs	148.7	161.9	152.5	153.9	163.6	161.4	158.4	163.3
Non-ferrous metal products	174.2	186.9	177.7	181.8	187.9	193.3	193.5	197.1
Brass and copper products ...	155.6	162.7	164.0	162.0	163.1	182.6	181.8	181.8
Smelting and refining	176.5	188.9	179.4	187.1	194.9	190.5	191.8	196.3
Electrical apparatus and supplies	279.1	319.2	298.5	305.7	307.3	326.7	336.6	330.6
Heavy electrical machinery ..	213.0	241.6	228.1	227.5	228.8	260.7	260.3	260.8
Telecommunication equipment	744.5	895.1	867.9	892.2	838.0	813.2	863.4	815.9
Refrigerators and appliances	274.9	301.9	259.2	290.6	316.6	315.2	345.8	337.2
Non-metallic mineral products	268.2	286.9	217.3	228.4	232.9	236.3	243.7	256.0
Concrete products	814.1	858.0	515.1	544.1	612.0	547.3	654.6	710.9
Hydraulic cement	277.5	298.8	189.8	192.5	220.2	206.8	220.2	271.9
Domestic clay products	138.3	142.8	117.6	111.5	119.6	134.0	122.3	121.8
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	491.4	503.5	478.9	555.4	567.0	549.2
Electric power	371.5	408.8	425.3	429.5	417.6	489.9	485.8	490.1
Gas	711.0	800.6	1,080.7	1,163.4	1,025.1	1,139.5	1,290.8	1,076.2

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