



**CONSTANT PRICE ESTIMATES
OF
MANUFACTURING PRODUCTION
1978-79**

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**CONSTANT PRICE ESTIMATES
OF
MANUFACTURING PRODUCTION
1978-79**

(Previously: Indexes of Manufacturing Production)

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EXPLANATORY NOTES

Introduction

This publication presents annual estimates of gross product at factor cost at constant prices for the years 1968-69 to 1978-79. They relate to the manufacturing sector, Division C of the Australian Standard Industrial Classification (ASIC), and are presented for each of the 12 subdivisions within the manufacturing division, for most ASIC groups, and for a large proportion of ASIC classes. In previous issues of this publication the constant price gross product series were presented as index numbers with a base of 1000, whereas in this issue they are shown in terms of values at constant prices. The change in presentation was made in order to facilitate comparisons between estimates based on the 1969 edition of ASIC and estimates based on the revised (1978) edition of ASIC which was introduced in respect of 1977-78. For 1977-78, estimates are published, where possible, according to both the 1969 and the 1978 editions of ASIC; for the years 1968-69 to 1976-77 the estimates are classified according to the 1969 edition of ASIC only and for 1978-79 they are on the basis of the 1978 edition of ASIC only. The compilation of the estimates is based on two principal data sources: the annual Census of Manufacturing Establishments, and price data collected by the ABS for the monthly price indexes of articles produced by manufacturing industry. The meaning and measurement of production at constant prices and the limitations and qualifications to which the estimates are subject are discussed in detail in *Australian National Accounts: Concepts, Sources and Methods* (5216.0).

2. The estimates in this issue represent, in principle, an updating of the indexes previously published in *Indexes of Factory Production, 1949-50 to 1967-68* (Reference No. 12.5, published in June 1970). However, those estimates were based on data collected in the Annual Factory Censuses which were conducted by the ABS for years prior to 1968-69, and they are not directly comparable with the estimates presented in this publication. The Censuses of Manufacturing Establishments conducted for years from 1968-69 onwards form part of an integrated system involving some changes to concepts and definitions and the adoption of ASIC. Therefore, it is not possible to compile, on a consistent basis, production indexes by manufacturing industry class extending back to years prior to 1968-69. However, it has been possible to substantially overcome this break in the series at the broadest level, that is at the manufacturing division level. For the period 1966-67 to 1978-79, estimates of total manufacturing gross product at average 1974-75 prices were published in *Australian National Accounts: Gross Product by Industry at Current and Constant Prices, 1979-80* (5211.0).

Changes in this issue

3. Since the last (1975-76) issue of this publication there have been three major changes, viz:

- a rebase from average 1968-69 prices to average 1974-75 prices;
- the use of the revised (1978) ASIC for the estimates for 1977-78 and 1978-79; and
- as a result of the need to provide a link in the series between the 1969 and 1978 editions of ASIC, a change in the presentation of the estimates from index numbers (with a base of 1000) to values at constant prices.

4. During the rebase process the methodology used to derive the estimates was reviewed. Thus the differences between the growth rates exhibited by the estimates at average 1974-75 prices and the previously published indexes based on average 1968-69 prices are attributable to two sources:

- the difference between the relative prices of manufactured commodities in 1974-75 compared to 1968-69; and
- the use of new methodologies in revaluing the current price estimates.

Methods of compilation of the estimates

5. The scope of the estimates in this publication is the manufacturing division of ASIC. Accordingly, they are 'industry-based' rather than 'activity-based', that is, the estimates for the total manufacturing division fleet production will reval all establishments which are predominantly engaged in activities classified as primary to the manufacturing division of ASIC. Consequently, they will reflect some non-manufacturing activity, e.g. wholesaling carried out by manufacturing establishments and, conversely, will exclude any manufacturing activity carried out by establishments primarily engaged in non-manufacturing activity.

6. For the years 1968-69 to 1976-77, the estimate of gross product at average 1974-75 prices for each ASIC class was derived by extrapolating gross product at factor cost in 1974-75 by a series of output at average 1974-75 prices. These ASIC class estimates of constant price gross product were summed to obtain estimates for ASIC groups, subdivisions and the total manufacturing division.

7. The 1978 edition of ASIC was used for the publication of results from the 1977-78 Census of Manufacturing Establishments. However, data from the 1977-78 census were also classified according to the 1969 edition of ASIC. The constant price gross product estimate for 1977-78 for each 1969 edition ASIC class was derived in the same manner as the estimates for the years 1968-69 to 1976-77 (see previous paragraph). The 1977-78 estimate of constant price gross product for each 1978 edition ASIC class was derived from the estimate(s) for the most comparable 1969 edition ASIC class(es) by applying a factor derived from an analysis of the 1977-78 census data classified according to both editions of ASIC. The 1978-79 estimate of constant price gross product for each ASIC class was derived by extrapolating the 1977-78 estimate of constant price gross product for each 1978 edition ASIC class by a series of output at average 1974-75 prices.

8. Data collection cut-offs have applied for the 1975-76 and subsequent Censuses of Manufacturing Establishments. The estimates of gross product at constant prices for these years have been adjusted so that a consistent time series is maintained.

9. In the manufacturing censuses, output is obtained as the sum of a number of components, namely, sales and transfers out of goods, all other operating revenue, capital work done for own use or for rental or lease, and changes in stocks of work-in-progress and finished goods. These components were revalued separately for each ASIC class. The following paragraphs describe the methods used to revalue the components of output.

Sales and transfers out of goods by the establishment of manufacture

10. Details of values and quantities (where available) of individual goods sold and transferred out, classified by ASIC industry of manufacture, were obtained from annual manufacturing censuses. Most of the revaluation of these values was achieved by direct revaluation using the price deflation method. Approximately 700 individual price indexes of articles produced by the manufacturing sector were used for this purpose. Upwards of 80 per cent of the total value of sales and transfers out of goods was revalued by this method while quantity revaluation accounted for less than 10 per cent of the value; the proportion remaining was revalued using implicit price deflators.

11. In each case the basis of the price index used for revaluation was compatible with the basis of recording manufacturers' sales of goods (and output) in the manufacturing censuses. Moreover, the price series relate to goods of fixed specifications, that is, they exclude, as far as possible, price changes associated with changes in quality. For most commodities the price indexes used are based on manufacturers' selling prices exclusive of excise and sales tax and reflect the effects of subsidies and bounties paid to manufacturers. These prices reflect industry selling practices. For example, if costs of handling and distribution are included in the manufacturer's selling price this is the price used in the index. Where handling and distribution charges are paid separately (i.e. to another entity) by the purchaser the prices used exclude such charges.

12. While direct revaluation was used to revalue in excess of 90 per cent of the total value of goods sold or transferred out by manufacturing establishments this proportion was considerably lower in a number of individual ASIC classes. The balance of the value of each ASIC class was revalued using the implicit price deflator of the directly revalued commodities of the ASIC class.

Sales and transfers out of goods manufactured by other establishments

13. No commodity data are available from the annual censuses for this component of output which contributes less than 4 per cent to total sales and transfers out of goods. This component for each ASIC class was revalued by the implicit price deflator for the component 'sales and transfers out of goods by the establishment of manufacture'.

All other operating revenue

14. This component comprises mainly revenue from commission charges for manufacturing work done on customers' materials, and repair, installation and service revenue. Where it contributed less than 5 per cent of the total value of output of the class concerned revaluation by the implicit price deflator of sales and transfers out of goods was used. For those classes where the contribution was greater than 5 per cent the method of revaluation, generally speaking, was by price indexes appropriate to the major source of the revenue.

Capital work done for own use or for rental or lease

15. This component, which comprises the wage and material costs of capital work carried out, was revalued by a fixed weighted index of wage rates and prices of materials used.

Increase in stocks of finished goods and work-in-progress

16. Opening and closing stocks for each ASIC class were revalued by manufacturers' selling price indexes relating to the major commodities held in stocks; the estimate of increase in stocks at constant prices was obtained as the difference between revalued opening stocks and revalued closing stocks.

Presentation of the estimates

17. Estimates are shown in the table for the total manufacturing division of ASIC and for the component subdivisions, groups and classes except where:

- (a) separate estimates cannot be published for reasons of confidentiality, or
- (b) an unacceptably low proportion of output is directly revalued.

18. As previously mentioned, the introduction of the 1978 edition of ASIC has resulted in a discontinuity in the series in 1977-78. Apart from 1977-78, it is not possible to directly convert series derived using the 1978 edition of ASIC to a basis consistent with the 1969 edition of ASIC or vice versa. To provide a link between the estimates based on the different editions of ASIC, estimates for 1977-78 have been prepared on the basis of both editions. Industry class estimates of constant price gross product from 1968-69 to 1977-78 are on the basis of the 1969 edition of ASIC and for 1977-78 and 1978-79 are on the basis of the 1978 edition of ASIC. In this publication the estimates have been presented with the ASIC classes and groups from each edition of ASIC grouped in such a way as to reflect the broad alignment between groups and classes as set out in Table 2 of the *ABS publication Australian Standard Industrial Classification: Key Between the 1978 and 1969 Editions of ASIC* (1209.0).

19. Since a Census of Manufacturing Establishments was not undertaken in 1970-71 it was not possible to derive reliable estimates at the ASIC class and group level for that year. However, estimates of constant price output for 1970-71 for each ASIC subdivision were obtained by interpolation between 1969-70 and 1971-72 estimates. Where possible, monthly production data were used for interpolation. However, in many cases, the interpolation was based entirely on trend.

Future revisions

20. The methods used in deriving the present estimates of industry gross product at average 1974-75 prices will be reviewed as part of a forthcoming rebase which will produce estimates at average 1979-80 prices. Rebased production estimates will be published in the next issue of this publication.

Related publications

21. Users may also wish to refer to the following publications:

Australian National Accounts: Gross Product by Industry at Current and Constant Prices, 1979-80 (5211.0).

Australian National Accounts: Concepts, Sources and Methods (5216.0).

Manufacturing Establishments: Details of Operations by Industry Class, Australia, 1978-79 (8203.0).

Manufacturing Commodities: Principal Articles Produced, Australia, 1979-80 (8303.0).

Price Indexes of Articles Produced by Manufacturing Industry, Australia (6412.0)—issued monthly.

Australian Standard Industrial Classification: Key Between the 1978 and 1969 Editions of ASIC (1209.0).

22. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The *Catalogue* and *Publications Advice* are available from any ABS office.

Symbols and other usages

- n.p. not available for separate publication, but included in totals where applicable. Significance should not be given to figures that can be derived
- ... not applicable
- n.e.c. not elsewhere classified.

23. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES
(\$ Million)

ASIC Code(a)		Industry class	1968-69	1969-70	1970-71(b)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	
1969 edition	1978 edition													
FOOD, BEVERAGES AND TOBACCO														
Meat products—														
2111		Meat and abattoir by-products	262.7	293.2		349.6	388.7	328.7	355.5	419.8	429.2	n.p.		
2114		Casings of animal origin	5.7	7.1		8.5	8.3	6.5	6.5	6.7	6.6	n.p.		
	2115	Meat (except smallgoods or poultry)										461.4	456.3	
2112		Fresh and frozen poultry	29.2	34.8		39.0	40.1	44.7	42.6	44.9	49.1	54.6		
	2116	Poultry										54.7	58.0	
2113		Bacon, ham and smallgoods	54.8	56.3		60.6	63.6	62.9	62.1	61.8	64.1	65.0		
	2117	Bacon, ham and smallgoods n.e.c.										65.1	69.7	
211		Total meat products	352.4	391.4		437.7	500.7	442.8	466.7	533.2	549.0	n.p.		
	211	Total meat products										581.2	584.0	
Milk products—														
2121		Liquid milk and cream	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
	2121	Liquid milk and cream										100.9	109.4	
2122		Butter	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
	2122	Butter										43.2	42.7	
2123		Cheese	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
	2123	Cheese										36.7	41.5	
2124		Ice cream and other frozen confections	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
	2124	Ice cream and frozen confections										35.2	35.5	
2125		Milk products n.e.c.	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
	2125	Milk products n.e.c.										27.3	24.5	
212		Total milk products	223.4	237.6		229.4	241.3	249.4	243.2	238.7	240.8	242.7		
	212	Total milk products										243.3	253.6	
Fruit and vegetable products—														
2131		Fruit products	54.6	64.1		62.4	68.6	67.8	63.3	57.6	55.1	57.4		
	2131	Fruit products										58.3	63.4	
2132		Vegetable products	71.6	72.3		77.9	80.8	92.8	86.4	86.3	89.1	86.4		
	2132	Vegetable products										84.9	90.0	
213		Total fruit and vegetable products	126.2	136.4		140.3	149.4	160.6	149.7	143.9	144.2	143.8		
	213	Total fruit and vegetable products										143.2	153.4	
214		Margarine and oils and fats n.e.c.	25.8	28.0		33.0	39.8	45.9	46.1	48.7	49.6	54.5		
	214	Margarine and oils and fats n.e.c.										54.5	57.2	
Flour mill and cereal food products—														
2151		Flour mill products	40.9	42.1		42.0	39.1	38.5	38.2	37.8	36.6	36.0		
	2151	Flour mill products										36.2	33.7	
2152		Starch, gluten and starch sugars	5.2	5.8		7.0	7.4	8.1	7.6	7.1	8.5	n.p.		
	2152	Starch, gluten and starch sugars										8.0	8.5	
2153		Cereal foods and baking mixes	39.1	41.7		41.4	45.2	50.1	51.9	52.2	51.8	n.p.		
	2153	Cereal foods and baking mixes										54.9	55.5	
215		Total flour mill and cereal food products	85.2	89.6		90.4	91.7	96.7	97.7	97.1	96.9	99.2		
	215	Total flour mill and cereal food products										99.1	97.7	

For footnotes see end of table.

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES - continued
(5 Million)

ASIC Code(s)		1969 edition 1978 edition Industry class	1968-69	1969-70	1970-71(h)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
2161		Bread, cakes and biscuits—											
	2161	Bread	154.9	165.9		162.3	160.9	158.7	141.6	139.8	145.1	145.2	
		Bread										145.1	148.5
2162		Cakes and pastries	54.7	57.6		60.1	60.5	54.8	57.7	61.6	66.9	67.6	
	2162	Cakes and pastries										68.5	69.0
2163		Biscuits	52.9	54.7		59.6	56.2	59.9	58.3	56.9	58.5	60.1	
	2163	Biscuits										60.2	59.8
216		Total bread, cakes and biscuits	262.5	278.2		282.0	277.6	273.4	257.6	258.3	270.5	272.9	
	216	Total bread, cakes and biscuits										273.8	277.4
		Other food products—											
2171		Raw sugar											
2172		Refined sugar	432.1	369.2		380.6	391.6	333.6	352.3	355.6	394.5	394.2	
2184		Food products n.e.c.											
	2171	Raw sugar										389.1	381.0
	2176	Food products n.e.c.											
2181		Confectionery and cocoa products	60.8	65.7		71.1	73.2	79.2	79.6	76.6	75.6	73.3	
	2173	Confectionery and cocoa products										73.3	78.5
2182		Canned fish and other seafoods	4.1	4.3		6.3	5.9	6.4	6.6	5.6	5.3	6.5	
	2174(c)	Processed seafoods										21.2	29.5
2183		Prepared animal and bird foods	40.1	45.1		51.2	53.7	62.2	62.7	65.6	69.2	71.4	
	2175	Prepared animal and bird foods										72.1	75.4
217		Total sugar	537.1	484.3		509.2	524.4	481.4	501.2	503.4	544.6	545.4	
218		Total other food products										555.7	564.4
	217	Total other food products											
		Beverages and malt—											
2191		Soft drinks, cordials and syrups	61.9	69.8		78.4	87.7	97.2	95.7	102.3	110.2	114.5	
	2185	Soft drinks, cordials and syrups										114.5	111.8
2192		Beer	110.8	117.3		136.5	147.1	159.9	167.5	167.1	169.5	180.7	
	2186	Beer										180.7	178.2
2193		Malt	10.5	11.0		15.2	13.5	14.7	16.8	14.8	14.9	15.7	
	2187	Malt										15.7	18.5
2194		Wine and brandy	34.1	40.2		42.7	51.4	63.9	67.6	61.2	72.3	68.5	
	2188	Wine and brandy										68.6	77.9
2195		Alcoholic beverages n.e.c.	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
	2189	Alcoholic beverages n.e.c.										n.p.	n.p.
219		Total beverages and malt	219.6	241.1		276.1	303.8	340.8	353.0	350.6	372.6	385.8	
	218	Total beverages and malt										383.8	389.2
221		Tobacco products	87.0	94.8		109.3	114.3	99.7	103.8	94.1	88.8	92.1	
	219	Tobacco products										92.1	93.4
21-22		Total food, beverages and tobacco	1,919.2	1,981.4	2,043.3	2,127.4	2,243.0	2,190.7	2,219.0	2,260.0	1,357.0	2,418.5	
	21	Total food, beverages and tobacco										2,436.7	2,470.2

For footnotes see end of table

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES—continued
(\$ Million)

ASIC Code(a)		1969 edition	1978 edition	Industry class	1968-69	1969-70	1970-71(h)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
TEXTILES															
2311				Textile fibres, yarns and woven fabrics—											
	2341			Cotton ginning	3.6	3.0		3.0	3.4	2.2	2.7	2.9	1.5	3.6	
2312				Cotton ginning	..	..	..	..	..	..	..	..	..	3.6	3.3
2313				Scoured and carbonised wool	14.7	16.1	12.4	10.1	9.8	10.7	13.3	14.7	n.p.	..	..
2313				Wool and man-made fibre tops	17.6	16.7	12.1	13.2	10.8	7.0	10.2	10.5	13.6	..	..
	2342			Wool scouring and top making	..	..	..	..	..	..	..	..	19.4	21.1	..
2314				Man-made fibres and yarns	35.7	42.1	45.9	53.0	58.1	39.2	45.1	38.3	32.1	..	..
	2343			Man-made fibres and yarns	..	..	..	..	..	..	..	..	32.1	33.7	..
2315				Man-made fibre broadwoven fabrics	21.2	22.6	21.6	26.3	32.6	24.7	28.1	28.3	n.p.	..	..
	2344			Man-made fibre broadwoven fabrics	..	..	..	..	..	..	..	..	30.1	32.2	..
2316				Cotton yarns and broadwoven fabrics	57.3	58.8	58.7	58.5	65.3	53.3	55.2	51.8	50.6	..	..
	2345			Cotton yarns and broadwoven fabrics	..	..	..	..	..	..	..	..	50.6	57.9	..
2317				Worsted yarns and broadwoven fabrics	38.1	36.5	35.5	30.8	29.2	19.7	22.3	18.6	17.9	..	..
	2346			Worsted yarns and broadwoven fabrics	..	..	..	..	..	..	..	..	17.9	22.1	..
2318				Woollen yarns and broadwoven fabrics	27.4	30.6	29.1	28.3	30.3	21.6	22.7	25.5	25.5	..	..
	2347			Woollen yarns and broadwoven fabrics	..	..	..	..	..	..	..	..	25.5	25.9	..
2319				Narrow woven and elastic fabrics	10.2	11.6	12.5	11.8	14.0	10.7	11.7	12.1	11.8	..	..
	2348			Narrow woven and elastic textiles	..	..	..	..	..	..	..	..	11.8	12.5	..
2321				Textile finishing	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..	..
	2349			Textile finishing	..	..	..	..	..	..	..	..	n.p.	n.p.	..
2322				Household textiles (except floor coverings)	11.7	12.0	11.7	15.2	20.8	17.9	17.3	17.9	19.8	..	..
	2351(d)			Household textiles	..	..	..	..	..	..	..	..	19.8	22.8	..
231-232				Total textiles, yarns and woven fabrics	263.1	278.3	266.9	279.1	301.2	231.1	259.7	248.0	241.4	..	..
	234(e)			Total textile fibres, yarns and woven fabrics	..	..	..	..	..	..	..	..	218.5	240.4	..
2331				Other textile products—											
	2352			Textile floor coverings	21.2	23.1	30.7	38.2	48.7	40.3	54.1	48.0	43.5	..	..
				Textile floor coverings	..	..	..	..	..	..	..	..	43.5	45.4	..
2332				Felt and felt products	6.7	10.1	9.6	11.2	12.8	12.6	9.0	8.4	7.3	..	..
	2353			Felt and felt products	..	..	..	..	..	..	..	..	7.3	7.5	..
2333				Canvas and associated products n.e.c.	18.4	19.6	16.9	18.5	20.9	18.9	20.2	19.2	17.8	..	..
	2354			Canvas and associated products n.e.c.	..	..	..	..	..	..	..	..	17.7	16.0	..
2334				Rope, cordage and twine	14.7	13.2	13.3	12.0	13.3	10.0	8.7	9.0	8.1	..	..
	2355			Rope, cordage and twine	..	..	..	..	..	..	..	..	8.1	7.9	..
2335				Textile products n.e.c.	24.8	24.5	28.3	24.6	27.5	26.4	27.6	30.9	32.0	..	..
	2356			Textile products n.e.c.	..	..	..	..	..	..	..	..	32.0	35.5	..
233				Total other textile products	83.8	90.3	98.8	104.3	123.2	108.2	119.6	115.5	108.7	..	..
	235(f)			Total other textile products	..	..	..	..	..	..	..	..	128.4	135.1	..
23				Total textiles	386.9	368.8	373.8	365.7	383.4	424.4	339.3	379.3	363.5	366.1	..
	23			Total textiles	..	..	..	..	..	..	..	..	..	346.9	378.8

For footnotes see end of table

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES—continued
(\$ Million)

ASIC Code(a)		Industry class	1968-69	1969-70	1970-71(b)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
CLOTHING AND FOOTWEAR													
2411		Knitting mills—											
	2441	Hosiery	23.6	26.8		29.5	29.0	31.1	26.0	31.0	25.8	24.2	..
		Hosiery	..	..	..	..	..	..	..	..	..	34.2	25.3
2412		Cardigans and pullovers	43.1	45.2		43.1	47.0	46.8	40.6	46.7	47.7	52.4	..
	2442	Cardigans and pullovers	..	..	..	..	..	..	..	..	..	52.3	48.0
2413		Knitted goods n.e.c.	31.9	37.0		45.1	47.5	48.4	40.9	46.8	49.0	45.9	..
	2443	Knitted goods n.e.c.	..	..	..	..	..	..	..	..	..	46.0	48.4
241		Total knitting mills	98.6	109.0		117.7	123.5	126.3	107.5	124.5	122.5	122.5	..
	244	Total knitting mills	..	..	..	..	..	..	..	..	..	122.5	121.7
Clothing—													
2421		Womens and girls blouses and frocks	69.1	71.8		82.3	80.9	83.9	70.5	71.6	72.5	76.4	..
2422		Womens and girls outerwear n.e.c.	42.3	45.1		43.7	48.4	46.8	45.9	51.2	46.9	48.6	..
	2453	Womens outerwear n.e.c.	..	..	..	..	..	..	..	..	..	124.6	134.9
2423		Mens and boys trousers and shorts; work clothing	48.4	49.8		56.8	62.3	75.8	68.9	68.7	66.3	60.2	..
	2451	Mens trousers and shorts; work clothing	..	..	..	..	..	..	..	..	..	61.5	64.6
2424		Mens and boys suits and coats; waterproof clothing	51.9	51.9		50.8	45.0	47.2	41.2	41.7	40.7	36.1	..
	2452	Mens suits and coats; waterproof clothing	..	..	..	..	..	..	..	..	..	36.1	39.4
2425		Underwear, nightwear, shirts and infants clothing n.e.c.	81.2	84.8		80.2	88.5	96.3	79.7	78.0	71.8	n.p.	..
	2455	Underwear and infants clothing n.e.c.	..	..	..	..	..	..	..	..	..	71.1	72.3
2426		Foundation garments	20.4	19.5		22.3	22.3	25.1	20.6	21.9	19.8	20.4	..
	2454	Foundation garments	..	..	..	..	..	..	..	..	..	20.0	21.6
2427		Headwear	39.1	39.9		36.2	35.5	38.5	34.2	30.0	24.3	24.6	..
2428		Clothing n.e.c.	..	..	..	..	..	..	..	..	..	25.7	30.9
	2456	Head wear and clothing n.e.c.	..	..	..	..	..	..	..	..	..	..	..
242		Total clothing	352.4	364.8		372.3	382.9	413.6	361.0	363.1	344.3	338.3	..
	245	Total clothing	..	..	..	..	..	..	..	..	..	339.0	363.7
Footwear—													
2431		Rubber footwear	132.2	137.8		138.1	120.6	124.0	100.5	97.9	90.2	97.5	..
2432		Footwear n.e.c.	..	..	..	..	..	..	..	..	..	97.0	106.8
	2460	Footwear	..	..	..	..	..	..	..	..	..	..	..
243		Total footwear	132.2	137.8		138.1	120.6	124.0	100.5	97.9	90.2	97.5	..
	246	Total footwear	..	..	..	..	..	..	..	..	..	97.0	106.8
24		Total clothing and footwear	583.3	611.6	627.4	628.1	627.8	663.9	569.8	585.5	557.8	588.3	..
	24	Total clothing and footwear	..	..	..	..	..	..	..	..	..	588.5	592.1

For footnotes see end of table.

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES—continued
(\$ Million)

ASIC Code(a)		Industry class	1968-69	1969-70	1970-71(b)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
WOOD, WOOD PRODUCTS AND FURNITURE													
2511	2531	Wood and wood products— Log sawmilling	157.1	156.2		152.7	157.5	163.7	157.7	149.0	147.7	140.8	141.2
2512	2532	Resawn and dressed timber	91.4	93.2		81.6	87.0	96.5	91.6	98.0	96.5	89.9	92.0
2513	2533	Plywood and manufactured boards Veneers and manufactured boards of wood	60.7	68.2		69.4	74.7	81.5	67.1	73.0	78.5	78.3	
2514	2534	Joinery and wooden structural fittings	143.5	154.4		143.3	156.6	158.1	135.5	148.4	152.7	143.1	12.8
	2535	Wooden doors										12.4	132.7
		Wooden structural fittings and joinery n.e.c.										128.3	
2515	2536	Wooden containers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2516	2537	Wood, cork, etc. products n.e.c.	26.4	29.4		34.7	42.0	47.3	46.9	45.7	50.8	49.7	21.8
	2538	Hardwood woodchips										27.8	28.0
		Wood products n.e.c.											
251	253	Total wood and wood products	494.2	517.6		497.4	531.1	561.1	510.9	525.0	537.5	511.8	525.9
		Total wood and wood products										509.5	
Furniture and mattresses—													
2521	2541	Furniture (except sheet metal)	165.9	174.4		181.8	209.4	219.5	196.7	198.6	205.3	203.0	213.0
2522	2542	Furniture (except sheet metal)											
		Mattresses (except rubber or wire)	15.5	16.5		14.3	16.8	19.4	20.0	22.7	23.9	25.3	26.4
		Mattresses (except rubber)										25.3	
252	254	Total furniture and mattresses	181.4	190.9		196.1	226.2	238.9	216.7	221.3	229.2	228.3	239.4
		Total furniture and mattresses										229.1	
25	25	Total wood, wood products and furniture	675.6	708.5	701.4	693.5	757.3	800.0	727.6	746.3	766.7	740.1	765.3
		Total wood, wood products and furniture										738.6	
PAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING													
Paper and paper products—													
2611	2631	Pulp, paper and paperboard	111.6	125.4		129.8	133.2	160.6	142.3	141.3	145.5	n.p.	150.1
		Pulp, paper and paperboard										141.9	
2612	2632	Paper bags (including textile bags)	24.2	27.2		31.4	32.0	30.9	29.4	27.7	27.1	27.4	28.1
		Paper bags (including textile bags)											
2613	2633	Solid fibreboard containers	43.1	40.1		44.6	46.8	50.0	53.2	48.8	53.8	n.p.	54.9
		Solid fibreboard containers										55.5	
2614	2634	Corrugated fibreboard containers	54.4	57.4		66.2	69.3	75.1	72.0	74.8	76.6	81.5	84.4
		Corrugated fibreboard containers										81.8	
2615	2635	Paper products n.e.c.	45.5	51.1		58.2	59.3	62.8	58.4	54.1	54.8	n.p.	58.0
		Paper products n.e.c.										55.8	
261	263	Total paper and paper products	278.8	301.2		330.2	340.6	379.4	355.3	346.7	357.8	362.4	375.5
		Total paper and paper products										362.4	

For footnotes see end of table.

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES—continued
(\$ Million)

ASIC Code(a)		Industry class	1968-69	1969-70	1970-71(b)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
1969 edition	1978 edition												
2621		Printing and allied industries— Publishing (including printing and publishing)	269.5	271.6		274.4	299.4	330.6	332.7	346.5	372.2	389.3	..
	2641	Publishing	..	..	..	..	..	..	..	..	..	92.5	101.0
	2642	Printing and publishing	..	..	..	..	..	..	..	..	..	293.0	289.9
2622		Commercial and job printing (including stationery and bookbinding)	264.1	303.7		303.9	324.5	351.6	341.3	312.1	324.8	333.8	..
	2643	Paper stationery	..	..	..	..	..	..	..	..	..	96.1	104.6
	2644	Printing and bookbinding	..	..	..	..	..	..	..	..	..	241.2	259.0
2623		Printing trade services n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	2645	Printing trade services n.e.c.	..	..	..	..	..	..	..	..	..	n.p.	n.p.
262		Total printing and publishing	567.6	610.1		618.0	666.0	730.0	712.2	696.1	737.1	764.3	..
	264	Total printing and allied industries	..	..	..	..	..	..	..	..	..	764.0	799.0
26		Total paper and paper products, printing and publishing	846.4	911.3	929.9	948.3	1,006.6	1,109.4	1,067.5	1,042.8	1,094.9	1,126.7	..
	26	Total paper, paper products printing and publishing	..	..	..	..	..	..	..	..	..	1,126.4	1,174.5
CHEMICAL, PETROLEUM AND COAL PRODUCTS													
2711		Basic chemicals— Chemical fertilizers	64.6	72.9		68.2	87.9	95.0	82.9	73.2	95.8	96.6	..
	2751	Chemical fertilizers	..	..	..	..	..	..	..	..	..	96.2	112.7
2712		Industrial gases	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	2752	Industrial gases	..	..	..	..	..	..	..	..	..	n.p.	n.p.
2713		Plastic materials, synthetic resins and synthetic rubber	51.6	57.4		67.8	79.6	101.1	91.8	92.2	102.3	n.p.	..
	2753	Synthetic resins and rubber	..	..	..	..	..	..	..	..	..	111.9	124.5
2714		Organic industrial chemicals n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	2754	Organic industrial chemicals n.e.c.	..	..	..	..	..	..	..	..	..	n.p.	n.p.
2715		Inorganic industrial chemicals n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	2755	Inorganic industrial chemicals n.e.c.	..	..	..	..	..	..	..	..	..	n.p.	n.p.
271		Total basic chemicals	243.9	275.6		284.2	320.2	370.8	334.3	322.2	365.3	369.2	..
	275	Total basic chemicals	..	..	..	..	..	..	..	..	..	373.8	410.6
2721		Other chemical products— Ammunition, explosives and fireworks	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	2761	Ammunition, explosives and fireworks	..	..	..	..	..	..	..	..	..	n.p.	n.p.
2722		Paints, varnishes and lacquers	63.2	69.8		70.9	76.1	82.6	74.5	77.5	75.2	n.p.	..
	2762	Paints	..	..	..	..	..	..	..	..	..	75.8	78.3
2723		Pharmaceutical and veterinary products	67.9	76.0		99.5	109.7	122.8	132.3	132.5	140.5	149.8	..
	2763	Pharmaceutical and veterinary products	..	..	..	..	..	..	..	..	..	150.2	167.7
2724		Pesticides and agricultural chemicals	13.3	15.1		16.2	16.5	21.8	24.2	21.4	30.9	36.8	..
	2764	Pesticides	..	..	..	..	..	..	..	..	..	36.4	46.5
2725		Soap and other detergents	53.6	54.8		60.3	61.9	68.9	71.1	78.1	83.1	83.3	..
	2765	Soap and other detergents	..	..	..	..	..	..	..	..	..	83.2	88.0

For footnotes see end of table.

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES - continued
(\$ Million)

ASIC Code(s)		Industry class	1968-69	1969-70	1970-71(b)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
1969 edition	1978 edition												
2726		Other chemical products—continued—											
	2766	Cosmetics and toilet preparations	45.4	51.4	55.2	58.0	68.2	75.9	76.1	82.6	83.1	82.1	78.5
2727		Cosmetics and toilet preparations	8.8	9.5	10.0	11.9	14.0	13.0	13.4	14.4	14.9	14.9	15.7
2728		Chemical products n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
	2768	Chemical products n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
272		Total other chemical and related products	332.4	366.5	399.9	425.7	470.1	471.4	479.6	508.0	534.2	535.6	565.9
	276	Total other chemical products	..	..	..	..	..	..	..	..	..	..	..
273		Petroleum refining	109.7	109.4	126.7	125.1	132.4	114.9	108.9	124.0	128.1	128.1	116.4
	277	Petroleum refining	..	..	..	..	..	..	..	..	..	..	..
274		Petroleum and coal products n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
	278	Petroleum and coal products n.e.c.	..	..	..	..	..	..	..	..	..	..	..
27		Total chemical, petroleum and coal products	697.8	764.9	786.1	834.8	886.4	986.5	932.1	921.3	1,006.1	1,037.7	..
	27	Total chemical, petroleum and coal products	..	..	..	..	..	..	..	..	..	1,043.3	1,099.3
NON-METALLIC MINERAL PRODUCTS													
281		Glass and glass products	81.3	82.4	88.6	96.8	110.0	105.2	107.2	123.1	123.2	111.4	112.4
	283	Glass and glass products	..	..	..	..	..	..	..	..	..	..	..
2821		Clay products and refractories—	89.6	98.7	106.5	112.6	123.9	110.0	113.9	116.6	110.4	80.5	99.8
	2861	Clay bricks	..	..	..	..	..	..	..	..	..	..	..
	2862	Refractories	..	..	..	..	..	..	..	..	..	19.9	19.5
2822		Ceramic construction goods	35.3	37.8	37.7	39.4	44.3	43.1	36.6	34.0	30.7	30.7	29.4
	2863	Ceramic tiles and pipes	..	..	..	..	..	..	..	..	..	..	..
2823		China and other ceramic goods n.e.c.	19.6	19.4	20.8	22.5	24.5	22.5	20.7	22.6	22.1	22.1	24.4
	2864	Ceramic goods n.e.c.	..	..	..	..	..	..	..	..	..	..	..
282		Total clay products	144.5	155.9	165.0	174.5	192.7	175.6	171.2	173.2	163.2	163.2	173.1
	286	Total clay products and refractories	..	..	..	..	..	..	..	..	..	..	..
2831		Cement and concrete products—	59.6	64.6	66.6	70.2	77.5	75.3	78.7	83.9	n.p.	n.p.	85.4
	2871	Cement	..	..	..	..	..	..	..	..	..	..	..
2832		Ready mixed concrete	36.6	42.0	50.0	55.3	59.2	57.2	58.2	56.7	57.3	57.2	60.9
	2872	Ready mixed concrete	..	..	..	..	..	..	..	..	..	..	..
2833		Concrete pipes	36.1	35.9	37.1	44.5	43.2	39.6	33.3	n.p.	n.p.	n.p.	39.0
	2873	Concrete pipes and box culverts	..	..	..	..	..	..	..	..	..	..	..
2834		Concrete products (except pipes)	66.4	72.5	75.5	86.7	97.8	84.5	88.9	95.8	86.9	84.0	83.3
	2874	Concrete products n.e.c.	..	..	..	..	..	..	..	..	..	..	..
2835		Asbestos cement products	46.9	51.5	51.0	54.4	61.0	59.3	59.8	n.p.	n.p.	n.p.	..
	2884(d)	Non-metallic mineral products n.e.c.	..	..	..	..	..	..	..	..	..	..	..
283		Total cement and concrete products	245.6	266.5	280.2	311.1	338.7	315.9	318.9	334.5	322.8	322.8	268.6
	287(e)	Total cement and concrete products	..	..	..	..	..	..	..	..	..	262.6	268.6

For footnotes see end of table.

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES—continued
(\$ Million)

ASIC Code(s)		1969 edition	1978 edition	Industry class	1968-69	1969-70	1970-71(h)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
2841				Other non-metallic mineral products—	22.4	24.5		25.2	26.4	29.0	28.5	30.3	33.2	n.p.	..
	2881			Plaster products	..	..	..	..	..	..	..	..	..	n.p.	n.p.
				Plaster products and expanded minerals	..	..	..	..	..	..	..	..	..	n.p.	..
2842				Stone products	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
	2882			Stone products	..	..	..	..	..	..	..	..	..	n.p.	n.p.
	2883			Glass wool and mineral wool products	..	..	..	..	..	..	..	..	..	n.p.	n.p.
2835(d)				Asbestos cement products	73.1	79.8		80.8	87.5	93.4	91.2	90.2	98.1	n.p.	..
2843				Non-metallic mineral products n.e.c.	..	..	..	..	..	..	..	..	..	82.3	81.3
	2884			Non-metallic mineral products n.e.c.	..	..	..	..	..	..	..	..	..	..	..
284(e)				Total other non-metallic mineral products	57.3	61.8		63.8	68.4	72.2	67.3	67.9	74.8	71.1	143.1
	288			Total other non-metallic mineral products	..	..	..	..	..	..	..	..	..	141.2	..
38				Total non-metallic mineral products	528.9	566.6	574.5	597.5	608.8	713.6	664.9	665.2	705.6	688.3	..
	38			Total non-metallic mineral products	..	..	..	..	..	..	..	..	..	678.4	697.2
BASIC METAL PRODUCTS															
				Basic iron and steel—											
2911(g)				Iron ore pelletising and metallising	8.3	9.3		10.6	14.8	17.2	15.8	16.4	16.3	17.2	..
2912				Iron and steel basic products	635.5	667.3		618.6	696.0	739.7	717.9	633.2	697.7	675.0	..
	2941			Iron and steel basic products	..	..	..	..	..	..	..	..	..	648.3	732.5
2913				Iron and steel castings and forgings	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
	2942			Iron casting	..	..	..	..	..	..	..	..	..	n.p.	n.p.
	2943			Steel casting	..	..	..	..	..	..	..	..	..	n.p.	n.p.
	2944			Iron and steel forging	..	..	..	..	..	..	..	..	..	n.p.	n.p.
2914				Steel pipes and tubes	92.4	93.5		81.3	85.7	107.7	97.1	66.3	72.2	n.p.	72.6
	2945			Steel pipes and tubes	..	..	..	..	..	..	..	..	..	66.5	..
291				Total basic iron and steel	832.4	894.1		832.3	911.9	990.0	957.7	839.0	898.8	822.2	913.3
	294			Total basic iron and steel	..	..	..	..	..	..	..	..	..	..	..
				Basic non-ferrous metals—											
2921				Smelting and refining of copper	3.7	3.6		4.6	5.0	4.7	6.0	6.1	5.6	6.0	..
	2951			Copper smelting, refining	..	..	..	..	..	..	..	..	..	6.6	6.7
2922				Smelting and refining of silver, lead and zinc	..	..	..	..	..	..	..	..	..	..	..
2925				Smelting and refining of nickel	94.8	106.3		101.2	102.3	113.1	102.7	107.0	109.0	110.9	..
2926				Smelting and refining of non-ferrous metals n.e.c.	..	..	..	..	..	..	..	..	..	..	..
	2952			Silver, lead, zinc smelting, refining	..	..	..	..	..	..	..	..	..	110.9	112.5
	2955			Nickel smelting, refining	..	..	..	..	..	..	..	..	..	..	..
	2956			Non-ferrous metals n.e.c. smelting, re-fining	..	..	..	..	..	..	..	..	..	..	..
2923				Alumina	69.5	85.4		130.2	144.4	190.2	205.1	203.2	216.6	220.7	..
2924				Smelting of aluminium	..	..	..	..	..	..	..	..	..	220.7	222.0
	2953			Alumina	..	..	..	..	..	..	..	..	..	..	..
	2954			Aluminium smelting	..	..	..	..	..	..	..	..	..	..	..
2927				Rolling, drawing and extruding of aluminium	47.7	47.7		52.4	53.7	64.4	61.1	58.5	67.7	70.7	72.2
	2961			Aluminium rolling, drawing, extruding	..	..	..	..	..	..	..	..	..	70.7	72.2

For footnotes see end of table

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES—continued
(\$ MILLION)

ASIC Code(s)		Industry class	1968-69	1969-70	1970-71(h)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
2928		Basic non-ferrous metals—continued— Rolling, drawing and extruding of non-ferrous metals n.e.c.	34.4	38.5	39.3	38.1	40.4	47.5	31.0	34.1	38.0	..	..
	2962	Non-ferrous metals n.e.c. rolling, drawing, extruding	..	..	..	..	..	..	..	..	38.0	32.6	..
2929		Non-ferrous metal castings	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	2963	Non-ferrous metal casting	..	..	..	..	..	..	..	..	n.p.	n.p.	..
2931		Secondary recovery and alloying of non-ferrous metals n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..	..
	2957	Secondary recovery and alloying of non-ferrous metals n.e.c.	..	..	..	..	..	..	..	..	n.p.	n.p.	..
292-293		Total non-ferrous basic metal products	278.9	313.5	362.9	381.5	455.4	459.4	444.2	472.3	n.p.	359.8	359.8
	295	Total basic non-ferrous metals	..	..	..	..	..	..	..	..	354.7	354.7	..
	296	Total non-ferrous metal basic products	..	..	..	..	..	..	..	..	129.1	126.6	..
29		Total basic metal products	1,131.3	1,307.6	1,333.7	1,199.2	1,293.4	1,449.4	1,417.1	1,283.2	1,371.3	1,361.6	..
	29	Total basic metal products	..	..	..	..	..	..	..	..	..	1,366.0	1,399.7
FABRICATED METAL PRODUCTS													
3111		Structural metal products— Fabricated structural steel	189.6	196.8	186.6	170.7	178.3	166.7	144.1	150.4	154.9	169.5	197.2
	3141	Fabricated structural steel	..	..	..	..	..	..	..	..	..	..	..
3112		Architectural aluminum products	40.6	46.6	54.7	64.8	68.6	61.1	66.4	67.3	61.8	61.8	67.7
	3142	Architectural aluminum products	..	..	..	..	..	..	..	..	..	..	..
3113		Architectural metal products n.e.c.	23.1	26.7	29.1	30.3	27.8	21.7	19.6	22.0	25.7	26.8	31.0
	3143	Architectural metal products n.e.c.	..	..	..	..	..	..	..	..	..	..	..
3114		Boiler and plate work	53.2	54.6	57.0	67.4	78.8	66.6	60.9	66.1	66.3	42.6	36.5
	3166(d)	Boiler and plate work	..	..	..	..	..	..	..	..	..	..	..
311		Total fabricated structural metal products	306.5	324.7	327.4	333.2	353.5	316.1	291.0	305.8	308.7	258.1	295.9
	314(e)	Total structural metal products	..	..	..	..	..	..	..	..	..	..	..
3121		Sheet metal products— Metal containers	75.9	77.5	84.4	82.4	92.0	92.2	96.1	96.3	105.8	129.5	126.3
	3151	Metal containers	..	..	..	..	..	..	..	..	..	..	..
3122		Sheet metal furniture	26.4	27.0	28.0	25.0	31.8	26.3	29.1	30.7	31.9	31.9	36.9
	3152	Sheet metal furniture	..	..	..	..	..	..	..	..	..	..	..
3123		Sheet metal products n.e.c.	176.1	195.9	202.8	171.1	197.9	163.4	169.8	173.4	166.3	166.0	170.3
	3153	Sheet metal products n.e.c.	..	..	..	..	..	..	..	..	..	..	..
312		Total sheet metal products	278.4	300.4	315.2	278.5	321.7	281.9	295.0	300.4	304.0	327.4	333.3
	315	Total sheet metal products	..	..	..	..	..	..	..	..	..	..	..
3131		Other fabricated metal products— Cutlery and hand tools	20.3	21.3	23.5	27.1	26.8	27.0	28.7	27.9	n.p.	23.3	22.6
	3161	Cutlery and hand tools n.e.c.	..	..	..	..	..	..	..	..	..	..	..
3132		Springs and wire products	94.9	101.4	99.0	95.7	99.9	89.2	78.6	78.8	n.p.	84.5	85.4
	3162	Springs and wire products	..	..	..	..	..	..	..	..	..	..	..

For footnotes see end of table

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES *continued*
(**\$ Million**)

<i>ASIC Code(s)</i>		<i>1969 edition</i>	<i>1978 edition</i>	<i>Industry class</i>	<i>1968-69</i>	<i>1969-70</i>	<i>1970-71(b)</i>	<i>1971-72</i>	<i>1972-73</i>	<i>1973-74</i>	<i>1974-75</i>	<i>1975-76</i>	<i>1976-77</i>	<i>1977-78</i>	<i>1978-79</i>
Other fabricated metal products—															
<i>continued—</i>															
3133				Nuts, bolts, screws and rivets	38.6	38.2		45.1	47.3	58.1	46.3	41.4	41.0	42.2	
	3163			Nuts, bolts, screws and rivets	..	..		..	..	..	..	..	..	42.2	45.6
3134				Metal coating and finishing	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
	3164			Metal coating and finishing	..	..		..	..	..	..	..	..	56.4	62.7
3135				Steam, gas and water fittings	50.3	53.4		51.2	55.2	53.3	40.6	41.6	44.1	40.0	
	3165			Non-ferrous steam, gas and water fittings	..	..		..	..	..	..	..	..	40.0	43.8
3136				Metal blinds and awnings	16.7	19.2		22.2	23.0	21.5	20.5	20.5	21.4	21.1	
	3167			Metal blinds and awnings	..	..		..	..	..	..	..	..	21.1	24.0
3137				Fabricated metal products n.e.c.	145.6	168.6		177.1	192.6	192.0	181.3	163.2	158.4	147.3	
	3168			Fabricated metal products n.e.c.	..	..		..	..	..	..	..	..	147.4	157.8
313				Total other fabricated metal products	114.6	451.2		466.0	489.1	506.3	456.4	425.0	424.9	407.5	
	316(f)			Total other fabricated metal products	..	..		..	..	..	..	..	..	457.5	478.4
31				Total fabricated metal products	997.5	1,076.3	1,092.4	1,108.6	1,108.8	1,181.5	1,064.4	1,011.1	1,031.1	1,026.3	
	31			Total fabricated metal products	..	..	..	..	..	..	..	..	..	1,043.0	1,107.8
TRANSPORT EQUIPMENT															
Motor vehicles and parts—															
3211				Motor vehicles	450.6	510.0		523.8	514.8	545.5	529.6	479.3	535.4	484.8	
	3231			Motor vehicles	..	..		..	..	..	..	..	..	488.8	490.9
3212				Trucks and bus bodies, trailers and caravans	45.3	49.6		54.3	61.8	77.9	80.3	90.0	90.5	78.6	
	3232			Motor vehicle bodies, trailers, caravans	..	..		..	..	..	..	..	..	79.3	74.8
3213				Motor vehicle instruments and electrical equipment n.e.c.	28.6	32.8		38.0	38.3	45.3	34.5	35.5	38.3	37.6	
	3233			Motor vehicle instruments and electrical equipment n.e.c.	..	..		..	..	..	..	..	..	37.7	38.4
3214				Motor vehicle parts n.e.c.	168.2	194.0		222.4	229.0	254.7	225.7	220.2	233.5	213.2	
	3234			Motor vehicle parts n.e.c.	..	..		..	..	..	..	..	..	210.1	251.0
321				Total motor vehicles and parts	692.7	786.4		838.5	843.9	923.4	870.1	825.0	897.7	814.2	
	323			Total motor vehicles and parts	..	..		..	..	..	..	..	..	815.9	855.1
Other transport equipment—															
3221				Ship building and repair	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
	3241			Ships	..	..		..	..	..	..	..	..	n.p.	n.p.
3222				Boat building and repair	21.2	21.4		20.6	22.5	25.2	23.4	27.4	32.2	31.3	
	3242			Boats	..	..		..	..	..	..	..	..	31.3	34.3
3223				Locomotives, rolling stock manufacture and repair	208.5	211.4		214.2	201.5	202.9	199.9	201.9	200.9	200.2	
	3243			Railway rolling stock and locomotives	..	..		..	..	..	..	..	..	200.2	202.7
3224				Aircraft building and repair	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
	3244			Aircraft	..	..		..	..	..	..	..	..	n.p.	n.p.
3225				Transport equipment n.e.c.	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
	3245			Transport equipment n.e.c.	..	..		..	..	..	..	..	..	n.p.	n.p.
322				Total other transport equipment	512.4	505.9		505.8	485.9	495.4	482.8	501.3	474.9	465.9	
	324			Total other transport equipment	..	..		..	..	..	..	..	..	466.9	444.8
32				Total transport equipment	1,205.1	1,292.3	1,303.3	1,344.3	1,329.8	1,418.8	1,362.9	1,324.3	1,373.6	1,298.1	
	32			Total transport equipment	..	..	..	..	..	..	..	..	..	1,383.0	1,399.9

For footnotes see end of table

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES—continued
(\$ Million)

ASIC Code(s)		Industry class											
1969 edition	1978 edition		1968-69	1969-70	1970-71(b)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
OTHER MACHINERY AND EQUIPMENT													
Photographic, professional and scientific equipment—													
3311		Photographic equipment and supplies, optical instruments and film processing	22.3	27.4		33.3	35.3	45.6	54.6	58.2	61.7	n.p.	..
	3341	Photographic and optical goods	..	..	..	..	..	..	..	..	..	26.7	38.4
	3342	Photographic film processing	..	..	..	..	..	..	..	..	..	35.4	38.9
3312		Measuring apparatus and professional and scientific equipment and supplies n.e.c.	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	3343	Measuring, professional and scientific equipment n.e.c.	..	..	..	..	..	..	..	..	..	n.p.	n.p.
331		Total photographic, professional and scientific equipment	37.6	44.2		56.0	64.0	77.9	86.2	91.6	98.5	n.p.	..
	334	Total photographic, professional and scientific equipment	..	..	..	..	..	..	..	..	..	100.1	121.2
Appliances and electrical equipment—													
3321		TV, radios and electronic equipment n.e.c.	146.6	162.3		178.4	196.6	219.2	261.3	287.9	287.4	255.9	..
	3351	Radio and TV receivers; audio equipment	..	..	..	..	..	..	..	..	..	96.6	87.6
	3352	Electronic equipment n.e.c.	..	..	..	..	..	..	..	..	..	157.7	165.3
3322		Refrigerators and household appliances	193.5	214.4		205.5	220.7	262.7	241.1	244.7	238.0	218.5	217.8
	3353	Refrigerators and household appliances	..	..	..	..	..	..	..	..	..	218.5	217.8
3323		Water heating systems	11.9	13.3		14.6	17.6	19.1	17.7	17.5	20.5	n.p.	..
	3354	Water heating systems	..	..	..	..	..	..	..	..	..	19.8	20.3
3324		Electric and telephone cable and wire	54.2	56.8		61.2	56.5	56.7	64.8	59.3	54.6	61.1	..
	3355	Electric and telephone cable and wire	..	..	..	..	..	..	..	..	..	61.1	59.0
3325		Batteries	28.3	29.2		30.9	30.3	31.0	34.2	36.4	36.8	37.7	..
	3356	Batteries	..	..	..	..	..	..	..	..	..	37.4	35.3
3326		Electrical machinery and equipment n.e.c.	280.0	303.8		293.9	278.8	290.5	270.9	262.2	258.7	n.p.	..
	3357	Electrical machinery and equipment n.e.c.	..	..	..	..	..	..	..	..	..	246.7	266.3
332		Total appliances and electrical equipment	714.5	779.8		784.5	800.5	879.2	890.0	908.0	896.0	n.p.	..
	335	Total appliances and electrical equipment	..	..	..	..	..	..	..	..	..	837.8	871.6
Industrial machinery and equipment—													
3331		Agricultural machinery and equipment	112.9	96.1		79.8	89.7	107.5	115.2	108.4	110.9	95.0	..
	3361	Agricultural machinery	..	..	..	..	..	..	..	..	..	95.0	93.7
3332		Construction and earthmoving machinery	39.4	41.0		29.4	31.2	32.6	30.3	23.5	24.4	24.1	..
	3362	Construction machinery	..	..	..	..	..	..	..	..	..	23.9	23.8
3333		Materials handling equipment	67.8	73.7		71.3	69.5	73.7	71.1	67.0	61.8	n.p.	..
	3363	Materials handling equipment	..	..	..	..	..	..	..	..	..	68.0	75.8

For footnotes see end of table.

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES—continued
(\$ Million)

ASIC Code(s)			1968-69	1969-70	1970-71(b)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
1969 edition	1978 edition	Industry class											
		Industrial machinery and equipment— continued—											
3334		Woodworking and metalworking machinery	42.2	41.5		40.4	36.2	44.4	39.7	35.4	32.0	n.p.	37.2
	3364	Wood and metal working machinery	..	..	..	..	..	..	..	..	..	35.9	..
3335		Pumps and compressors	62.0	67.0		66.2	66.6	66.3	57.9	60.2	51.9	50.9	..
	3365	Pumps and compressors	..	..	..	..	..	..	..	..	..	48.8	54.5
3336		Commercial space heating and air con- ditioning equipment	22.1	22.7		26.9	32.4	36.4	39.6	32.0	37.3	38.6	..
	3366	Commercial space heating and cooling equipment	..	..	..	..	..	..	..	..	..	38.6	34.6
3337		Dies, saw blades and machine tool accessories	50.6	55.1		52.4	58.4	64.0	61.1	58.0	66.6	n.p.	..
	3367	Dies, saw blades and machine tool accessories	..	..	..	..	..	..	..	..	..	68.3	73.9
3338		Food processing machinery	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	3368	Food processing machinery	..	..	..	..	..	..	..	..	..	n.p.	n.p.
3339		Industrial machinery and equipment n.e.c.	273.0	295.7		322.7	299.9	319.0	323.7	284.3	280.8	288.4	..
	3369	Industrial machinery and equipment n.e.c.	..	..	..	..	..	..	..	..	..	288.2	296.7
333		Total industrial machinery and equipment	707.4	730.3		732.3	727.1	786.2	782.1	709.1	703.3	694.1	720.8
	336	Total industrial machinery and equipment	..	..	..	..	..	..	..	..	..	693.3	..
33		Total other machinery and equipment	1,459.5	1,554.3	1,552.3	1,572.8	1,591.4	1,743.3	1,758.3	1,788.7	1,497.8	1,634.2	..
	33	Total other machinery and equipment	..	..	..	..	..	..	..	..	..	1,631.2	1,713.6
		MISCELLANEOUS MANUFACTURING											
		Leather and leather products—											
3411		Leather tanning and fur dressing	28.3	28.3		31.0	23.3	23.9	20.8	24.1	30.3	35.8	..
	3451	Leather tanning and fur dressing	..	..	..	..	..	..	..	..	..	35.8	40.4
3412		Leather and substitute products n.e.c.	n.p.	n.p.		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	3452	Leather and leather substitute goods n.e.c.	..	..	..	..	..	..	..	..	..	n.p.	n.p.
341		Total leather and leather products	56.2	56.7		60.0	52.1	53.3	46.0	48.4	53.2	58.0	..
	345	Total leather and leather products	..	..	..	..	..	..	..	..	..	58.1	62.1
		Rubber products—											
3421		Rubber tyres, tubes, belting, hose and sheeting	99.0	106.1		103.6	103.9	111.1	108.0	106.4	102.3	93.5	..
	3461	Rubber tyres, tubes, belts, hose and sheets	..	..	..	..	..	..	..	..	..	106.1	113.9
3422		Rubber products n.e.c.	49.2	52.6		51.5	57.7	67.4	60.1	54.7	56.8	52.0	..
	3462	Rubber products n.e.c.	..	..	..	..	..	..	..	..	..	52.1	57.5
342		Total rubber products	148.2	158.7		155.1	161.6	178.5	168.1	161.1	159.1	145.5	..
	346	Total rubber products	..	..	..	..	..	..	..	..	..	158.2	171.4

For footnotes see end of table

MANUFACTURING GROSS PRODUCT AT AVERAGE 1974-75 PRICES—continued
(\$ Million)

ASIC Code(a)			1968-69	1969-70	1970-71(b)	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
1969 edition	1978 edition	Industry class											
Plastic and related products—													
3431		Flexible packaging and packaging materials (except paper), adhesive tapes and abrasive papers	46.2	53.2		60.4	72.2	81.0	82.2	79.5	89.1	92.4	99.8
	3471	Flexible packaging and abrasive papers	..	..	..	..	..	..	..	..	..	..	..
3432		Rigid plastic sheeting	6.7	7.4	10.0	9.4	5.1	6.5	5.5	5.4	5.7	5.7	7.0
	3472	Rigid plastic sheeting	..	..	..	..	..	..	..	..	..	..	..
3433		Hard surface floor coverings n.e.c.	10.5	12.2	15.2	14.3	14.0	11.1	10.3	8.3	7.3	7.3	7.1
	3473	Hard surface floor coverings n.e.c.	..	..	..	..	..	..	..	..	..	..	..
3434		Plastic products n.e.c.	114.9	131.3	165.4	203.4	251.1	224.5	235.3	247.1	258.5	259.0	274.1
	3474	Plastic products n.e.c.	..	..	..	..	..	..	..	..	..	..	..
343		Total plastic and related products	178.3	204.1	251.0	299.3	351.2	324.3	330.6	349.9	363.9	363.2	387.8
	347	Total plastic and related products	..	..	..	..	..	..	..	..	..	..	..
Other manufacturing—													
3441		Ophthalmic articles	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
3442		Jewellery and silverware	..	..	..	..	..	..	..	..	..	..	..
3443		Brooms and brushes	..	..	..	..	..	..	..	..	..	..	..
	3481	Ophthalmic articles	..	..	..	..	..	..	..	..	..	n.p.	n.p.
	3482	Jewellery and silverware	..	..	..	..	..	..	..	..	..	..	..
	3483	Brooms and brushes	..	..	..	..	..	..	..	..	..	..	..
3444		Signs and advertising displays	18.7	21.2	26.5	29.2	33.0	27.6	29.1	32.0	33.5	33.5	44.8
	3484	Signs and advertising displays	..	..	..	..	..	..	..	..	..	..	..
3445		Sporting equipment	15.8	15.1	16.5	16.9	21.5	20.0	21.0	20.0	19.8	19.8	22.6
	3485	Sporting equipment	..	..	..	..	..	..	..	..	..	..	..
3446		Writing and marking equipment	7.7	8.0	9.6	9.5	12.0	12.6	11.5	14.0	13.2	13.2	12.4
	3486	Writing and marking equipment	..	..	..	..	..	..	..	..	..	..	..
3447		Manufacturing n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..
	3487	Manufacturing n.e.c.	..	..	..	..	..	..	..	..	..	..	..
344		Total other manufacturing	101.0	110.5	119.0	121.6	141.0	128.8	136.7	137.9	130.5	125.0	137.4
	348	Total other manufacturing	..	..	..	..	..	..	..	..	..	..	..
34		Total miscellaneous manufacturing	483.7	536.8	558.7	585.1	634.6	724.8	667.3	676.7	708.1	697.9	758.7
	34	Total miscellaneous manufacturing	..	..	..	..	..	..	..	..	..	..	..
C		TOTAL MANUFACTURING	10,881.1	11,573.7	11,766.8	11,991.3	12,903.9	13,401.5	12,768.4	12,414.4	13,025.7	12,895.7	13,453.9
C		TOTAL MANUFACTURING	..	..	..	..	..	..	..	..	..	..	..

(a) Estimates for the years 1968-69 to 1977-78 are on the basis of the 1969 edition of ASIC. Estimates for the years 1977-78 and 1978-79 are on the basis of the 1978 edition of ASIC. See paragraph 18 of the Explanatory notes. (b) There was no Census of Manufacturing Establishments for 1970-71 and estimates of gross product at constant prices for individual manufacturing classes have not been derived for that year. However, estimates of output at average 1974-75 prices were developed at the ASIC subdivision level, thereby providing a basis for estimating gross product at average 1974-75 prices for each of the subdivisions. See paragraph 19 of the Explanatory notes. (c) Includes freezing of seafoods (other than whole fin fish or oysters) which in the 1969 edition of ASIC was primarily in ASIC subdivision 46-47, Wholesale Trade. (d) The constant price gross product estimate for this ASIC class is included in the total for the ASIC group to which this ASIC class belongs. (e) The constant price gross product estimate for the ASIC group is the sum of the estimates for the ASIC classes which constitute the ASIC group only. (f) The constant price gross product estimate for this ASIC group is the sum of the estimates for all the ASIC classes which constitute the ASIC group. (g) All the activities primary to this ASIC class are, in the 1978 edition of ASIC, included in ASIC Division B, Mining.