Australian Bureau of Statistics

1992–93

EMBARGOED UNTIL 11:30 AM 26 JULY 1996

Manufacturing Industry

Victoria

ABS Catalogue No. 8221.2

MANUFACTURING INDUSTRY
VICTORIA
1992–93

STUART JACKSON
Deputy Commonwealth Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 8221.2

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INQUIRIES

- *for further information about statistics in this publication and the availability of related unpublished statistics*, contact John Ridley on Sydney (02) 9268 4541 or any other ABS office.
- *for information about other ABS statistics and services* please refer to the back page of this publication.

INTRODUCTION

ABOUT THIS ISSUE

This publication contains detailed industry statistics compiled from a survey of manufacturing establishments (see paragraphs 8 and 9 of the Explanatory Notes) conducted in respect of 1992–93, with some comparative statistics for earlier years. It expands and updates the information for Victoria which was published in *Manufacturing Industry, Australia, 1992–93, Preliminary* (8201.0), which was released on 25 August 1994 and *Manufacturing Industry, Australia, 1992–93* (8221.0), which was released on 12 March 1996. All previous manufacturing collections were conducted on a census basis.

For the 1992–93 manufacturing collection, a sample of approximately 21,000 manufacturing businesses, nationally, was approached to provide detailed information on employment, wages and salaries paid, income, expenses, and assets and liabilities. In addition to this 'traditional' output, this publication also presents data on gross product at factor cost (average 1989–90 prices) in table 4. Conversely, no sub-State data are contained in this publication. This is a direct result of the 1992–93 collection being a sample survey and not a census. These data will be next available in respect of the 1993–94 reference year.

New industry classification

This publication introduces the new industry classification to a broad range of annual manufacturing statistics. The new classification is the Australian and New Zealand Standard Industrial Classification (ANZSIC), which replaces the Australian Standard Industrial Classification (ASIC) used prior to the 1992–93 reference year. Manufacturing collections dating back to the 1989–90 reference year have been coded using both industry classifications. All time series comparisons in this publication are made on a consistent ANZSIC basis. More information on this industry classification can be found in the introduction to table 9 in the 1991–92 issue of this publication and in the *Australian and New Zealand Standard Industrial Classification, 1993* (1292.0).

New industry gross product measure

Industry gross product is a measure which closely approximates the National Accounting data item 'gross product at factor cost'. Data for gross product at factor cost (at average 1989–90 prices) by industry subdivision are contained in table 4 of this publication. The data item industry gross product is used widely in the range of economic statistics produced by the ABS. Adoption of industry gross product for manufacturing statistics will facilitate comparison of net production by the manufacturing industry with net production of other industries, as well as providing a better net production measure for the manufacturing industry.

In terms of definition, the difference between value added and industry gross product is that industry gross product takes into account more of the operating expenses which are incurred by manufacturers in the production, marketing and distribution processes. However, industry gross product for an industry should not be interpreted as profit or surplus for that industry. There are several important expense items which are not included in the calculation.

An indicator of the difference is given by total manufacturing in Victoria for 1992–93, where establishment value added amounted to $21.7 billion while establishment industry gross product amounted to $16.3 billion. Estimates for 1992–93 establishment industry gross product for individual manufacturing industries are available on request.

ADJUSTED FIGURES IN FUTURE ISSUES OF THIS PUBLICATION

Recent investigations have shown that not all manufacturers falling within the scope of the 1992–93 manufacturing survey were recorded on the ABS business register at the time that the sample was selected. It has not been feasible to adjust the detailed information contained in this publication to allow for the operations of these excluded manufacturers. The shortfall for total Victorian manufacturing is approximately 2% for 1992–93 turnover and 4% for employment at the end of June 1993.

Adjustments to allow for the shortfall in 1992–93 data will be carried out as soon as feasible. Adjusted data for broad aggregates for the year 1992–93 will appear in the 1993–94 issue of this publication, which will also contain an explanation of the adjustment process. In the interim, further information concerning the adjustments is available from the ABS (see 'Inquiries' on page iii) or by reference to paragraphs 13 and 14 of the Explanatory Notes to the 1993–94 issue of *Manufacturing Industry, Australia, Preliminary* (8201.0).

UNPUBLISHED DATA

A considerable amount of data from the annual manufacturing collection exists in unpublished form. More detailed information to satisfy individual user requirements may be available on request. Further details can be obtained by contacting the NSW Office of the ABS — see page iii for contact details.

TABLE 1. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY SUBDIVISION VICTORIA, 1989–90 TO 1992–93 (b)

Industry subdivision			Establishments at 30 June (c) (No.)	Employment at end of June (d) ('000)	Wages and salaries (e)(f) ($m)	Turnover (f) ($m)	Persons employed per establishment (No.)	Turnover per person employed (f)(g) ($'000)
ANZSIC code	Description							
21	Food, beverage and tobacco mfg	1992–93	898	43.5	1,374.5	10,998.9	48	253.0
		1991–92 r	943	45.6	1,348.3	10,512.7	48	230.3
		1990–91	977	47.6	1,310.7	10,462.7	49	219.9
		1989–90	1,062	48.1	1,211.3	10,029.5	45	208.4
22	Textile, clothing, footwear and leather mfg	1992–93	1,558	36.6	924.3	4,361.0	23	119.3
		1991–92	1,670	38.4	972.3	4,560.9	23	118.8
		1990–91	1,614	42.9	1,032.2	4,698.0	27	109.5
		1989–90	1,727	52.0	1,112.4	4,871.5	30	93.7
23	Wood and paper product mfg	1992–93	862	14.9	473.7	2,779.0	17	187.1
		1991–92	903	14.7	452.6	2,485.0	16	169.4
		1990–91	932	15.5	483.2	2,590.9	17	166.8
		1989–90	1,027	18.2	503.9	2,648.1	18	145.8
24	Printing, publishing and recorded media	1992–93	1,352	26.3	863.4	3,594.7	19	136.8
		1991–92 r	1,364	25.5	803.4	3,312.4	19	129.7
		1990–91	1,352	26.8	823.0	3,134.8	20	117.0
		1989–90	1,397	29.1	800.5	3,156.8	21	108.3
25	Petroleum, coal, chemical and associated product mfg	1992–93	916	33.6	1,253.6	9,568.7	37	284.4
		1991–92 r	944	34.1	1,200.0	9,465.3	36	277.7
		1990–91	935	34.9	1,205.3	9,557.5	37	274.2
		1989–90	949	36.0	1,120.1	9,441.1	38	262.5
26	Non-metallic mineral product mfg	1992–93	411	9.6	342.3	2,036.0	23	212.2
		1991–92	470	9.9	333.5	1,715.0	21	172.9
		1990–91	469	10.8	357.9	1,889.3	23	175.1
		1989–90	556	11.7	367.8	2,109.2	21	180.3
27	Metal product mfg	1992–93	1,776	34.2	1,087.6	7,091.6	19	207.6
		1991–92 r	1,944	35.9	1,126.4	7,414.8	18	206.4
		1990–91	1,988	39.1	1,227.4	7,760.1	20	198.5
		1989–90	2,079	45.4	1,288.0	7,935.5	22	174.6
28	Machinery and equipment mfg	1992–93	2,294	71.1	2,321.0	13,112.0	31	184.5
		1991–92 r	2,455	74.4	2,314.4	12,032.8	30	161.7
		1990–91	2,445	83.8	2,720.6	12,924.7	34	154.2
		1989–90	2,531	92.9	2,572.0	13,245.9	37	142.6
29	Other manufacturing	1992–93	1,625	14.4	333.5	1,426.8	9	99.2
		1991–92 r	1,673	14.2	323.8	1,362.7	8	95.8
		1990–91	1,693	15.2	343.1	1,448.7	9	95.3
		1989–90	1,829	17.4	390.8	1,565.8	10	89.8
21–29	**Total manufacturing**	**1992–93**	**11,692**	**284.0**	**8,973.8**	**54,968.7**	**24**	**193.5**
		1991–92 r	**12,366**	**292.8**	**8,874.6**	**52,861.6**	**24**	**180.6**
		1990–91	**12,405**	**316.5**	**9,503.6**	**54,466.5**	**26**	**172.1**
		1989–90	**13,157**	**350.9**	**9,366.8**	**55,003.5**	**27**	**156.8**

(a) See paragraph 8 of the Explanatory Notes. (b) For comparability of data over the time periods shown, see paragraphs 15 and 16 of the Explanatory Notes. (c) See paragraphs 5 to 11 of the Explanatory Notes. (d) Includes working proprietors. (e) Excludes the drawings of working proprietors. (f) Value data are at current prices and, therefore, do not discount the impact of price changes. (g) Turnover divided by the number of persons employed at the end of June.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, VICTORIA, 1992–93

Industry class ANZSIC code	Description	Establishments at 30 June (b) (No.)	Employment at end of June (c) (No.)	Wages and salaries (d) ($m)	Turnover: Total sales of goods and transfers out ($m)	Turnover: Balance of turnover ($m)	Turnover: Total ($m)	Purchases and transfers in ($m)	Selected expenses ($m)	Opening stocks ($m)	Closing stocks ($m)	Value added ($m)	Net capital expenditure ($m)
	FOOD, BEVERAGE AND TOBACCO MFG—												
	Meat and meat product mfg—												
2111	Meat processing	94	4,553	143.2	1,054.4	57.1	1,111.5	772.1	51.8	36.6	35.7	286.7	12.0
2112	Poultry processing	26	1,916	45.6	350.9	1.3	352.2	200.5	37.6	12.7	13.6	115.1	6.9
2113	Bacon, ham and smallgood mfg	33	1,890	53.3	300.5	2.3	302.7	183.3	16.2	26.0	24.6	101.8	3.8
211	*Total*	*153*	*8,359*	*242.1*	*1,705.8*	*60.7*	*1,766.5*	*1,155.9*	*105.6*	*75.3*	*73.9*	*503.6*	*22.8*
	Dairy product mfg												
2121	Milk and cream processing	16	2,020	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p
2122	Ice cream mfg	10	431	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2129	Dairy product mfg n.e.c.	35	4,179	142.8	1,642.3	7.8	1,650.0	1,035.5	77.4	101.5	112.5	548.2	72.4
212	*Total*	*61*	*6,630*	*231.3*	*2,562.5*	*11.4*	*2,573.9*	*1,639.9*	*123.8*	*159.6*	*181.7*	*832.3*	*95.1*
213	*Fruit and vegetable processing*	*59*	*3,700*	*128.6*	*1,078.5*	*7.3*	*1,085.7*	*576.8*	*73.1*	*180.4*	*183.6*	*439.0*	*41.9*
214	*Oil and fat mfg*	*13*	*n.p*	*n.p*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p*	*n.p.*	*n.p*	*n.p.*	*n.p*
	Flour mill and cereal food mfg —												
2151	Flour mill product mfg	10	816	30.6	253.3	0.2	253.6	158.0	24.9	27.7	28.4	71.3	9.8
2152	Cereal food and baking mix mfg	22	1,886	49.5	382.9	1.0	383.9	178.2	39.4	55.9	69.1	179.6	13.0
215	*Total*	*32*	*2,702*	*78.3*	*636.2*	*1.2*	*637.5*	*336.2*	*64.3*	*83.6*	*97.5*	*250.8*	*22.8*
	Bakery product mfg—												
2161	Bread mfg	144	4,010	97.4	341.2	1.0	342.2	123.9	25.9	5.4	5.3	192.3	23.7
2162	Cake and pastry mfg	122	2,721	56.9	238.7	0.2	239.0	106.8	23.3	10.9	11.2	109.3	6.3
2163	Biscuit mfg	20	1,632	43.7	176.3	0.1	176.4	88.7	8.8	10.8	11.4	79.5	13.8
216	*Total*	*286*	*8,363*	*198.0*	*756.3*	*1.4*	*757.6*	*319.4*	*57.9*	*27.1*	*27.9*	*381.1*	*43.9*
	Other food mfg												
2171	Sugar mfg	4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2172	Confectionery mfg	56	3,704	133.5	669.3	1.9	671.2	311.6	50.2	68.3	68.3	309.3	36.8
2173	Seafood processing	24	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2174	Prepared animal and bird feed mfg	45	1,396	62.1	571.6	1.9	573.6	400.0	49.1	33.7	36.5	127.3	22.1
2179	Food mfg n.e.c.	79	2,343	65.3	510.5	1.3	511.7	271.3	30.8	43.5	45.2	211.3	27.2
217	*Total*	*208*	*8,394*	*286.1*	*2,055.8*	*11.4*	*2,067.2*	*1,201.0*	*151.1*	*157.0*	*164.6*	*222.8*	*100.0*
	Beverage and malt mfg—												
2181	Soft drink, cordial and syrup mfg	29	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2182	Beer and malt mfg	8	1,355	n.p.	n.p.	n.p.	n.p	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2183	Wine mfg	48	1,190	29.7	290.9	0.9	291.8	151.2	17.3	183.0	187.0	127.4	5.3
2184	Spirit mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
218	*Total*	*87*	*4,017*	*150.0*	*1,556.7*	*22.9*	*1,579.6*	*790.5*	*93.1*	*266.6*	*267.7*	*697.1*	*55.5*

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, VICTORIA, 1992-93 *—continued*

Industry class		*Establishments at 30 June (b)*	*Employment at end of June (c)*	*Wages and salaries (d)*	*Turnover*			*Purchases and transfers in*	*Selected expenses*	*Opening stocks*	*Closing stocks*	*Value added*	*Net capital expenditure*
ANZSIC code	*Description*	*(No.)*	*(No.)*	*($m)*	*Total sales of goods and transfers out ($m)*	*Balance of turnover ($m)*	*Total ($m)*	*($m)*	*($m)*	*($m)*	*($m)*	*($m)*	*($m)*
219	*Tobacco product mfg*	*1*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
21	***Total food, beverage and tobacco mfg***	***898***	***43,466***	***1,374.5***	***10,869.0***	***129.9***	***10,998.9***	***6,258.4***	***693.2***	***1,067.0***	***1,105.6***	***4,086.0***	***406.9***
	TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG												
	Textile fibre, yarn and woven fabric mfg												
2211	Wool scouring	11	416	14.3	50.1	18.3	68.4	22.2	6.6	4.1	1.7	37.1	0.5
2212	Synthetic fibre textile mfg	49	3,233	110.0	464.9	4.9	469.8	228.7	33.9	85.6	83.3	204.9	12.4
2213	Cotton textile mfg	27	989	28.8	126.5	5.7	132.2	72.2	10.5	26.9	27.1	49.7	5.1
2214	Wool textile mfg	19	1,692	43.4	193.6	7.3	200.9	106.2	12.0	42.0	35.1	75.8	3.7
2215	Textile finishing	44	1,490	46.9	168.5	32.5	201.0	97.6	12.1	20.6	24.8	95.5	3.4
221	*Total*	*150*	*7,820*	*243.3*	*1,003.7*	*68.7*	*1,072.3*	*526.9*	*75.1*	*179.2*	*172.0*	*463.1*	*25.0*
	Textile product mfg												
2221	Made-up textile product mfg	118	1,299	26.1	146.3	5.0	151.3	80.2	18.0	19.4	23.6	57.3	2.3
2222	Textile floor covering mfg	52	2,573	74.4	446.3	6.3	452.6	238.4	25.4	45.9	50.2	193.1	8.7
2223	Rope, cordage and twine mfg	9	436	12.4	68.9	0.6	69.5	23.3	3.6	11.9	12.1	42.8	1.1
2229	Textile product mfg n.e.c.	46	885	22.2	134.4	2.1	136.5	47.9	26.1	9.4	10.7	63.8	5.1
222	*Total*	*224*	*5,194*	*135.5*	*795.9*	*14.0*	*809.9*	*389.8*	*73.1*	*86.6*	*96.6*	*357.0*	*17.1*
	Knitting mills												
2231	Hosiery mfg	31	2,279	59.4	219.7	2.9	222.6	84.9	11.8	35.3	41.0	131.7	13.2
2232	Cardigan and pullover mfg	53	965	21.2	74.0	1.5	75.6	27.9	7.3	11.6	12.1	40.8	2.5
2239	Knitting mill product mfg n.e.c.	69	1,972	58.6	319.4	1.5	320.9	162.1	42.3	57.6	64.9	123.8	3.4
223	*Total*	*153*	*5,216*	*139.2*	*613.2*	*6.0*	*619.1*	*275.0*	*61.4*	*104.5*	*118.0*	*296.3*	*19.1*
	Clothing mfg												
2241	Men's and boys' wear mfg	135	4,130	97.1	345.8	13.7	359.6	138.1	38.3	61.5	62.8	184.4	4.8
2242	Women's and girls' wear mfg	318	3,624	67.3	336.3	32.7	368.9	133.9	91.5	44.7	44.9	143.7	4.4
2243	Sleepwear, underwear and infant clothing mfg	30	2,091	52.5	205.8	0.6	206.4	83.1	9.9	40.8	47.6	120.2	2.3
2249	Clothing mfg n.e.c.	362	3,345	66.8	275.3	41.1	316.4	124.2	67.7	40.8	45.5	129.1	0.6
224	*Total*	*845*	*13,191*	*283.6*	*1,163.2*	*88.1*	*1,251.3*	*479.3*	*207.4*	*187.8*	*200.7*	*577.4*	*12.1*
225	*Footwear mfg*	*115*	*3,611*	*83.1*	*309.7*	*5.7*	*315.4*	*143.8*	*22.1*	*44.9*	*45.4*	*150.0*	*3.9*
	Leather and leather product mfg												
2261	Leather tanning and fur dressing	35	1,055	29.8	239.1	13.4	252.5	176.2	14.7	25.8	25.6	61.4	5.0
2262	Leather and leather substitute product mfg	36	467	9.7	39.4	1.0	40.4	14.4	2.5	11.1	9.0	21.5	0.6
226	*Total*	*71*	*1,522*	*39.5*	*278.5*	*14.4*	*293.0*	*190.6*	*17.2*	*36.9*	*34.7*	*82.9*	*5.6*
22	***Total textile, clothing, footwear and leather mfg***	***1,558***	***36,553***	***924.3***	***4,164.1***	***196.9***	***4,361.0***	***2,005.6***	***456.2***	***639.9***	***667.4***	***1,926.7***	***82.9***

For footnotes see end of table

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, VICTORIA, 1992–93—*continued*

Industry class		Establishments at 30 June (b)	Employment at end of June (c)	Wages and salaries (d)	Turnover								
ANZSIC code	Description				Total sales of goods and transfers out	Balance of turnover	Total	Purchases and transfers in	Selected expenses	Opening stocks	Closing stocks	Value added	Net capital expenditure
		(No.)	(No.)	($m)	($m)	($m)	($m)	($m)	($m)	($m)	($m)	($m)	($m)
	WOOD AND PAPER PRODUCT MFG—												
	Log sawmilling and timber dressing—												
2311	Log sawmilling	103	1,780	43.7	206.0	2.5	208.5	75.0	31.4	38.7	40.5	103.9	10.6
2312	Wood chipping	3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2313	Timber resawing and dressing	27	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
231	*Total*	*133*	*2,692*	*68.5*	*355.4*	*4.3*	*359.8*	*153.7*	*45.3*	*70.3*	*73.9*	*164.9*	*14.5*
	Other wood product mfg												
2321	Plywood and veneer mfg	14	271	7.1	42.2	0.1	42.3	24.9	2.6	6.6	7.5	15.6	0.1
2322	Fabricated wood mfg	12	663	21.4	120.3	0.8	121.0	87.0	10.7	13.8	15.0	24.6	13.0
2323	Wooden structural component mfg	366	3,266	77.9	318.8	16.9	335.7	156.2	35.5	20.3	23.8	147.5	5.0
2329	Wood product mfg n.e.c.	215	1,640	36.3	153.4	5.7	159.1	72.7	15.7	14.8	16.0	71.8	0.4
232	*Total*	*607*	*5,841*	*142.7*	*634.6*	*23.5*	*658.1*	*340.8*	*64.6*	*55.6*	*62.3*	*259.6*	*18.5*
	Paper and paper product mfg												
2331	Pulp, paper and paperboard mfg	35	1,684	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2332	Solid paperboard container mfg	14	632	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2333	Corrugated paperboard container mfg	12	1,727	78.7	450.4	0.5	450.9	301.6	28.4	22.5	24.3	122.6	5.4
2334	Paper bag and sack mfg	14	597	17.5	144.7	1.3	146.1	79.1	5.4	16.2	16.3	61.6	5.1
2339	Paper product mfg n.e.c.	47	1,682	61.2	488.9	5.6	494.5	203.9	67.4	50.9	48.5	220.8	5.8
233	*Total*	*122*	*6,322*	*262.5*	*1,752.4*	*8.7*	*1,761.1*	*953.0*	*202.3*	*162.1*	*165.1*	*608.8*	*63.1*
23	***Total wood and paper product mfg***	***862***	***14,855***	***473.7***	***2,742.4***	***36.5***	***2,779.0***	***1,446.9***	***312.1***	***287.9***	***301.3***	***1,033.3***	***96.2***
	PRINTING, PUBLISHING AND RECORDED MEDIA												
	Printing and services to printing—												
2411	Paper stationery mfg	102	3,413	101.5	523.2	5.7	528.9	237.9	32.3	75.1	73.5	257.0	27.4
2412	Printing	647	11,045	352.2	1,359.5	27.1	1,386.6	566.8	145.8	86.8	93.9	681.1	48.3
2413	Services to printing	255	2,543	77.2	238.8	9.8	248.6	72.5	31.3	9.0	8.7	144.6	11.0
241	*Total*	*1,004*	*17,000*	*530.9*	*2,121.5*	*42.6*	*2,164.1*	*877.2*	*209.4*	*170.9*	*176.1*	*1,082.7*	*86.7*
	Publishing—												
2421	Newspaper printing or publishing	201	6,697	248.6	396.0	438.9	835.0	213.7	46.5	28.3	27.1	573.6	164.1
2422	Other periodical publishing	69	1,151	38.7	241.6	18.1	259.7	119.1	21.6	11.0	12.7	120.8	3.2
2423	Book and other publishing	67	1,338	42.8	94.1	223.6	317.7	51.3	13.4	9.5	9.8	253.3	2.5
242	*Total*	*337*	*9,187*	*330.1*	*731.8*	*680.7*	*1,412.4*	*384.1*	*81.5*	*48.8*	*49.6*	*947.7*	*169.8*
243	*Recorded media manufacturing and publishing*	*12*	*95*	*2.3*	*17.3*	*0.9*	*18.2*	*7.8*	*1.7*	*0.8*	*1.1*	*9.0*	*0.5*
24	***Total printing, publishing and recorded media***	***1,352***	***26,282***	***863.4***	***2,870.5***	***724.1***	***3,594.7***	***1,269.0***	***292.6***	***220.4***	***226.8***	***2,039.4***	***256.8***

For footnotes see end of table

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, VICTORIA, 1992–93 *continued*

Industry class		Establishments at 30 June (b)	Employment at end of June (c)	Wages and salaries (d)	Turnover								Value added	Net capital expenditure
					Total sales of goods and transfers out	Balance of turnover	Total	Purchases and transfers in	Selected expenses	Opening stocks	Closing stocks			
ANZSIC code	Description	(No.)	(No.)	($m)	($m)	($m)	($m)	($m)	($m)	($m)	($m)		($m)	($m)
	PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG —													
251	*Petroleum refining*	*9*	*1,143*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*		*n.p.*	*n.p.*
252	*Petroleum and coal product mfg n.e.c.*	*11*	*200*	*6.8*	*43.3*	*0.4*	*43.7*	*22.1*	*7.2*	*7.2*	*7.4*		*14.5*	*1*
	Basic chemical mfg —													
2531	Fertiliser mfg	23	501	17.7	288.2	1.5	289.7	176.4	23.4	42.6	52.6		99.9	5.6
2532	Industrial gas mfg	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.	n.p.
2533	Synthetic resin mfg	40	2,789	133.5	1,257.2	8.3	1,265.5	770.2	108.7	209.9	224.5		401.2	47.3
2534	Organic industrial chemical mfg n.e.c.	31	814	47.2	432.9	2.9	435.8	270.9	31.3	47.6	48.0		134.0	10.5
2535	Inorganic industrial chemical mfg n.e.c.	35	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.	n.p.
253	*Total*	*130*	*5,237*	*345.4*	*2,288.7*	*54.0*	*2,342.7*	*1,400.6*	*194.3*	*340.1*	*365.0*		*772.2*	*82.4*
	Other chemical product mfg —													
2541	Explosive mfg	5	341	11.8	40.4	2.5	42.9	15.5	4.2	10.2	9.0		22.1	2.1
2542	Paint mfg	4	1,585	59.2	403.2	0.6	403.7	206.3	18.3	67.9	66.7		178.0	5.9
2543	Medicinal and pharmaceutical product mfg	8	4,028	147.0	913.6	26.4	940.1	478.2	33.3	186.6	194.1		436.1	50.8
2544	Pesticide mfg		268	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.	n.p.
2545	Soap and other detergent mfg	5	1,329	44.5	326.8	2.6	329.4	163.7	31.7	43.8	43.9		134.1	10.7
2546	Cosmetic and toiletry preparation mfg	3	731	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.	n.p.
2547	Ink mfg	1	380	12.6	74.4	-	74.4	48.8	4.1	16.0	15.7		21.2	2.5
2549	Chemical product mfg n.e.c.	41	916	34.2	209.8	1.1	210.9	99.6	20.4	30.8	28.2		88.3	0.9
254	*Total*	*227*	*9,578*	*343.2*	*2,244.2*	*33.2*	*2,277.4*	*1,170.1*	*124.3*	*381.9*	*386.7*		*987.8*	*80.4*
	Rubber product mfg													
2551	Rubber tyre mfg	28	3,003	131.1	665.2	0.7	665.9	334.5	33.7	27.4	26.2		296.5	23.7
2559	Rubber product mfg n.e.c.	52	1,255	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.	n.p.
255	*Total*	*80*	*4,259*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*		*n.p.*	*n.p.*
	Plastic product mfg													
2561	Plastic blow moulded product mfg	39	1,451	44.1	229.6	0.6	230.2	91.6	15.3	20.5	21.1		123.9	15.0
2562	Plastic extruded product mfg	35	1,515	51.7	285.1	1.8	286.9	145.4	22.3	37.4	39.5		121.4	12.2
2563	Plastic bag and film mfg	75	3,570	134.2	753.8	7.8	761.6	357.3	49.1	91.6	85.9		349.6	24.6
2564	Plastic product, rigid fibre reinforced, mfg	30	681	21.0	112.8	0.2	113.0	59.8	5.2	21.1	22.7		49.7	1.4
2565	Plastic foam product mfg	16	516	15.6	93.1		93.2	47.0	9.1	7.6	8.3		37.7	2.3
2566	Plastic injection moulded product mfg	264	5,494	150.9	734.2	3.2	737.4	289.9	59.0	69.3	66.5		385.6	21.3
256	*Total*	*460*	*13,227*	*417.5*	*2,208.6*	*13.6*	*2,222.2*	*991.0*	*159.9*	*247.5*	*244.1*		*1,067.8*	*76.8*
25	***Total petroleum, coal, chemical and associated product mfg***	***916***	***33,643***	***1,253.6***	***9,306.3***	***262.4***	***9,568.7***	***5,328.8***	***630.3***	***1,107.7***	***1,155.1***		***3,657.1***	***629.9***

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, VICTORIA, 1992–93—*continued*

Industry class ANZSIC code	Description	Establishments at 30 June (b) (No.)	Employment at end of June (c) (No.)	Wages and salaries (d) ($m)	Turnover: Total sales of goods and transfers out ($m)	Turnover: Balance of turnover ($m)	Turnover: Total ($m)	Purchases and transfers in ($m)	Selected expenses ($m)	Opening stocks ($m)	Closing stocks ($m)	Value added ($m)	Net capital expenditure ($m)
	NON-METALLIC MINERAL PRODUCT MFG—												
261	*Glass and glass product mfg*	*25*	*1,662*	*70.8*	*412.0*	*1.6*	*413.6*	*146.6*	*23.7*	*51.1*	*47.4*	*239.6*	*13.5*
	Ceramic mfg												
2621	Clay brick mfg	19	822	32.1	131.5	0.2	131.7	36.1	30.0	29.6	28.4	64.4	2.0
2622	Ceramic product mfg	5	77	1.8	5.5	—	5.5	1.7	0.5	0.9	0.9	3.3	0.1
2623	Ceramic tile and pipe mfg	27	795	25.8	100.2	1.0	101.2	28.4	16.6	22.6	21.8	55.3	2.5
2629	Ceramic product mfg n.e.c.	45	1,119	34.4	149.1	0.9	150.0	65.9	13.1	24.1	23.9	70.8	5.7
262	*Total*	*95*	*2,813*	*94.0*	*386.2*	*2.1*	*388.4*	*132.1*	*60.1*	*77.3*	*75.0*	*193.9*	*10.3*
	Cement, lime, plaster and concrete product mfg												
2631	Cement and lime mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2632	Plaster product mfg	14	550	19.6	170.8	0.2	170.9	69.4	9.6	13.7	13.3	91.5	3.0
2633	Concrete slurry mfg	44	777	25.4	301.0	15.4	316.4	212.3	62.4	4.9	4.6	41.3	6.5
2634	Concrete pipe and box culvert mfg	15	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2635	Concrete product mfg n.e.c.	110	1,450	45.4	220.3	1.1	221.4	83.6	23.6	21.2	21.9	115.0	5.0
263	*Total*	*185*	*3,389*	*114.8*	*842.0*	*17.8*	*859.8*	*403.9*	*140.2*	*57.8*	*53.9*	*311.8*	*18.6*
264	*Non-metallic mineral product mfg n.e.c.*	*105*	*1,730*	*62.7*	*368.7*	*5.5*	*374.2*	*149.4*	*48.3*	*74.5*	*44.3*	*146.1*	*6.2*
26	***Total non-metallic mineral product mfg***	***411***	***9,594***	***342.3***	***2,008.9***	***27.0***	***2,036.0***	***832.1***	***272.2***	***260.6***	***220.5***	***891.6***	***48.6***
	METAL PRODUCT MFG—												
	Iron and steel mfg												
2711	Basic iron and steel mfg	82	3,059	129.0	1,573.8	6.5	1,580.3	1,016.8	168.3	182.4	188.7	401.5	27.3
2712	Iron and steel casting and forging	79	2,029	55.6	198.5	0.8	199.4	68.8	19.9	23.7	23.1	110.1	2.2
2713	Steel pipe and tube mfg	18	426	16.3	81.7	6.7	88.4	48.7	10.0	10.8	14.0	32.8	3.9
271	*Total*	*179*	*5,514*	*200.9*	*1,854.1*	*14.0*	*1,868.1*	*1,134.3*	*198.3*	*216.9*	*225.7*	*544.4*	*33.4*
	Basic non-ferrous metal mfg—												
2721	Alumina production	—										—	
2722	Aluminium smelting	5	1,654	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2723	Copper, silver, lead and zinc smelting, refining	6	38	1.0	6.8	0.5	7.3	3.8	0.7	0.4	0.3	2.7	—
2729	Basic non-ferrous metal mfg n.e.c.	17	496	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
272	*Total*	*28*	*2,188*	*103.7*	*1,045.0*	*14.0*	*1,059.0*	*680.8*	*89.9*	*124.3*	*108.7*	*272.7*	*24.7*
	Non-ferrous basic metal product mfg —												
2731	Aluminium rolling, drawing, extruding	15	1,113	40.0	383.5	0.2	383.7	233.5	26.8	32.0	32.4	123.9	8.5
2732	Non-ferrous metal rolling, drawing, extruding n.e.c.	14	593	17.0	105.3	0.8	106.0	62.1	5.5	15.7	16.1	38.9	3.0
2733	Non-ferrous metal casting	34	466	15.1	64.1	2.7	66.8	27.7	5.4	7.9	7.9	33.7	22.3
273	*Total*	*63*	*2,171*	*72.1*	*552.9*	*3.7*	*556.6*	*323.3*	*37.7*	*55.6*	*56.5*	*196.4*	*33.7*

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, VICTORIA, 1992–93—*continued*

Industry class		Establishments at 30 June	Employment at end of June	Wages and salaries	Turnover			Purchases and transfers in	Selected expenses	Opening stocks	Closing stocks	Value added	Net capital expenditure
ANZSIC code	Description	(b) (No.)	(c) (No.)	(d) ($m)	Total sales of goods and transfers out ($m)	Balance of turnover ($m)	Total ($m)						
	Structural metal product mfg—												
2741	Structural steel fabricating	207	3,090	89.9	563.8	27.4	591.2	305.9	72.6	45.5	43.0	210.2	15.7
2742	Architectural aluminium product mfg	186	1,996	52.3	250.3	4.8	255.1	139.2	18.5	21.4	22.9	98.9	3.8
2749	Structural metal product mfg n.e.c.	70	662	18.4	101.2	3.3	104.5	45.8	9.4	8.0	7.1	48.4	1.2
274	*Total*	*463*	*5,748*	*160.5*	*915.3*	*35.5*	*950.8*	*490.9*	*100.5*	*74.8*	*73.0*	*357.5*	*20.7*
	Sheet metal product mfg												
2751	Metal container mfg	31	1,705	63.3	546.0	1.6	547.5	357.8	27.8	75.6	74.1	160.5	11.8
2759	Sheet metal product mfg n.e.c.	263	4,252	117.6	575.5	4.8	580.3	274.0	39.0	52.0	58.4	273.7	10.3
275	Total	294	5,956	181.0	1,121.5	6.4	1,127.9	631.8	66.9	127.6	132.5	434.1	22.1
	Fabricated metal product mfg—												
2761	Hand tool and general hardware mfg	104	1,128	29.0	96.9	3.1	100.1	40.4	7.8	23.6	21.9	50.2	2.0
2762	Spring and wire product mfg	89	1,933	51.3	343.8	7.3	351.1	189.7	26.0	51.4	52.2	136.1	7.2
2763	Nut, bolt, screw and rivet mfg	38	1,167	40.9	200.7	2.6	203.3	99.9	9.6	57.9	49.4	85.2	3.9
2764	Metal coating and finishing	154	1,548	40.0	114.9	25.2	140.2	51.6	15.5	8.5	9.6	74.2	5.4
2765	Non-ferrous pipe fitting mfg	27	1,257	38.7	149.7	3.0	152.7	58.9	10.5	40.9	35.1	77.5	1.4
2769	Fabricated metal product mfg n.e.c.	336	5,557	169.5	559.0	22.9	581.9	219.1	35.9	123.1	130.4	334.3	21.7
276	*Total*	*749*	*12,590*	*369.4*	*1,465.1*	*64.2*	*1,529.3*	*659.5*	*105.3*	*305.3*	*298.5*	*757.6*	*41.6*
27	***Total metal product mfg***	***1,776***	***34,167***	***1,087.6***	***6,954.0***	***137.7***	***7,091.6***	***3,920.6***	***598.6***	***904.6***	***894.9***	***2,562.8***	***176.2***
	MACHINERY AND EQUIPMENT MFG—												
	Motor vehicle and part mfg—												
2811	Motor vehicle mfg	38	12,900	390.9	4,003.6	142.4	4,146.1	3,141.1	121.9	429.9	418.1	871.3	386.5
2812	Motor vehicle body mfg	111	1,797	44.6	203.4	33.7	237.1	118.5	11.3	19.9	19.1	106.5	4.8
2813	Automotive electrical and instrument mfg	24	3,745	109.2	628.5	2.0	630.6	448.9	14.9	102.0	113.3	178.2	33.0
2819	Automotive component mfg n.e.c.	284	9,408	274.8	1,038.3	22.7	1,061.1	481.3	61.5	150.7	154.2	521.7	24.7
281	*Total*	*457*	*27,850*	*819.4*	*5,874.0*	*200.9*	*6,074.8*	*4,189.9*	*209.5*	*702.4*	*704.7*	*1,677.7*	*449.0*
	Other transport equipment mfg												
2821	Shipbuilding	13	1,131	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2822	Boatbuilding	84	643	17.4	52.7	5.8	58.4	25.0	3.7	7.1	8.4	31.2	
2823	Railway equipment mfg	5	429	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2824	Aircraft mfg	38	6,299	280.5	267.8	273.7	541.5	228.4	21.0	126.1	142.6	308.6	30.6
2829	Transport equipment mfg n.e.c.	19	232	4.2	23.3	0.5	23.8	12.0	3.0	2.6	4.1	10.3	1.3
282	*Total*	*129*	*8,734*	*363.4*	*890.1*	*307.4*	*1,197.5*	*676.8*	*52.2*	*159.2*	*203.8*	*513.1*	*41.1*
	Photographic and scientific equipment mfg												
2831	Photographic and optical good mfg	43	957	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2832	Medical and surgical equipment mfg	158	883	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2839	Professional and scientific equipment mfg n.e.c.	54	1,652	61.2	238.5	19.7	258.2	74.5	18.9	26.1	29.7	168.4	8.3
283	*Total*	*254*	*3,491*	*120.9*	*569.9*	*46.5*	*616.4*	*245.7*	*27.4*	*74.3*	*74.1*	*343.1*	*13.0*

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, VICTORIA, 1992–93—*continued*

Industry class		Establishments at 30 June (b)	Employment at end of June (c)	Wages and salaries	Turnover				Selected expenses	Opening stocks	Closing stocks	Value added	Net capital expenditure
ANZSIC code	Description	(No.)	(No.)	($m)	Total sales of goods and transfers out ($m)	Balance of turnover ($m)	Total ($m)	Purchases and transfers in ($m)	($m)	($m)	($m)	($m)	($m)
	Electronic equipment mfg—												
2841	Computer and business machine mfg	44	818	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2842	Telecommunication, broadcasting and transcieving equipment mfg	42	3,714	173.7	785.1	83.5	868.6	390.2	48.5	122.7	116.1	423.4	18.6
2849	Electronic equipment mfg n.e.c.	112	2,484	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
284	*Total*	*198*	*7,015*	*279.9*	*1,775.1*	*114.5*	*1,889.7*	*972.3*	*67.6*	*224.9*	*216.5*	*841.4*	*32.3*
	Electrical equipment and appliance mfg												
2851	Household appliance mfg	86	4,187	112.6	605.0	31.5	636.5	347.9	31.7	128.1	128.5	257.3	10.7
2852	Electric cable and wire mfg	21	1,645	60.7	460.1	0.6	460.8	248.8	18.7	46.6	56.0	202.8	11.5
2853	Battery mfg	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2854	Electric light and sign mfg	47	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2859	Electrical equipment mfg n.e.c.	180	3,341	101.2	407.5	15.1	422.6	208.4	20.8	85.6	89.3	197.1	7.9
285	*Total*	*335*	*10,280*	*307.9*	*1,622.1*	*52.9*	*1,675.0*	*878.4*	*84.9*	*285.9*	*298.4*	*724.2*	*38.6*
	Industrial machinery and equipment mfg—												
2861	Agricultural machinery mfg	81	833	21.6	75.2	5.3	80.5	37.8	4.9	16.1	15.3	37.0	1.1
2862	Mining and construction machinery mfg	36	509	15.6	84.6	1.6	86.1	56.5	6.2	20.7	23.0	25.8	2.5
2863	Food processing machinery mfg	39	579	22.2	51.4	4.4	55.8	25.3	3.8	7.4	7.0	26.2	-0.6
2864	Machine tool and part mfg	256	3,420	100.6	301.6	18.1	319.7	113.7	28.1	35.5	37.9	180.3	10.3
2865	Lifting and material handling equipment mfg	91	2,028	79.2	221.0	113.0	334.1	151.7	16.7	41.9	36.6	160.3	2.4
2866	Pump and compressor mfg	34	1,164	36.4	161.2	15.6	176.9	90.3	21.5	42.2	36.4	59.3	3.1
2867	Commercial space heating and cooling equipment mfg	25	681	19.7	85.7	6.2	91.9	51.3	6.3	20.8	19.0	32.4	3.0
2869	Industrial machinery and equipment mfg n.e.c.	360	4,480	134.2	467.5	46.2	513.8	233.9	47.8	62.3	69.9	239.6	6.9
286	*Total*	*921*	*13,693*	*429.5*	*1,448.2*	*210.5*	*1,658.7*	*760.5*	*135.2*	*246.9*	*245.1*	*761.1*	*28.7*
28	***Total machinery and equipment mfg***	***2,294***	***71,064***	***2,321.0***	***12,179.4***	***932.6***	***13,112.0***	***7,723.5***	***576.8***	***1,693.7***	***1,742.6***	***4,860.6***	***602.7***
	OTHER MANUFACTURING—												
	Prefabricated building mfg—												
2911	Prefabricated metal building mfg	51	435	9.8	61.5	6.2	67.6	37.0	8.3	3.7	4	23.3	2.1
2919	Prefabricated building mfg n.e.c.	13	153	3.3	13.5	0.3	13.8	6.5	1.4	1.5	1	5.7	0.2
291	*Total*	*64*	*588*	*13.0*	*74.9*	*6.5*	*81.4*	*43.5*	*9.7*	*5.1*	*5*	*29.1*	*2.3*
	Furniture mfg												
2921	Wooden furniture and upholstered seat mfg	889	7,151	161.1	597.4	38.5	635.9	297.3	51.6	55.7	61.1	292.4	5.3
2922	Sheet metal furniture mfg	44	681	18.7	65.6	0.4	66.1	33.7	5.8	7.7	7.8	26.7	0.9
2923	Mattress mfg (except rubber)	37	1,041	27.2	139.7		139.8	85.3	12.2	18.4	21.0	44.8	1.1
2929	Furniture mfg n.e.c.	133	1,676	41.8	168.8	1.3	170.1	84.5	13.4	12.6	14.4	74.0	1.9
292	*Total*	*1,103*	*10,549*	*248.8*	*971.5*	*40.3*	*1,011.8*	*500.7*	*83.0*	*94.4*	*104.3*	*438.0*	*9.2*

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, VICTORIA, 1992 93 - *continued*

Industry class		*Establishments at 30 June (b)*	*Employment at end of June (c)*	*Wages and salaries (d)*	*Turnover*								
ANZSIC code	*Description*	*(No.)*	*(No.)*	*($m)*	*Total sales of goods and transfers out ($m)*	*Balance of turnover ($m)*	*Total ($m)*	*Purchases and transfers in ($m)*	*Selected expenses ($m)*	*Opening stocks ($m)*	*Closing stocks ($m)*	*Value added ($m)*	*Net capital expenditure ($m)*
	Miscellaneous manufacturing—												
2941	Jewellery and silverware mfg	121	879	19.3	105.3	2.4	107.7	61.8	4.5	14.9	15.5	42.1	4.6
2942	Toy and sporting good mfg	61	632	14.5	68.3	2.0	70.4	32.1	5.3	13.5	14.9	34.5	1.0
2949	Manufacturing n.e.c.	275	1,741	37.8	146.4	9.1	155.6	52.2	17.9	14.2	15.2	86.4	2.4
294	*Total*	*457*	*3,252*	*71.6*	*320.1*	*13.6*	*333.6*	*146.1*	*27.7*	*42.6*	*45.7*	*163.0*	*8.1*
29	***Total other manufacturing***	***1,625***	***14,389***	***333.5***	***1,366.5***	***60.3***	***1,426.8***	***690.3***	***120.4***	***142.1***	***155.9***	***630.0***	***19.6***
21–29	**TOTAL MANUFACTURING**	**11,692**	**284,013**	**8,973.8**	**52,461.3**	**2,507.4**	**54,968.7**	**29,475.1**	**3,952.3**	**6,323.9**	**6,470.2**	**21,687.6**	**2,319.9**

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 5 to 11 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, VICTORIA, 1989-90 AND 1992–93

Industry class		Persons employed per establishment (b) (No.)		Turnover per person employed (c)(d) ($'000)		Value added per person employed (c)(d) ($'000)		Wages and salaries per employee (d)(e) ($'000)		Ratio of— Value added to turnover		Ratio of— Wages and salaries to value added	
ANZSIC code	Description	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93
	FOOD, BEVERAGE AND TOBACCO MFG—												
	Meat and meat product mfg—												
2111	Meat processing	55	48	200.9	235.2	52.6	60.7	25.0	30.6	0.26	0.26	0.47	0.50
2112	Poultry processing	53	74	159.3	185.8	41.8	60.7	20.3	24.3	0.26	0.33	0.48	0.40
2113	Bacon, ham and smallgood mfg	53	57	151.0	160.0	48.1	53.8	25.0	28.2	0.32	0.34	0.52	0.52
211	*Total*	*54*	*55*	*182.7*	*207.5*	*49.6*	*59.1*	*24.1*	*28.7*	*0.27*	*0.29*	*0.48*	*0.48*
	Dairy product mfg—												
2121	Milk and cream processing	85	126	377.1	n.p.	100.9	n.p.	27.4	n.p.	0.27	n.p.	0.27	n.p.
2122	Ice cream mfg	94	43	176.2	n.p.	78.0	n.p.	25.3	n.p.	0.44	n.p.	0.32	n.p.
2129	Dairy product mfg n.e.c.	95	119	322.9	370.0	80.2	122.9	25.2	32.1	0.25	0.33	0.31	0.26
212	*Total*	*92*	*109*	*317.8*	*369.4*	*84.8*	*119.5*	*25.8*	*33.2*	*0.27*	*0.32*	*0.30*	*0.28*
213	*Fruit and vegetable processing*	*63*	*63*	*198.5*	*261.4*	*82.0*	*105.7*	*23.7*	*31.0*	*0.41*	*0.40*	*0.29*	*0.29*
214	*Oil and fat mfg*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
	Flour mill and cereal food mfg—												
2151	Flour mill product mfg	78	82	286.1	320.1	85.3	90.0	31.7	36.4	0.30	0.28	0.37	0.40
2152	Cereal food and baking mix mfg	47	86	187.0	217.1	95.3	101.6	28.2	28.0	0.51	0.47	0.29	0.28
215	*Total*	*55*	*84*	*223.3*	*249.0*	*91.6*	*98.0*	*29.5*	*30.6*	*0.41*	*0.39*	*0.32*	*0.31*
	Bakery product mfg—												
2161	Bread mfg	20	28	75.5	85.1	38.0	47.8	18.7	25.0	0.50	0.56	0.48	0.51
2162	Cake and pastry mfg	25	22	72.1	89.4	39.4	40.9	20.3	22.1	0.55	0.46	0.50	0.52
2163	Biscuit mfg	109	82	91.6	109.4	46.8	49.3	24.7	27.3	0.51	0.45	0.53	0.55
216	*Total*	*27*	*29*	*78.0*	*91.2*	*40.5*	*45.9*	*20.7*	*24.5*	*0.52*	*0.50*	*0.50*	*0.52*
	Other food mfg—												
2171	Sugar mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2172	Confectionery mfg	80	66	142.5	176.4	70.9	81.3	26.9	35.1	0.50	0.46	0.38	0.43
2173	Seafood processing	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2174	Prepared animal and bird feed mfg	54	31	347.5	425.2	141.5	94.4	25.8	46.0	0.41	0.22	0.18	0.49
2179	Food mfg n.e.c.	35	30	231.2	216.8	106.0	89.5	27.3	28.0	0.46	0.41	0.26	0.31
217	*Total*	*46*	*40*	*228.6*	*246.0*	*101.1*	*86.0*	*27.0*	*34.2*	*0.44*	*0.35*	*0.27*	*0.40*

For footnotes see end of table

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, VICTORIA, 1989 90 AND 1992 93 *continued*

Industry class		*Persons employed per establishment (b) (No.)*		*Turnover per person employed (c)(d) ($'000)*		*Value added per person employed (c)(d) ($'000)*		*Wages and salaries per employee (d)(e) ($'000)*		*Ratio of - Value added to turnover*		*Ratio of - Wages and salaries to value added*	
ANZSIC code	*Description*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*
	Beverage and malt mfg—												
2181	Soft drink, cordial and syrup mfg	63	n.p.	337.5	n.p.	125.3	n.p.	34.1	n.p.	0.37	n.p.	0.27	n.p.
2182	Beer and malt mfg	114	169	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2183	Wine mfg	16	25	n.p.	249.0	n.p.	108.7	n.p.	26.7	n.p.	0.44	n.p.	0.23
2184	Spirit mfg	44	n.p.	147.4	n.p.	117.6	n.p.	23.7	n.p.	0.80	n.p.	0.20	n.p.
218	*Total*	*41*	*46*	*306.2*	*387.5*	*153.1*	*171.0*	*30.9*	*37.4*	*0.50*	*0.44*	*0.20*	*0.22*
219	*Tobacco product mfg*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p*
21	***Total food, beverage and tobacco mfg***	***45***	***48***	***208.3***	***248.5***	***79.6***	***92.3***	***25.4***	***31.3***	***0.38***	***0.37***	***0.32***	***0.34***
	TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG												
	Textile fibre, yarn and woven fabric mfg												
2211	Wool scouring	24	38	124.1	164.8	50.4	89.5	29.9	34.4	0.41	0.54	0.59	0.39
2212	Synthetic fibre textile mfg	84	66	117.1	144.6	54.3	63.1	24.4	33.8	0.46	0.44	0.45	0.54
2213	Cotton textile mfg	51	37	97.3	135.0	42.5	50.8	26.0	29.6	0.44	0.38	0.61	0.58
2214	Wool textile mfg	118	89	112.6	117.2	34.6	44.2	25.1	25.3	0.31	0.38	0.73	0.57
2215	Textile finishing	32	34	120.6	131.7	54.5	62.6	28.3	31.0	0.45	0.48	0.51	0.49
221	*Total*	*62*	*52*	*113.6*	*136.0*	*47.8*	*58.7*	*25.6*	*31.0*	*0.42*	*0.43*	*0.53*	*0.53*
	Textile product mfg												
2221	Made-up textile product mfg	11	11	89.4	124.0	36.0	47.0	19.9	23.9	0.40	0.38	0.54	0.46
2222	Textile floor covering mfg	64	49	183.2	177.2	60.1	75.6	25.2	29.4	0.33	0.43	0.42	0.39
2223	Rope, cordage and twine mfg	25	48	120.0	155.5	66.1	95.7	26.6	27.8	0.55	0.62	0.40	0.29
2229	Textile product mfg n.e.c.	28	19	153.7	154.9	81.4	72.4	25.7	25.4	0.53	0.47	0.31	0.35
222	*Total*	*25*	*23*	*150.1*	*158.8*	*57.0*	*70.0*	*25.9*	*27.4*	*0.38*	*0.44*	*0.42*	*0.38*
	Knitting mills—												
2231	Hosiery mfg	83	74	n.p.	99.7	n.p.	58.9	n.p.	26.7	n.p.	0.59	n.p.	0.45
2232	Cardigan and pullover mfg	30	18	n.p.	78.0	n.p.	42.1	n.p.	22.1	n.p.	0.54	n.p.	0.52
2239	Knitting mill product mfg n.e.c.	29	29	133.9	160.6	53.8	62.0	22.9	29.7	0.40	0.39	0.42	0.47
223	*Total*	*37*	*34*	*92.0*	*119.1*	*41.9*	*57.0*	*21.9*	*27.0*	*0.45*	*0.48*	*0.52*	*0.47*
	Clothing mfg—												
2241	Men's and boys' wear mfg	58	31	66.3	84.1	32.6	43.1	19.3	23.1	0.49	0.51	0.59	0.53
2242	Women's and girls' wear mfg	17	11	75.8	103.8	35.8	40.4	18.6	20.1	0.47	0.39	0.51	0.47
2243	Sleepwear, underwear and infant clothing mfg	58	70	n.p.	97.7	n.p.	56.9	n.p.	25.0	n.p.	0.58	n.p.	0.44
2249	Clothing mfg n.e.c.	14	9	n.p.	91.0	n.p.	37.2	n.p.	20.6	n.p.	0.41	n.p.	0.52
224	*Total*	*24*	*16*	*64.4*	*93.2*	*30.8*	*43.0*	*17.4*	*22.0*	*0.48*	*0.46*	*0.56*	*0.49*

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, VICTORIA, 1989–90 AND 1992–93 *continued*

Industry class		Persons employed per establishment (b) (No.)		Turnover per person employed (c)(d) ($'000)		Value added per person employed (c)(d) ($'000)		Wages and salaries per employee (d)(e) ($'000)		Ratio of — Value added to turnover		Ratio of — Wages and salaries to value added	
ANZSIC code	Description	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93
225	*Footwear mfg*	*43*	*31*	*74.3*	*86.2*	*35.6*	*41.0*	*20.6*	*23.0*	*0.48*	*0.48*	*0.58*	*0.55*
	Leather and leather product mfg—												
2261	Leather tanning and fur dressing	27	30	210.8	237.3	52.2	57.7	26.3	28.0	0.25	0.24	0.50	0.48
2262	Leather and leather substitute product mfg	13	13	80.4	83.4	38.4	44.3	19.7	20.9	0.48	0.53	0.51	0.45
226	*Total*	*21*	*21*	*176.2*	*189.1*	*48.6*	*53.5*	*24.6*	*25.8*	*0.28*	*0.28*	*0.50*	*0.48*
22	***Total textile, clothing, footwear and leather mfg***	***30***	***23***	***89.9***	***118.5***	***39.1***	***52.3***	***20.7***	***25.7***	***0.44***	***0.44***	***0.52***	***0.48***
	WOOD AND PAPER PRODUCT MFG												
	Log sawmilling and timber dressing—												
2311	Log sawmilling	18	17	95.0	121.5	53.6	60.6	22.2	26.0	0.56	0.50	0.41	0.42
2312	Wood chipping	13	n.p.	184.1	n.p.	106.6	n.p.	23.3	n.p.	0.58	n.p.	0.22	n.p.
2313	Timber resawing and dressing	3	n.p.	127.6	n.p.	53.7	n.p.	28.5	n.p.	0.42	n.p.	0.53	n.p.
231	*Total*		*20*	*107.9*	*137.1*	*54.2*	*62.8*	*24.5*	*26.4*	*0.50*	*0.46*	*0.45*	*0.42*
	Other wood product mfg—												
2321	Plywood and veneer mfg		19	121.0	162.6	44.4	60.2	22.7	27.5	0.37	0.37	0.51	0.46
2322	Fabricated wood mfg		55	151.7	183.9	34.9	37.3	29.1	32.6	0.23	0.20	0.83	0.87
2323	Wooden structural component mfg		9	93.4	106.2	40.1	46.7	22.1	25.8	0.43	0.44	0.53	0.55
2329	Wood product mfg n.e.c.		8	86.1	97.0	38.2	43.8	21.3	23.7	0.44	0.45	0.53	0.51
232	*Total*		*10*	*98.7*	*115.1*	*39.1*	*45.4*	*22.7*	*26.1*	*0.40*	*0.39*	*0.56*	*0.55*
	Paper and paper product mfg—												
2331	Pulp, paper and paperboard mfg		48	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2332	Solid paperboard container mfg	4	45	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2333	Corrugated paperboard container mfg	83	144	178.4	255.2	54.0	69.4	30.9	44.6	0.30	0.27	0.57	0.64
2334	Paper bag and sack mfg	50	43	172.1	231.1	70.5	97.5	26.6	27.7	0.41	0.42	0.38	0.28
2339	Paper product mfg n.e.c.	51	36	172.2	285.2	75.3	127.4	28.1	35.3	0.44	0.45	0.37	0.28
233	*Total*	*67*	*52*	*195.2*	*270.8*	*85.5*	*93.6*	*32.7*	*40.4*	*0.44*	*0.35*	*0.38*	*0.43*
23	***Total wood and paper product mfg***	***18***	***17***	***140.9***	***187.2***	***61.3***	***69.6***	***27.3***	***32.6***	***0.44***	***0.37***	***0.44***	***0.46***
	PRINTING, PUBLISHING AND RECORDED MEDIA												
	Printing and services to printing												
2411	Paper stationery mfg	28	33	112.7	155.7	57.9	75.7	23.2	30.0	0.51	0.49	0.40	0.39
2412	Printing	16	17	105.6	125.8	51.0	61.8	28.0	32.3	0.48	0.49	0.54	0.52
2413	Services to printing	10	10	71.9	95.3	45.0	55.4	25.6	30.0	0.63	0.58	0.56	0.53
241	*Total*	*16*	*17*	*102.6*	*127.1*	*51.7*	*63.6*	*26.6*	*31.5*	*0.50*	*0.50*	*0.51*	*0.49*

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS(a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, VICTORIA, 1989-90 AND 1992-93 *continued*

Industry class		Persons employed per establishment (b) (No.)		Turnover per person employed (c)(d) ($'000)		Value added per person employed (c)(d) ($'000)		Wages and salaries per employee (d)(e) ($'000)		Ratio of Value added to turnover		Ratio of Wages and salaries to value added	
ANZSIC code	*Description*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*
	Publishing												
2421	Newspaper printing or publishing	40	33	102.2	123.5	68.4	84.9	28.9	37.0	0.67	0.69	0.42	0.43
2422	Other periodical publishing	n.p.	17	n.p.	219.9	n.p.	102.3	n.p.	33.3	n.p.	0.47	n.p.	0.32
2423	Book and other publishing	26	20	n.p.	237.1	n.p.	189.0	n.p.	32.1	n.p.	0.80	n.p.	0.17
242	*Total*	*n.p.*	*27*	*n.p.*	*152.2*	*n.p.*	*102.1*	*n.p.*	*35.8*	*n.p.*	*0.67*	*n.p.*	*0.35*
243	*Recorded media manufacturing and publishing*	*n.p.*	*8*	*n.p.*	*204.1*	*n.p.*	*101.6*	*n.p.*	*25.9*	*n.p.*	*0.50*	*n.p.*	*0.26*
24	***Total printing, publishing and recorded media***	***21***	***19***	***108.7***	***136.2***	***67.8***	***77.3***	***27.8***	***33.0***	***0.62***	***0.57***	***0.41***	***0.42***
	PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG—												
251	*Petroleum refining*	*205*	*127*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
252	*Petroleum and coal product mfg n.e.c.*	*21*	*18*	*174.6*	*195.9*	*75.7*	*65.1*	*27.7*	*30.7*	*0.43*	*0.33*	*0.37*	*0.47*
	Basic chemical mfg—												
2531	Fertiliser mfg	24	22	472.9	574.7	108.1	198.3	27.4	35.5	0.23	0.34	0.25	0.18
2532	Industrial gas mfg	89	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2533	Synthetic resin mfg	76	70	407.1	450.8	132.5	142.9	45.6	47.7	0.33	0.32	0.34	0.33
2534	Organic industrial chemical mfg n.e.c.	34	26	385.6	525.0	124.5	161.4	38.0	56.9	0.32	0.31	0.30	0.35
2535	Inorganic industrial chemical mfg n.e.c.	29	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
253	*Total*	*48*	*40*	*381.3*	*439.8*	*121.8*	*145.1*	*40.5*	*46.3*	*0.32*	*0.33*	*0.33*	*0.32*
	Other chemical product mfg												
2541	Explosive mfg	79	68	173.1	127.8	93.3	65.7	29.0	35.1	0.54	0.51	0.31	0.53
2542	Paint mfg	41	39	209.6	257.8	82.6	113.7	29.6	37.8	0.39	0.44	0.36	0.33
2543	Medicinal and pharmaceutical product mfg	98	112	183.9	237.0	66.2	109.9	33.4	37.1	0.36	0.46	0.50	0.34
2544	Pesticide mfg	37	45	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2545	Soap and other detergent mfg	26	24	176.6	243.8	81.9	99.3	29.1	33.0	0.46	0.41	0.35	0.33
2546	Cosmetic and toiletry preparation mfg	28	24	159.0	n.p.	82.5	n.p.	24.7	n.p.	0.52	n.p.	0.30	n.p.
2547	Ink mfg	44	35	n.p.	194.3	n.p.	55.4	n.p.	32.8	n.p.	0.28	n.p.	0.59
2549	Chemical product mfg n.e.c.	24	22	172.2	220.6	75.7	92.4	26.0	35.8	0.44	0.42	0.34	0.39
254	*Total*	*40*	*42*	*190.3*	*237.6*	*79.0*	*103.1*	*30.0*	*35.8*	*0.41*	*0.43*	*0.38*	*0.35*
	Rubber product mfg												
2551	Rubber tyre mfg	103	107	n.p.	228.1	n.p.	101.6	n.p.	44.9	n.p.	0.45	n.p.	0.44
2559	Rubber product mfg n.e.c.	45	24	128.5	n.p.	95.7	n.p.	25.2	n.p.	0.51	n.p.	0.38	n.p.
255	*Total*	*63*	*53*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, VICTORIA, 1989–90 AND 1992–93—*continued*

Industry class		Persons employed per establishment (b) (No.)		Turnover per person employed (c)(d) ($'000)		Value added per person employed (c)(d) ($'000)		Wages and salaries per employee (d)(e) ($'000)		Ratio of— Value added to turnover		Ratio of— Wages and salaries to value added	
ANZSIC code	Description	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93
	Plastic product mfg												
2561	Plastic blow moulded product mfg	45	37	158.4	158.2	68.2	85.2	26.9	30.4	0.43	0.54	0.39	0.36
2562	Plastic extruded product mfg	39	43	142.3	184.0	58.1	77.8	27.3	33.2	0.41	0.42	0.47	0.43
2563	Plastic bag and film mfg	41	48	179.7	214.0	76.6	98.2	29.2	37.7	0.43	0.46	0.38	0.38
2564	Plastic product, rigid fibre reinforced, mfg	59	23	153.2	178.6	79.3	78.4	29.6	33.7	0.52	0.44	0.37	0.42
2565	Plastic foam product mfg	37	32	143.7	181.6	47.2	73.6	27.8	30.5	0.33	0.41	0.59	0.41
2566	Plastic injection moulded product mfg	20	21	116.9	132.0	54.3	69.0	24.7	27.0	0.46	0.52	0.45	0.39
256	*Total*	*28*	*29*	*141.8*	*167.0*	*62.9*	*80.3*	*26.8*	*31.4*	*0.44*	*0.48*	*0.42*	*0.39*
25	***Total petroleum, coal, chemical and associated product mfg***	***38***	***37***	***257.4***	***283.6***	***98.5***	***108.4***	***30.6***	***37.2***	***0.38***	***0.38***	***0.31***	***0.34***
	NON-METALLIC MINERAL PRODUCT MFG—												
261	*Glass and glass product mfg*	*32*	*66*	*n.p.*	*242.1*	*n.p.*	*140.3*	*n.p.*	*42.2*	*n.p.*	*0.58*	*n.p.*	*0.30*
	Ceramic mfg—												
2621	Clay brick mfg	51	43	147.2	159.9	90.3	78.2	37.4	39.1	0.61	0.49	0.41	0.50
2622	Ceramic product mfg	13	15	69.6	74.1	44.5	44.2	22.3	24.3	0.64	0.60	0.49	0.54
2623	Ceramic tile and pipe mfg	51	29	81.4	118.5	50.7	64.8	25.9	31.0	0.62	0.55	0.51	0.47
2629	Ceramic product mfg n.e.c.	13	25	67.8	134.8	41.0	63.6	24.6	32.6	0.61	0.47	0.57	0.48
262	*Total*	*27*	*30*	*97.6*	*135.5*	*60.0*	*67.7*	*29.1*	*33.8*	*0.62*	*0.50*	*0.48*	*0.49*
	Cement, lime, plaster and concrete product mfg												
2631	Cement and lime mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2632	Plaster product mfg	23	39	n.p.	320.7	n.p.	171.7	n.p.	37.4	n.p.	0.54	n.p.	0.21
2633	Concrete slurry mfg	8	18	504.8	397.9	90.8	52.0	33.5	32.7	0.18	0.13	0.37	0.61
2634	Concrete pipe and box culvert mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2635	Concrete product mfg n.e.c.	16	13	132.9	151.5	68.8	78.7	29.2	31.8	0.52	0.52	0.42	0.39
263	*Total*	*16*	*18*	*247.9*	*253.2*	*86.7*	*91.8*	*31.9*	*34.5*	*0.35*	*0.36*	*0.36*	*0.37*
264	*Non-metallic mineral product mfg n.e.c.*	*20*	*16*	*n.p.*	*211.9*	*n.p.*	*82.9*	*n.p.*	*35.9*	*n.p.*	*0.39*	*n.p.*	*0.43*
26	***Total non-metallic mineral product mfg***	***21***	***23***	***177.2***	***209.1***	***85.6***	***91.6***	***31.3***	***35.9***	***0.48***	***0.44***	***0.36***	***0.38***
	METAL PRODUCT MFG												
	Iron and steel mfg												
2711	Basic iron and steel mfg	47	37	436.6	517.6	99.5	131.5	34.3	42.9	0.23	0.25	0.34	0.32
2712	Iron and steel casting and forging	42	26	101.1	98.5	50.6	54.4	27.4	27.4	0.50	0.55	0.54	0.50
2713	Steel pipe and tube mfg	27	24	190.7	212.0	82.5	78.8	30.7	39.1	0.43	0.37	0.37	0.50
271	*Total*	*43*	*31*	*278.3*	*340.0*	*77.6*	*99.1*	*31.1*	*36.9*	*0.28*	*0.29*	*0.40*	*0.37*

For footnotes see end of table

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, VICTORIA, 1989 90 AND 1992 93 *continued*

Industry class ANZSIC code	*Description*	*Persons employed per establishment (b) (No.)*		*Turnover per person employed (c)(d) ($'000)*		*Value added per person employed (c)(d) ($'000)*		*Wages and salaries per employee (d)(e) ($'000)*		*Ratio of– Value added to turnover*		*Ratio of– Wages and salaries to value added*	
		1989–90	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*
	Basic non-ferrous metal mfg—												
2721	Alumina production	..	..	—	—		—	—	—	—	—		
2722	Aluminium smelting	n.p.	331	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2723	Copper, silver, lead and zinc smelting, refining	n.p.	6	n.p.	215.2	n.p.	79.4	n.p.	29.8	n.p.	0.37	n.p.	0.38
2729	Basic non-ferrous metal mfg n.e.c.	24	29	304.3	n.p.	80.2	n.p.	29.7	n.p.	0.26	n.p.	0.37	n.p.
272	*Total*	*88*	*78*	*n.p.*	*468.0*	*n.p.*	*120.5*	*n.p.*	*45.9*	*n.p.*	*0.26*	*n.p.*	*0.38*
	Non-ferrous basic metal product mfg—												
2731	Aluminium rolling, drawing, extruding	86	74	323.7	339.9	66.4	109.7	31.9	35.5	0.21	0.32	0.48	0.32
2732	Non-ferrous metal rolling, drawing, extruding n.e.c.	55	42	n.p.	180.4	n.p.	66.1	n.p.	29.0	n.p.	0.37	n.p.	0.44
2733	Non-ferrous metal casting	15	14	112.6	140.9	38.0	71.0	29.5	32.1	0.34	0.50	0.77	0.45
273	*Total*	*37*	*34*	*n.p.*	*253.9*	*n.p.*	*89.6*	*n.p.*	*33.0*	*n.p.*	*0.35*	*n.p.*	*0.37*
	Structural metal product mfg—												
2741	Structural steel fabricating		15	160.4	199.2	58.4	70.8	27.1	30.9	0.36	0.36	0.46	0.43
2742	Architectural aluminium product mfg		11	119.1	128.7	43.4	49.9	22.7	27.1	0.36	0.39	0.51	0.53
2749	Structural metal product mfg n.e.c.		9	128.1	149.9	55.0	69.5	24.4	28.7	0.43	0.46	0.43	0.38
274	*Total*		*12*	*138.6*	*168.4*	*51.8*	*63.3*	*24.9*	*29.3*	*0.37*	*0.38*	*0.47*	*0.45*
	Sheet metal product mfg—												
2751	Metal container mfg	48	55	251.8	307.4	89.3	90.1	31.8	35.5	0.35	0.29	0.36	0.39
2759	Sheet metal product mfg n.e.c.	1	16	126.1	136.9	56.2	64.6	27.2	27.8	0.45	0.47	0.48	0.43
275	*Total*	*24*	*20*	*152.2*	*187.4*	*63.1*	*72.1*	*28.2*	*30.1*	*0.41*	*0.38*	*0.44*	*0.42*
	Fabricated metal product mfg												
2761	Hand tool and general hardware mfg	13	11	79.5	90.1	44.6	45.2	24.2	26.6	0.56	0.50	0.53	0.58
2762	Spring and wire product mfg	27	22	107.4	187.7	54.1	72.8	26.4	27.5	0.50	0.39	0.48	0.38
2763	Nut, bolt, screw and rivet mfg	54	31	128.3	176.5	55.0	73.9	28.4	35.7	0.43	0.42	0.52	0.48
2764	Metal coating and finishing	9	10	81.3	91.7	45.0	48.6	24.3	26.9	0.55	0.53	0.53	0.54
2765	Non-ferrous pipe fitting mfg	48	47	101.0	114.4	59.2	58.1	27.9	29.0	0.59	0.51	0.47	0.50
2769	Fabricated metal product mfg n.e.c.	16	17	82.1	103.5	43.7	59.4	24.9	30.5	0.53	0.57	0.56	0.51
276	*Total*	*18*	*17*	*93.2*	*121.2*	*48.4*	*60.0*	*25.8*	*29.6*	*0.52*	*0.50*	*0.53*	*0.49*
27	***Total metal product mfg***	***22***	***19***	***171.5***	***207.1***	***69.0***	***74.8***	***28.1***	***32.1***	***0.40***	***0.36***	***0.40***	***0.42***

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, VICTORIA, 1989 90 AND 1992-93 *continued*

Industry class		*Persons employed per establishment (b)* (No.)		*Turnover per person employed (c)(d)* ($'000)		*Value added per person employed (c)(d)* ($'000)		*Wages and salaries per employee (d)(e)* ($'000)		*Ratio of—* *Value added to turnover*		*Ratio of—* *Wages and salaries to value added*	
ANZSIC code	*Description*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*
	MACHINERY AND EQUIPMENT MFG—												
	Motor vehicle and part mfg—												
2811	Motor vehicle mfg	533	339	216.8	310.2	66.5	65.2	27.6	29.2	0.31	0.21	0.41	0.45
2812	Motor vehicle body mfg	17	16	119.7	133.8	51.5	60.1	24.6	25.5	0.43	0.45	0.47	0.42
2813	Automotive electrical and instrument mfg	252	156	116.0	167.0	55.1	47.2	23.2	28.9	0.48	0.28	0.42	0.61
2819	Automotive component mfg n.e.c.	50	33	96.0	113.6	50.8	55.8	25.8	29.4	0.53	0.49	0.51	0.53
281	*Total*	*93*	*61*	*159.8*	*215.0*	*59.2*	*59.4*	*26.3*	*29.0*	*0.37*	*0.28*	*0.44*	*0.49*
	Other transport equipment mfg —												
2821	Shipbuilding	133	87	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2822	Boatbuilding	10	12	96.3	89.5	52.7	47.7	25.7	26.8	0.55	0.53	0.47	0.56
2823	Railway equipment mfg	83	86	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2824	Aircraft mfg	133	166	73.8	81.9	39.8	46.7	34.3	42.4	0.54	0.57	0.86	0.91
2829	Transport equipment mfg n.e.c.	11	12	122.3	113.3	45.1	49.1	23.3	20.1	0.37	0.43	0.51	0.41
282	*Total*	*58*	*68*	*120.5*	*132.7*	*48.3*	*56.9*	*34.7*	*40.3*	*0.40*	*0.43*	*0.71*	*0.71*
	Photographic and scientific equipment mfg												
2831	Photographic and optical good mfg	:	22	203.7	n.p.	59.7	n.p.	32.7	n.p.	0.29	n.p.	0.54	n.p.
2832	Medical and surgical equipment mfg		6	68.0	n.p.	41.4	n.p.	27.9	n.p.	0.61	n.p.	0.64	n.p.
2839	Professional and scientific equipment mfg n.e.c.		31	123.7	158.9	76.6	103.6	29.8	38.2	0.62	0.65	0.39	0.36
283	*Total*		*14*	*129.8*	*179.4*	*58.6*	*99.9*	*30.1*	*36.2*	*0.45*	*0.56*	*0.50*	*0.35*
	Electronic equipment mfg												
2841	Computer and business machine mfg	11	19	349.6	n.p.	69.7	n.p.	33.3	n.p.	0.20	n.p.	0.48	n.p.
2842	Telecommunication, broadcasting and transceiving equipment mfg	101	88	185.2	220.1	79.0	107.3	26.7	44.0	0.43	0.49	0.34	0.41
2849	Electronic equipment mfg n.e.c.	21	22	109.2	n.p.	55.7	n.p.	29.8	n.p.	0.51	n.p.	0.53	n.p.
284	*Total*	*35*	*35*	*163.9*	*261.4*	*69.4*	*116.4*	*28.3*	*38.7*	*0.42*	*0.45*	*0.41*	*0.33*
	Electrical equipment and appliance mfg—												
2851	Household appliance mfg	45	49	121.6	158.6	49.8	64.1	23.8	28.3	0.41	0.40	0.48	0.44
2852	Electric cable and wire mfg	67	78	n.p.	281.3	n.p.	123.8	n.p.	37.0	n.p.	0.44	n.p.	0.30
2853	Battery mfg	13	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n p.	n.p.	n.p.	n.p.	n p.
2854	Electric light and sign mfg	28	n.p.	107.0	n.p.	47.6	n.p.	24.6	n.p.	0.45	n.p.	0.52	n.p.
2859	Electrical equipment mfg n.e.c.	22	19	122.0	123.2	64.1	57.4	27.7	29.6	0.53	0.47	0.43	0.51
285	*Total*	*32*	*31*	*133.2*	*161.4*	*60.0*	*69.8*	*26.0*	*29.8*	*0.45*	*0.43*	*0.43*	*0.43*

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, VICTORIA, 1989 90 AND 1992 93 *continued*

Industry class		*Persons employed per establishment (b)* (No.)		*Turnover per person employed (c)(d)* ($'000)		*Value added per person employed (c)(d)* ($'000)		*Wages and salaries per employee (d)(e)* ($'000)		*Ratio of - - Value added to turnover*		*Ratio of - - Wages and salaries to value added*	
ANZSIC code	*Description*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*	*1989–90*	*1992–93*
	Industrial machinery and equipment mfg —												
2861	Agricultural machinery mfg	13	10	93.6	97.6	54.0	44.9	25.0	27.3	0.58	0.46	0.45	0.58
2862	Mining and construction machinery mfg	24	14	144.5	175.4	60.2	52.5	28.8	32.3	0.42	0.30	0.47	0.60
2863	Food processing machinery mfg	20	15	113.6	96.8	46.8	45.5	27.3	38.6	0.41	0.47	0.58	0.85
2864	Machine tool and part mfg	14	13	82.3	96.4	45.9	54.4	27.2	30.4	0.56	0.56	0.59	0.56
2865	Lifting and material handling equipment mfg	28	22	126.6	161.1	49.2	77.3	31.8	38.5	0.39	0.48	0.65	0.49
2866	Pump and compressor mfg	48	34	135.7	152.6	57.3	51.2	27.8	31.4	0.42	0.34	0.48	0.61
2867	Commercial space heating and cooling equipment mfg	38	27	120.1	136.4	53.9	48.1	27.3	29.8	0.45	0.35	0.50	0.61
2869	Industrial machinery and equipment mfg n.e.c.	12	12	96.5	116.9	50.1	54.5	27.3	31.0	0.52	0.47	0.54	0.56
286	*Total*	*17*	*15*	*106.1*	*122.8*	*50.4*	*56.3*	*28.0*	*32.1*	*0.48*	*0.46*	*0.55*	*0.56*
28	***Total machinery and equipment mfg***	***37***	***31***	***141.7***	***182.5***	***57.5***	***67.7***	***27.6***	***32.5***	***0.41***	***0.37***	***0.48***	***0.48***
	OTHER MANUFACTURING												
	Prefabricated building mfg												
2911	Prefabricated metal building mfg	12	9	152.7	161.8	59.9	55.8	22.7	24.0	0.39	0.34	0.37	0.42
2919	Prefabricated building mfg n.e.c.	8	12	166.4	95.1	45.6	39.5	21.3	23.3	0.27	0.42	0.45	0.57
291	*Total*	*11*	*9*	*155.6*	*144.9*	*56.9*	*51.7*	*22.4*	*23.8*	*0.37*	*0.36*	*0.39*	*0.45*
	Furniture mfg -												
2921	Wooden furniture and upholstered seat mfg	9	8	76.1	89.7	33.8	41.3	23.5	24.5	0.44	0.46	0.66	0.55
2922	Sheet metal furniture mfg	21	15	101.7	98.6	41.2	39.8	23.0	28.9	0.41	0.40	0.56	0.70
2923	Mattress mfg (except rubber)	31	28	117.8	130.0	53.8	41.7	23.1	25.7	0.46	0.32	0.43	0.61
2929	Furniture mfg n.e.c.	17	13	94.1	106.6	44.3	46.4	24.0	27.3	0.47	0.44	0.53	0.56
292	*Total*	*11*	*10*	*84.1*	*97.0*	*37.4*	*42.0*	*23.5*	*25.4*	*0.44*	*0.43*	*0.60*	*0.57*
	Miscellaneous manufacturing												
2941	Jewellery and silverware mfg	7	7	109.5	122.5	39.5	47.9	20.2	23.8	0.36	0.39	0.48	0.46
2942	Toy and sporting good mfg (f)	7	10	73.1	114.6	36.0	56.1	20.2	24.5	0.49	0.49	0.54	0.42
2949	Manufacturing n.e.c. (f)		6		92.1		51.2		23.4		0.56		0.44
294	*Total*	*7*	*7*	*82.4*	*104.8*	*36.9*	*51.2*	*20.2*	*23.7*	*0.45*	*0.49*	*0.52*	*0.44*
29	***Total other manufacturing***	***10***	***9***	***87.5***	***100.7***	***38.3***	***44.5***	***22.7***	***24.9***	***0.44***	***0.44***	***0.57***	***0.53***
21–29	**TOTAL MANUFACTURING**	**27**	**24**	**154.3**	**192.2**	**64.4**	**75.8**	**26.5**	**31.8**	**0.42**	**0.39**	**0.41**	**0.41**

(a) See paragraph 8 of the Explanatory Notes. (b) Number of persons employed at the end of June (including working proprietors) divided by the number of establishments in operation at 30 June. (c) Based on average employment over the whole year. Includes working proprietors. (d) Value data are at current prices and, therefore, do not discount the impact of price changes. (e) Based on average number of employees over the whole year. Excludes working proprietors and their drawings. (f) Data for 1989–90 for ANZSIC classes 2942 and 2949 have been combined.

TABLE 4. MANUFACTURING ESTABLISHMENTS (a): PERCENTAGE CHANGE IN GROSS PRODUCT AT FACTOR COST (AVERAGE 1989 90 PRICES) (b) BY INDUSTRY SUBDIVISION, VICTORIA, 1989–90 TO 1992–93

(%)

Industry subdivision					*1989 90 to 1992–93*	
ANZSIC code	*Description*	*1989 90 to 1990 91*	*1990–91 to 1991 92*	*1991 92 to 1992 93*	*Percentage movement*	*Change in gross product per person employed (c)*
21	Food, beverage and tobacco mfg	1.5	1.1	0.9	1.3	10.2
22	Textile, clothing, footwear and leather mfg	–7.1	–4.7	–5.0	–15.9	23.8
23	Wood and paper product mfg	–8.2	5.5	9.7	4.9	20.3
24	Printing, publishing and recorded media	2.9	5.8	5.2	3.8	5.9
25	Petroleum, coal, chemical and associated product mfg	0.1	2.0	1.2	–0.7	8.0
26	Non-metallic mineral product mfg	–14.6	–8.5	17.0	–8.5	11.8
27	Metal product mfg	–1.7	0.7	–9.8	–10.7	20.7
28	Machinery and equipment mfg	4.4	7.4	5.3	6.8	21.3
29	Other manufacturing	13.3	8.1	4.0	17.1	4.6
21–29	**Total manufacturing**	**–3.4**	**–3.8**	**1.2**	**–6.0**	**17.2**

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 18 to 20 of the Explanatory Notes. (c) Based on average employment over the whole year. Includes working proprietors.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, VICTORIA, 1992-93

Employment size group	Establishments at 30 June (b)		Employment at end of June (c)		Wages and salaries (d)(e)		Turnover (e)		Value added (e)		Net capital expenditure (e)		Value added per person employed (e)(e)(f)	Ratio of (e)	
	(No.)	(%)	(No.)	(%)	($m)	(%)	($m)	(%)	($m)	(%)	($m)	(%)	($'000)	Value added to turnover	Wages and salaries to value added
FOOD, BEVERAGE AND TOBACCO MFG															
0 - 3 persons	117	13.0	249	0.6	3.9	0.3	31.7	0.3	12.9	0.3	1.1	0.3	49.1	0.41	0.30
4 - 9 persons	354	39.4	2,195	5.0	47.0	3.4	330.9	3.0	110.9	2.7	14.1	3.5	47.6	0.34	0.42
10 - 19 persons	142	15.8	1,995	4.6	41.5	3.0	305.6	2.8	106.0	2.6	1.6	0.4	53.1	0.35	0.39
20 - 49 persons	119	13.3	3,614	8.3	89.9	6.6	816.1	7.5	246.3	6.0	21.0	5.1	68.6	0.30	0.37
50 - 99 persons	71	7.9	4,756	10.9	124.0	9.1	1,014.5	9.3	344.0	8.4	40.0	9.8	74.0	0.34	0.36
Total less than 100 persons	*802*	*89.3*	*12,809*	*29.5*	*306.5*	*22.4*	*2,498.8*	*22.9*	*820.0*	*20.1*	*77.8*	*19.1*	*63.9*	*0.33*	*0.37*
100 - 199 persons	44	4.9	6,275	14.4	192.3	14.1	1,930.1	17.7	662.5	16.2	77.0	18.9	104.9	0.34	0.29
200 - 499 persons	34	3.8	10,841	24.9	374.9	27.4	2,838.6	26.0	998.1	24.5	95.0	23.4	89.0	0.35	0.38
500 - 999 persons	15	1.7	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
1000 or more persons	3	0.3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total 100 or more persons	*96*	*10.7*	*30,657*	*70.5*	*1,061.7*	*77.6*	*8,403.4*	*77.1*	*3,257.7*	*79.9*	*329.1*	*80.9*	*104.1*	*0.39*	*0.33*
Total	**898**	**100.0**	**43,466**	**100.0**	**1,368.2**	**100.0**	**10,902.2**	**100.0**	**4,077.7**	**100.0**	**406.9**	**100.0**	**92.4**	**0.37**	**0.34**
TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG															
0 - 3 persons	451	28.9	966	2.6	13.5	1.5	90.5	2.1	33.5	1.7	0.7	0.9	33.0	0.37	0.40
4 - 9 persons	504	32.3	2,891	7.9	48.0	5.2	263.1	6.0	94.6	4.9	7.2	8.7	32.5	0.36	0.51
10 - 19 persons	266	17.1	3,710	10.1	74.6	8.1	357.9	8.2	153.6	8.0	5.3	6.4	42.4	0.43	0.49
20 - 49 persons	169	10.8	5,047	13.8	121.5	13.2	575.4	13.2	249.5	13.0	6.0	7.2	49.8	0.43	0.49
50 - 99 persons	72	4.6	5,031	13.8	136.0	14.7	704.4	16.2	300.6	15.6	10.5	12.7	59.8	0.43	0.45
Total less than 100 persons	*1,463*	*93.9*	*17,644*	*48.3*	*393.7*	*42.7*	*1,991.4*	*45.7*	*831.8*	*43.2*	*29.7*	*35.8*	*47.3*	*0.42*	*0.47*
100 - 199 persons	67	4.3	9,255	25.3	249.3	27.0	1,173.9	27.0	536.8	27.9	26.5	32.0	56.7	0.46	0.46
200 - 499 persons	23	1.5	6,131	16.8	183.9	19.9	709.5	16.3	340.6	17.7	13.7	16.5	54.7	0.48	0.54
500 - 999 persons	4	0.3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
1000 or more persons	1	0.1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total 100 or more persons	*95*	*6.1*	*18,909*	*51.7*	*528.6*	*57.3*	*2,363.7*	*54.3*	*1,092.4*	*56.8*	*53.2*	*64.2*	*57.1*	*0.46*	*0.48*
Total	**1,558**	**100.0**	**36,553**	**100.0**	**922.3**	**100.0**	**4,355.1**	**100.0**	**1,924.2**	**100.0**	**82.9**	**100.0**	**52.4**	**0.44**	**0.48**

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, VICTORIA, 1992–93 *continued*

Employment size group	Establishments at 30 June (b)		Employment at end of June (c)		Wages and salaries (d)(e)		Turnover (e)		Value added (e)		Net capital expenditure (e)		Value added per person employed (e)(e)(f)	Ratio of (e) · Value added to turnover	Ratio of (e) · Wages and salaries to value added
	(No.)	(%)	(No.)	(%)	($m)	(%)	($m)	(%)	($m)	(%)	($m)	(%)	($'000)		
WOOD AND PAPER PRODUCT MFG															
0 3 persons	219	25.4	470	3.2	7.1	1.5	36.1	1.3	16.6	1.6	1.7	1.8	34.6	0.46	0.43
4 – 9 persons	350	40.6	2,132	14.4	45.6	9.7	190.7	6.9	83.6	8.1	6.7	6.9	39.7	0.44	0.55
10 – 19 persons	155	18.0	2,016	13.6	45.4	9.6	219.1	7.9	103.2	10.0	6.1	6.3	53.6	0.47	0.44
20 – 49 persons	96	11.1	2,914	19.6	78.5	16.6	433.3	15.6	187.0	18.1	8.3	8.6	65.7	0.43	0.42
50 – 99 persons	19	2.2	1,427	9.6	39.3	8.3	231.8	8.4	94.5	9.2	15.7	16.2	66.8	0.41	0.42
Total less than 100 persons	*839*	*97.3*	*8,959*	*60.3*	*215.9*	*45.7*	*1,111.1*	*40.0*	*484.9*	*47.0*	*38.6*	*39.8*	*55.3*	*0.44*	*0.45*
100 199 persons	12	1.4	1,611	10.8	61.3	13.0	416.3	15.0	159.4	15.5	8.5	8.8	98.6	0.38	0.38
200 499 persons	8	0.9	2,110	14.2	86.1	18.2	544.7	19.6	192.3	18.6	21.9	22.6	87.3	0.35	0.45
500 999 persons	3	0.3	2,176	14.6	109.2	23.1	702.3	25.3	194.8	18.9	28.0	28.9	88.5	0.28	0.56
1000 or more persons	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total 100 or more persons	*23*	*2.7*	*5,897*	*39.7*	*256.5*	*54.3*	*1,663.3*	*60.0*	*546.4*	*53.0*	*58.3*	*60.2*	*90.8*	*0.33*	*0.47*
Total	**862**	**100.0**	**14,855**	**100.0**	**472.4**	**100.0**	**2,774.3**	**100.0**	**1,031.4**	**100.0**	**96.9**	**100.0**	**69.7**	**0.37**	**0.46**
PRINTING, PUBLISHING AND RECORDED MEDIA															
0 3 persons	365	27.0	772	2.9	14.8	1.7	55.0	1.5	28.1	1.4	0.6	0.2	32.2	0.51	0.53
4 – 9 persons	535	39.6	3,113	11.8	75.0	8.7	266.9	7.4	138.8	6.8	6.4	2.5	46.1	0.52	0.54
10 19 persons	211	15.6	2,798	10.6	73.0	8.5	295.6	8.2	145.6	7.1	8.1	3.2	55.2	0.49	0.50
20 49 persons	140	10.4	4,363	16.6	128.5	14.9	519.1	14.5	278.5	13.7	16.5	6.4	64.0	0.54	0.46
50 99 persons	59	4.4	3,741	14.2	125.1	14.5	542.3	15.1	271.9	13.3	14.7	5.7	73.3	0.50	0.46
Total less than 100 persons	*1,311*	*97.0*	*14,787*	*56.3*	*416.4*	*48.3*	*1,679.0*	*46.8*	*862.8*	*42.4*	*46.4*	*18.0*	*59.2*	*0.51*	*0.48*
100 199 persons	26	1.9	3,484	13.3	122.2	14.2	509.7	14.2	244.3	12.0	28.5	11.1	68.8	0.48	0.50
200 499 persons	9	0.7	2,541	9.7	94.7	11.0	482.2	13.4	236.9	11.6	11.9	4.6	92.1	0.49	0.40
500 - 999 persons	4	0.3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
1000 or more persons	2	0.1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total 100 or more persons	*41*	*3.0*	*11,495*	*43.7*	*445.6*	*51.7*	*1,908.8*	*53.2*	*1,174.2*	*57.6*	*210.5*	*82.0*	*99.8*	*0.62*	*0.38*
Total	**1,352**	**100.0**	**26,282**	**100.0**	**862.0**	**100.0**	**3,587.8**	**100.0**	**2,037.0**	**100.0**	**256.8**	**100.0**	**77.3**	**0.57**	**0.42**

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, VICTORIA, 1992–93—*continued*

Employment size group	*Establishments at 30 June (b)* (No.)	(%)	*Employment at end of June (c)* (No.)	(%)	*Wages and salaries (d)(c)* ($m)	(%)	*Turnover (c)* ($m)	(%)	*Value added (c)* ($m)	(%)	*Net capital expenditure (e)* ($m)	(%)	*Value added per person employed (c)(e)(f)* ($'000)	*Ratio of (e)— Value added to turnover*	*Wages and salaries to value added*
PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG															
0 3 persons	168	18.3	330	1.0	10.0	0.8	62.2	0.7	20.8	0.6	0.7	0.1	50.3	0.33	0.48
4 9 persons	320	34.9	2,024	6.0	57.0	4.6	344.8	3.6	157.4	4.3	11.3	1.8	77.5	0.46	0.36
10 19 persons	81	8.8	1,105	3.3	31.3	2.5	324.7	3.4	111.2	3.0	23.5	3.7	101.5	0.34	0.28
20 49 persons	192	21.0	6,146	18.3	175.8	14.1	1,228.8	12.9	495.0	13.5	19.8	3.1	82.8	0.40	0.36
50 99 persons	78	8.5	5,395	16.0	193.6	15.5	1,301.9	13.6	513.2	14.0	40.2	6.4	94.1	0.39	0.38
Total less than 100 persons	*839*	*91.5*	*15,000*	*44.6*	*467.7*	*37.4*	*3,262.4*	*34.1*	*1,297.5*	*35.5*	*94.0*	*14.9*	*86.7*	*0.40*	*0.36*
100 199 persons	43	4.7	5,761	17.1	204.2	16.3	1,274.9	13.3	531.4	14.5	53.6	8.5	90.5	0.42	0.38
200 499 persons	29	3.2	8,256	24.5	353.5	28.3	2,371.4	24.8	1,000.6	27.4	78.9	12.5	120.9	0.42	0.35
500 999 persons	5	0.5	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
1000 or more persons	1	0.1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total 100 or more persons	*78*	*8.5*	*18,642*	*55.4*	*783.2*	*62.6*	*6,291.7*	*65.9*	*2,357.0*	*64.5*	*536.0*	*85.1*	*126.0*	*0.37*	*0.33*
Total	**916**	**100.0**	**33,643**	**100.0**	**1,250.9**	**100.0**	**9,554.1**	**100.0**	**3,654.5**	**100.0**	**630.0**	**100.0**	**108.5**	**0.38**	**0.34**
NON-METALLIC MINERAL PRODUCT MFG															
0 3 persons	139	33.8	265	2.8	4.4	1.3	23.8	1.3	10.6	1.2	–0.7	–1.4	35.7	0.41	0.41
4 9 persons	141	34.3	889	9.3	24.4	7.1	190.0	9.8	64.8	7.3	2.3	4.6	71.5	0.33	0.38
10 19 persons	40	9.7	536	5.6	15.1	4.4	72.9	3.6	32.1	3.6	1.7	3.5	61.2	0.44	0.47
20 49 persons	46	11.2	1,402	14.6	46.7	13.7	276.5	13.6	101.2	11.3	3.6	7.3	70.6	0.37	0.46
50 99 persons	20	4.9	1,479	15.4	55.8	16.3	313.4	15.5	118.0	13.2	6.9	14.0	79.5	0.37	0.47
Total less than 100 persons	*386*	*93.9*	*4,570*	*47.6*	*146.3*	*42.8*	*886.6*	*43.8*	*326.8*	*36.6*	*13.7*	*28.0*	*70.3*	*0.37*	*0.45*
100 199 persons	16	3.9	2,158	22.5	77.2	22.6	537.9	26.5	232.5	26.0	15.4	31.4	107.1	0.43	0.33
200 499 persons	8	1.9	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
500 999 persons	1	0.2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
1000 or more persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 100 or more persons	*25*	*6.1*	*5,024*	*52.4*	*195.7*	*57.2*	*1,143.2*	*56.2*	*566.4*	*63.4*	*35.3*	*72.0*	*111.8*	*0.50*	*0.35*
Total	**411**	**100.0**	**9,594**	**100.0**	**342.0**	**100.0**	**2,030.8**	**100.0**	**893.2**	**100.0**	**49.0**	**100.0**	**92.0**	**0.44**	**0.38**

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, VICTORIA, 1992–93— *continued*

Employment size group	Establishments at 30 June (b)		Employment at end of June (c)		Wages and salaries (d)(e)		Turnover (e)		Value added (e)		Net capital expenditure (e)		Value added per person employed (c)(e)(f)	Ratio of (e)—	
	(No.)	(%)	(No.)	(%)	($m)	(%)	($m)	(%)	($m)	(%)	($m)	(%)	($'000)	Value added to turnover	Wages and salaries to value added
METAL PRODUCT MFG															
0 – 3 persons	506	28.5	1,060	3.1	20.6	1.9	83.0	1.2	39.5	1.5	–3.7	–2.1	35.2	0.48	0.52
4 – 9 persons	683	38.5	4,232	12.4	101.1	9.3	405.9	5.7	194.8	7.6	2.9	1.6	46.9	0.48	0.52
10 – 19 persons	262	14.8	3,472	10.2	82.9	7.6	339.2	4.8	169.6	6.6	18.6	10.5	50.8	0.50	0.49
20 – 49 persons	186	10.5	5,450	16.0	147.6	13.6	673.1	9.5	300.3	11.7	17.1	9.7	56.9	0.45	0.49
50 – 99 persons	78	4.4	5,457	16.0	177.9	16.4	1,277.3	18.0	445.8	17.4	26.7	15.2	81.1	0.35	0.40
Total less than 100 persons	*1,715*	*96.6*	*19,672*	*57.6*	*530.3*	*48.8*	*2,778.6*	*39.2*	*1,149.9*	*45.0*	*61.5*	*34.9*	*59.3*	*0.41*	*0.46*
100 – 199 persons	40	2.3	5,474	16.0	185.6	17.1	1,179.9	16.7	408.7	16.0	39.2	22.2	73.4	0.35	0.45
200 – 499 persons	15	0.8	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
500 – 999 persons	5	0.3	3,370	9.9	147.5	13.6	979.6	13.8	333.3	13.0	29.2	16.6	96.2	0.34	0.44
1000 or more persons	1	0.1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total 100 or more persons	*61*	*3.4*	*14,495*	*42.4*	*556.1*	*51.2*	*4,303.3*	*60.8*	*1,407.6*	*55.0*	*114.8*	*65.1*	*95.0*	*0.33*	*0.40*
Total	**1,776**	**100.0**	**34,167**	**100.0**	**1,086.4**	**100.0**	**7,082.0**	**100.0**	**2,557.6**	**100.0**	**176.3**	**100.0**	**74.8**	**0.36**	**0.42**
MACHINERY AND EQUIPMENT MFG															
0 – 3 persons	741	32.3	1,451	2.0	24.4	1.1	117.0	0.9	61.7	1.3	0.9	0.1	40.5	0.53	0.40
4 – 9 persons	730	31.8	4,328	6.1	103.2	4.5	419.7	3.2	192.8	4.0	3.3	0.5	44.0	0.46	0.54
10 – 19 persons	359	15.6	4,826	6.8	136.6	5.9	516.7	4.0	261.2	5.4	7.3	1.2	55.1	0.51	0.52
20 – 49 persons	223	9.7	6,798	9.6	222.0	9.6	1,087.4	8.3	491.2	10.1	18.2	3.0	68.9	0.45	0.45
50 – 99 persons	117	5.1	8,025	11.3	243.9	10.6	1,088.0	8.3	507.9	10.5	21.2	3.5	64.3	0.47	0.48
Total less than 100 persons	*2,169*	*94.6*	*35,429*	*35.8*	*730.0*	*31.6*	*3,228.9*	*24.7*	*1,514.8*	*31.3*	*50.9*	*8.3*	*59.0*	*0.47*	*0.48*
100 – 199 persons	72	3.1	10,240	14.4	342.0	14.8	1,833.4	14.0	761.1	15.7	49.5	8.1	74.0	0.42	0.45
200 – 499 persons	31	1.4	10,293	14.5	366.2	15.9	2,418.5	16.2	894.2	18.5	53.8	8.8	86.4	0.42	0.41
500 – 999 persons	14	0.6	9,851	13.9	353.3	15.3	2,434.8	18.6	784.1	16.2	61.9	10.1	78.5	0.32	0.45
1000 or more persons	8	0.3	15,251	21.5	515.8	22.4	3,442.1	26.4	891.6	18.4	394.5	64.6	58.7	0.26	0.58
Total 100 or more persons	*125*	*5.4*	*45,636*	*64.2*	*1,577.2*	*68.4*	*9,828.7*	*75.3*	*3,331.1*	*68.7*	*559.6*	*91.7*	*72.7*	*0.34*	*0.47*
Total	**2,294**	**100.0**	**71,064**	**100.0**	**2,307.3**	**100.0**	**13,057.5**	**100.0**	**4,845.9**	**100.0**	**610.5**	**100.0**	**67.8**	**0.37**	**0.48**

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, VICTORIA, 1992–93 *continued*

Employment size group	Establishments at 30 June (b)		Employment at end of June (c)		Wages and salaries (d)(e)		Turnover (e)		Value added (e)		Net capital expenditure (e)		Value added per person employed (c)(e)(f)	Ratio of (e)—	
	(No.)	(%)	(No.)	(%)	($m)	(%)	($m)	(%)	($m)	(%)	($m)	(%)	($'000)	Value added to turnover	Wages and salaries to value added
OTHER MANUFACTURING															
0 – 3 persons	712	43.8	1,513	10.5	23.1	6.9	102.4	7.2	48.4	7.7	4.2	21.3	31.8	0.47	0.48
4 – 9 persons	571	35.1	3,092	21.5	57.9	17.4	230.3	16.2	104.0	16.5	2.0	10.1	34.8	0.45	0.56
10 – 19 persons	195	12.0	2,654	18.4	61.8	18.5	242.0	17.0	109.6	17.4	2.0	10.2	41.8	0.45	0.56
20 – 49 persons	111	6.8	3,232	22.5	79.2	23.8	317.1	22.2	141.0	22.4	4.2	21.6	44.2	0.44	0.56
50 – 99 persons	24	1.5	1,617	11.2	41.3	12.4	216.9	15.2	108.5	17.2	2.9	14.9	68.7	0.50	0.38
Total less than 100 persons	*1,614*	*99.3*	*12,108*	*84.1*	*263.3*	*79.0*	*1,108.7*	*77.8*	*511.7*	*81.2*	*15.4*	*78.1*	*42.9*	*0.46*	*0.51*
100 – 199 persons	6	0.4	870	6.0	28.2	8.5	122.9	8.6	44.0	7.0	1.6	8.1	49.5	0.36	0.64
200 – 499 persons	5	0.3	1,411	9.8	41.8	12.5	194.4	13.6	74.2	11.8	2.7	13.8	54.5	0.38	0.56
500 – 999 persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000 or more persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 100 or more persons	*11*	*0.7*	*2,281*	*15.9*	*70.0*	*21.0*	*317.3*	*22.2*	*118.2*	*18.8*	*4.3*	*21.9*	*52.5*	*0.37*	*0.59*
Total	**1,625**	**100.0**	**14,389**	**100.0**	**333.4**	**100.0**	**1,426.0**	**100.0**	**629.8**	**100.0**	**19.7**	**100.0**	**44.5**	**0.44**	**0.53**
TOTAL MANUFACTURING															
0 – 3 persons	3,417	29.2	7,077	2.5	121.9	1.4	603.8	1.1	272.1	1.3	4.1	0.2	36.2	0.45	0.45
4 – 9 persons	4,188	35.8	24,896	8.8	559.2	6.3	2,651.5	4.8	1,141.7	5.3	56.0	2.4	46.0	0.43	0.49
10 – 19 persons	1,711	14.6	23,112	8.1	562.2	6.3	2,673.8	4.9	1,192.1	5.5	74.1	3.2	53.0	0.45	0.47
20 – 49 persons	1,282	11.0	38,965	13.7	1,089.8	12.2	5,926.8	10.8	2,490.0	11.5	114.7	4.9	64.2	0.42	0.44
50 – 99 persons	538	4.6	36,928	13.0	1,136.9	12.7	6,692.5	12.2	2,704.3	12.5	179.0	7.7	73.7	0.40	0.42
Total less than 100 persons	*11,137*	*95.3*	*130,978*	*46.1*	*3,470.0*	*38.8*	*18,548.4*	*33.9*	*7,800.3*	*36.0*	*427.9*	*18.4*	*59.8*	*0.42*	*0.44*
100 – 199 persons	326	2.8	45,129	15.9	1,462.3	16.3	8,978.9	16.4	3,580.7	16.5	299.9	12.9	78.3	0.40	0.41
200 – 499 persons	162	1.4	47,963	16.9	1,746.4	19.5	10,820.6	19.8	4,362.0	20.1	311.8	13.4	89.5	0.40	0.40
500 – 999 persons	51	0.4	34,350	12.1	1,338.3	15.0	10,053.5	18.4	3,620.0	16.7	663.1	28.5	103.8	0.36	0.37
1000 or more persons	16	0.1	25,593	9.0	927.7	10.4	6,370.4	11.6	2,288.3	10.6	626.3	26.9	89.7	0.36	0.41
Total 100 or more persons	*555*	*4.7*	*153,036*	*53.9*	*5,474.8*	*61.2*	*36,223.3*	*66.1*	*13,851.0*	*64.0*	*1,901.0*	*81.6*	*89.5*	*0.38*	*0.40*
Total	**11,692**	**100.0**	**284,013**	**100.0**	**8,944.8**	**100.0**	**54,771.8**	**100.0**	**21,651.3**	**100.0**	**2,328.9**	**100.0**	**75.9**	**0.40**	**0.41**

(a) See paragraphs 8, 17 and 21 of the Explanatory Notes. (b) See paragraphs 5 to 11 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors. (e) Figures may differ slightly from those presented in other tables, because they exclude those manufacturing establishments which operated during 1992–93 but were not operating at 30 June 1993. See paragraph 21 of the Explanatory Notes. (f) Based on average employment over the whole year.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b) BY INDUSTRY CLASS, VICTORIA, 1992–93

Industry class		Current expenditure on environmental protection		Capital expenditure to abate pollution	
ANZSIC code	Description	($'000)	Proportion of total turnover (%)	($'000)	Proportion of total capital expenditure (%)
	FOOD, BEVERAGE AND TOBACCO MFG				
	Meat and meat product mfg				
2111	Meat processing	2,618	0.2	294	2.2
2112	Poultry processing	251	0.1	—	—
2113	Bacon, ham and smallgood mfg	478	0.2	-	—
211	*Total*	*3,347*	*0.2*	*294*	*1.2*
	Dairy product mfg—				
2121	Milk and cream processing	1,101	n.p.	n.p.	n.p.
2122	Ice cream mfg	292	n.p.	—	—
2129	Dairy product mfg n.e.c.	3,432	0.2	n.p.	n.p.
212	*Total*	*4,824*	*0.2*	*1,002*	*1.0*
213	*Fruit and vegetable processing*	*2,910*	*0.3*	*194*	*0.4*
214	***Oil and fat mfg***	*n.p.*	*n.p.*	*n.p.*	*n.p.*
	Flour mill and cereal food mfg—				
2151	Flour mill product mfg	792	0.3	—	—
2152	Cereal food and baking mix mfg	484	0.1	n.p.	n.p.
215	*Total*	*1,276*	*0.2*	*n.p.*	*n.p.*
	Bakery product mfg—				
2161	Bread mfg	456	0.1	n.p.	n.p.
2162	Cake and pastry mfg	93	—	—	—
2163	Biscuit mfg	46	—	—	—
216	*Total*	*595*	*0.1*	***n.p.***	*n.p.*
	Other food mfg—				
2171	Sugar mfg	n.p.	n.p.	n.p.	n.p.
2172	Confectionery mfg	292	—	—	—
2173	Seafood processing	n.p.	n.p.	n.p.	n.p.
2174	Prepared animal and bird feed mfg	628	0.1	n.p.	n.p.
2179	Food mfg n.e.c.	1,525	0.3	120	0.4
217	*Total*	*3,457*	*0.2*	*1,640*	*1.6*
	Beverage and malt mfg—				
2181	Soft drink, cordial and syrup mfg	n.p.	n.p.	n.p.	n.p.
2182	Beer and malt mfg	5,688	n.p.	n.p.	n.p.
2183	Wine mfg	n.p.	n.p.	32	0.2
2184	Spirit mfg	—	—	-	-
218	*Total*	*6,382*	*0.4*	*732*	*1.0*
219	*Tobacco product mfg*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
21	***Total food, beverage and tobacco mfg***	***23,203***	***0.2***	***4,114***	***0.9***

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b) BY INDUSTRY CLASS, VICTORIA, 1992–93—*continued*

Industry class		*Current expenditure on environmental protection*		*Capital expenditure to abate pollution*	
ANZSIC code	*Description*	*($'000)*	*Proportion of total turnover (%)*	*($'000)*	*Proportion of total capital expenditure (%)*
	TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG—				
	Textile fibre, yarn and woven fabric mfg—				
2211	Wool scouring	3,201	4.7	n.p.	n.p.
2212	Synthetic fibre textile mfg	2,168	0.5	n.p.	n.p.
2213	Cotton textile mfg	785	0.6	—	—
2214	Wool textile mfg	826	0.4	n.p.	n.p.
2215	Textile finishing	2,641	1.3	144	3.7
221	*Total*	*9,622*	*0.9*	*634*	*1.7*
	Textile product mfg—				
2221	Made-up textile product mfg	128	0.1	n.p.	n.p.
2222	Textile floor covering mfg	378	0.1	n.p.	n.p.
2223	Rope, cordage and twine mfg	n.p.	n.p.	-	—
2229	Textile product mfg n.e.c.	n.p.	n.p.	—	--
222	*Total*	*568*	*0.1*	*27*	*0.1*
	Knitting mills--				
2231	Hosiery mfg	380	0.2	n.p.	n.p.
2232	Cardigan and pullover mfg	19	—	—	—
2239	Knitting mill product mfg n.e.c.	526	0.2	n.p.	n.p.
223	*Total*	*924*	*0.1*	*n.p.*	*n.p.*
	Clothing mfg—				
2241	Men's and boys' wear mfg	135	—	—	—
2242	Women's and girls' wear mfg	109	—	—	—
2243	Sleepwear, underwear and infant clothing mfg	89	—		—
2249	Clothing mfg n.e.c.	122	—	--	—
224	*Total*	*455*	—	—	—
225	***Footwear mfg***	*259*	*0.1*	*n.p.*	*n.p.*
	Leather and leather product mfg—				
2261	Leather tanning and fur dressing	3,586	1.4	932	17.3
2262	Leather and leather substitute product mfg	15	—	—	—
226	*Total*	*3,600*	*1.2*	*932*	*14.6*
22	***Total textile, clothing, footwear and leather mfg***	***15,428***	***0.4***	***1,781***	***1.7***
	WOOD AND PAPER PRODUCT MFG—				
	Log sawmilling and timber dressing—				
2311	Log sawmilling	n.p.	n.p.	46	0.4
2312	Wood chipping	--	--	--	—
2313	Timber resawing and dressing	n.p.	n.p.	—	—
231	*Total*	*581*	*0.2*	*46*	*0.3*
	Other wood product mfg—				
2321	Plywood and veneer mfg	82	0.2	--	—
2322	Fabricated wood mfg	682	0.6	1,146	8.6
2323	Wooden structural component mfg	317	0.1	29	0.5
2329	Wood product mfg n.e.c.	819	0.5	22	1.0
232	*Total*	*1,901*	*0.3*	*1,197*	*5.6*
	Paper and paper product mfg—				
2331	Pulp, paper and paperboard mfg	10,136	n.p.	n.p.	n.p.
2332	Solid paperboard container mfg	n.p.	n.p.	—	—
2333	Corrugated paperboard container mfg	n.p.	n.p.	n.p.	n.p.
2334	Paper bag and sack mfg	113	0.1	—	—
2339	Paper product mfg n.e.c.	1,442	0.3	n.p.	n.p.
233	*Total*	*12,359*	*0.7*	*13,294*	*17.2*
23	***Total wood and paper product mfg***	***14,841***	***0.5***	***14,537***	***12.7***

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b) BY INDUSTRY CLASS, VICTORIA, 1992-93—*continued*

Industry class		*Current expenditure on environmental protection*		*Capital expenditure to abate pollution*	
ANZSIC code	*Description*	*($'000)*	*Proportion of total turnover (%)*	*($'000)*	*Proportion of total capital expenditure (%)*
	PRINTING, PUBLISHING AND RECORDED MEDIA—				
	Printing and services to printing—				
2411	Paper stationery mfg	1,538	0.3	612	2.0
2412	Printing	1,542	0.1	n.p.	n.p.
2413	Services to printing	219	0.1	n.p.	n.p.
241	*Total*	*3,299*	*0.2*	*889*	*0.8*
	Publishing—				
2421	Newspaper printing or publishing	638	0.1	—	—
2422	Other periodical publishing	11	—	—	
2423	Book and other publishing	—	—	—	
242	*Total*	*649*	—	..	..
243	***Recorded media manufacturing and publishing***		—	..	
24	***Total printing, publishing and recorded media***	***3,948***	***0.1***	***889***	***0.3***
	PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG—				
251	*Petroleum refining*	*8,434*	*n.p.*	*n.p.*	*n.p.*
252	*Petroleum and coal product mfg n.e.c.*	*82*	*0.2*	—	—
	Basic chemical mfg—				
2531	Fertiliser mfg	94	—	n.p.	n.p.
2532	Industrial gas mfg	n.p.	n.p.	—	..
2533	Synthetic resin mfg	7,952	0.6	3,619	7.1
2534	Organic industrial chemical mfg n.e.c.	1,951	0.4	n.p.	n.p.
2535	Inorganic industrial chemical mfg n.e.c.	n.p.	n.p.	n.p.	n.p.
253	*Total*	*12,173*	*0.5*	*5,104*	*5.8*
	Other chemical product mfg—				
2541	Explosive mfg	467	1.1	n.p.	n.p.
2542	Paint mfg	3,142	0.8	682	10.4
2543	Medicinal and pharmaceutical product mfg	1,104	0.1	425	0.7
2544	Pesticide mfg	n.p.	n.p.	n.p.	n.p.
2545	Soap and other detergent mfg	984	0.3	631	4.9
2546	Cosmetic and toiletry preparation mfg	n.p.	n.p.	—	—
2547	Ink mfg	619	0.8	n.p.	n.p.
2549	Chemical product mfg n.e.c.	364	0.2	n.p.	n.p.
254	*Total*	*7,911*	*0.3*	*3,463*	*3.5*
	Rubber product mfg—				
2551	Rubber tyre mfg	969	0.1	29	0.1
2559	Rubber product mfg n.e.c.	381	n.p.	n.p.	n.p.
255	*Total*	*1,350*	*n.p.*	*n.p.*	*n.p.*
	Plastic product mfg—				
2561	Plastic blow moulded product mfg	796	0.3	n.p.	n.p.
2562	Plastic extruded product mfg	1,092	0.4	636	4.4
2563	Plastic bag and film mfg	1,674	0.2	1,246	4.3
2564	Plastic product, rigid fibre reinforced, mfg	394	0.3	—	-
2565	Plastic foam product mfg	446	0.5	210	8.7
2566	Plastic injection moulded product mfg	409	0.1	n.p.	n.p.
256	*Total*	*4,811*	*0.2*	*2,639*	*3.0*
25	***Total petroleum, coal, chemical and associated product mfg***	***34,759***	***0.4***	***27,286***	***4.1***

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b) BY INDUSTRY CLASS, VICTORIA, 1992–93—*continued*

Industry class		Current expenditure on environmental protection		Capital expenditure to abate pollution	
ANZSIC code	Description	($'000)	Proportion of total turnover (%)	($'000)	Proportion of total capital expenditure (%)
	NON-METALLIC MINERAL PRODUCT MFG—				
261	*Glass and glass product mfg*	*1,167*	*0.3*	*171*	*1.2*
	Ceramic mfg—				
2621	Clay brick mfg	n.p.	n.p.	—	—
2622	Ceramic product mfg	—	—	—	—
2623	Ceramic tile and pipe mfg	n.p.	n.p.	n.p.	n.p.
2629	Ceramic product mfg n.e.c.	825	0.6	n.p.	n.p.
262	*Total*	*1,178*	*0.5*	*91*	*0.8*
	Cement, lime, plaster and concrete product mfg—				
2631	Cement and lime mfg	n.p.	n.p.	n.p.	n.p.
2632	Plaster product mfg	157	0.1	n.p.	n.p.
2633	Concrete slurry mfg	1,058	0.3	n.p.	n.p.
2634	Concrete pipe and box culvert mfg	n.p.	n.p.	—	
2635	Concrete product mfg n.e.c.	634	0.3	n.p.	n.p.
263	*Total*	*3,570*	*0.4*	*2,405*	*9.8*
264	***Non-metallic mineral product mfg** n.e.c.*	*514*	*0.1*	*161*	*2.3*
26	***Total non-metallic mineral product mfg***	***6,428***	***0.3***	***2,828***	***4.9***
	METAL PRODUCT MFG—				
	Iron and steel mfg—				
2711	Basic iron and steel mfg	5,628	0.4	914	2.8
2712	Iron and steel casting and forging	897	0.4	n.p.	n.p.
2713	Steel pipe and tube mfg	459	0.5	n.p.	n.p.
271	*Total*	*6,984*	*0.4*	*1,125*	*2.8*
	Basic non-ferrous metal mfg —				
2721	Alumina production	—	—	—	—
2722	Aluminium smelting	n.p.	n.p.	n.p.	n.p.
2723	Copper, silver, lead and zinc smelting, refining	n.p.	n.p.	n.p.	n.p.
2729	Basic non-ferrous metal mfg n.e.c.	1,106	n.p.	229	n.p.
272	*Total*	*6,067*	*0.6*	*3,505*	*14.1*
	Non-ferrous basic metal product mfg—				
2731	Aluminium rolling, drawing, extruding	304	0.1	n.p.	n.p.
2732	Non-ferrous metal rolling, drawing, extruding n.e.c.	91	0.1	n.p.	n.p.
2733	Non-ferrous metal casting	98	0.1	11	—
273	*Total*	*493*	*0.1*	*69*	*0.2*
	Structural metal product mfg—				
2741	Structural steel fabricating	341	0.1	n.p.	n.p.
2742	Architectural aluminium product mfg	165	0.1	—	—
2749	Structural metal product mfg n.e.c.	77	0.1	n.p.	n.p.
274	*Total*	*584*	*0.1*	*37*	*0.2*
	Sheet metal product mfg				
2751	Metal container mfg	1,021	0.2	n.p.	n.p.
2759	Sheet metal product mfg n.e.c.	492	0.1	n.p.	n.p.
275	*Total*	*1,513*	*0.1*	*171*	*0.7*
	Fabricated metal product mfg—				
2761	Hand tool and general hardware mfg	208	0.2	n.p.	n.p.
2762	Spring and wire product mfg	609	0.2	250	3.0
2763	Nut, bolt, screw and rivet mfg	265	0.1	n.p.	n.p.
2764	Metal coating and finishing	1,143	0.8	510	9.1
2765	Non-ferrous pipe fitting mfg	135	0.1	n.p.	n.p.
2769	Fabricated metal product mfg n.e.c.	1,196	0.2	254	1.1
276	*Total*	*3,555*	*0.2*	*1,391*	*2.9*
27	***Total metal product mfg***	***19,195***	***0.3***	***6,297***	***3.2***

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b) BY INDUSTRY CLASS, VICTORIA, 1992–93—*continued*

Industry class		*Current expenditure on environmental protection*		*Capital expenditure to abate pollution*	
ANZSIC code	*Description*	*($'000)*	*Proportion of total turnover (%)*	*($'000)*	*Proportion of total capital expenditure (%)*
	MACHINERY AND EQUIPMENT MFG—				
	Motor vehicle and part mfg—				
2811	Motor vehicle mfg	7,331	0.2	n.p.	n.p.
2812	Motor vehicle body mfg	295	0.1	n.p.	n.p.
2813	Automotive electrical and instrument mfg	1,268	0.2	508	1.4
2819	Automotive component mfg n.e.c.	2,098	0.2	632	1.8
281	*Total*	*10,992*	*0.2*	*1,319*	*0.3*
	Other transport equipment mfg—				
2821	Shipbuilding	n.p.	n.p.	—	—
2822	Boatbuilding	30	0.1	n.p.	n.p.
2823	Railway equipment mfg	n.p.	n.p.	—	—
2824	Aircraft mfg	217	—	n.p.	n.p.
2829	Transport equipment mfg n.e.c.	32	0.1	—	—
282	*Total*	*786*	*0.1*	*n.p.*	*n.p.*
	Photographic and scientific equipment mfg—				
2831	Photographic and optical good mfg	1,790	n.p.	n.p.	n.p.
2832	Medical and surgical equipment mfg	65	n.p.	—	—
2839	Professional and scientific equipment mfg n.e.c.	290	0.1	n.p.	n.p.
283	*Total*	*2,146*	*0.3*	*1,055*	*5.5*
	Electronic equipment mfg—				
2841	Computer and business machine mfg	n.p.	n.p.	n.p.	n.p.
2842	Telecommunication, broadcasting and transceiving equipment mfg	661	0.1	n.p.	n.p.
2849	Electronic equipment mfg n.e.c.	n.p.	n.p.	n.p.	n.p.
284	*Total*	*1,281*	*0.1*	*1,316*	*3.4*
	Electrical equipment and appliance mfg—				
2851	Household appliance mfg	735	0.1	—	—
2852	Electric cable and wire mfg	n.p.	n.p.	n.p.	n.p.
2853	Battery mfg	—	—	—	—
2854	Electric light and sign mfg	n.p.	n.p.	n.p.	n.p.
2859	Electrical equipment mfg n.e.c.	529	0.1	n.p.	n.p.
285	*Total*	*1,664*	*0.1*	*95*	*0.2*
	Industrial machinery and equipment mfg				
2861	Agricultural machinery mfg	n.p.	n.p.	—	—
2862	Mining and construction machinery mfg	118	0.1	n.p.	n.p.
2863	Food processing machinery mfg	n.p.	n.p.	—	—
2864	Machine tool and part mfg	366	0.1	n.p.	n.p
2865	Lifting and material handling equipment mfg	141		n.p.	n.p.
2866	Pump and compressor mfg	115	0.1	—	—
2867	Commercial space heating and cooling equipment mfg	46	0.1	—	—
2869	Industrial machinery and equipment mfg n.e.c.	549	0.1	102	1.2
286	*Total*	*1,402*	*0.1*	*n.p.*	*n.p.*
28	***Total machinery and equipment mfg***	***18,271***	***0.1***	***4,009***	***0.6***

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS(a): EXPENDITURE ON ENVIRONMENTAL PROTECTION(b) BY INDUSTRY CLASS, VICTORIA, 1992–93—*continued*

Industry class		*Current expenditure on environmental protection*		*Capital expenditure to abate pollution*	
ANZSIC code	*Description*	*($'000)*	*Proportion of total turnover (%)*	*($'000)*	*Proportion of total capital expenditure (%)*
	OTHER MANUFACTURING—				
	Prefabricated building mfg—				
2911	Prefabricated metal building mfg	38	0.1	..	
2919	Prefabricated building mfg n.e.c.	14	0.1	..	—
291	*Total*	*52*	*0.1*	—	—
	Furniture mfg—				
2921	Wooden furniture and upholstered seat mfg	1,048	0.2	152	1.9
2922	Sheet metal furniture mfg	52	0.1	6	0.5
2923	Mattress mfg (except rubber)	52	-	—	—
2929	Furniture mfg n.e.c.	128	0.1	38	1.8
292	*Total*	*1,281*	*0.1*	*196*	*1.6*
	Miscellaneous manufacturing—				
2941	Jewellery and silverware mfg	88	0.1	n.p.	n.p.
2942	Toy and sporting good mfg	885	1.3	n.p.	n.p.
2949	Manufacturing n.e.c.	199	0.1	n.p.	n.p.
294	*Total*	*1,172*	*0.4*	*36*	*0.4*
29	***Total other manufacturing***	***2,504***	***0.2***	***231***	***1.0***
21–29	**TOTAL MANUFACTURING**	**138,577**	**0.3**	**61,973**	**2.4**

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraph 22 of the Explanatory Notes. Establishments which did not respond to the questions are treated as having nil expenditure.

TABLE 7. MANUFACTURING ESTABLISHMENTS (a): EXPORTS OF GOODS PRODUCED BY BROAD EMPLOYMENT SIZE (b) BY INDUSTRY SUBDIVISION VICTORIA, 1992-93 (c)

Industry subdivision		*Employment size group*							
		0–49 persons		*50–99 persons*		*100 or more persons*		*Total*	
ANZSIC code	*Description*	*Amount exported by this business or its agent ($m)*	*Exports as a proportion of sales of goods produced (%)*	*Amount exported by this business or its agent ($m)*	*Exports as a proportion of sales of goods produced (%)*	*Amount exported by this business or its agent ($m)*	*Exports as a proportion of sales of goods produced (%)*	*Amount exported by this business or its agent ($m)*	*Exports as a proportion of sales of goods produced (%)*
21	Food, beverage and tobacco mfg	165.7	11.5	62.2	6.4	1,321.4	16.0	1,549.3	14.5
22	Textile, clothing, footwear and leather mfg	75.7	6.7	114.1	16.8	146.4	6.5	336.2	8.3
23	Wood and paper product mfg	6.5	0.8	14.1	6.3	24.5	1.5	45.1	1.7
24	Printing, publishing and recorded media	6.3	0.6	4.9	0.9	62.0	5.0	73.1	2.6
25	Petroleum, coal, chemical and associated product mfg	67.2	3.6	93.9	7.4	419.7	6.9	580.7	6.3
26	Non-metallic mineral product mfg	23.7	4.4	n.p.	n.p.	n.p.	n.p.	44.0	2.2
27	Metal product mfg	29.7	2.2	38.8	3.1	1,106.3	26.4	1,174.7	17.3
28	Machinery and equipment mfg	98.1	5.3	125.8	12.8	1,388.3	15.2	1,612.2	13.5
29	Other manufacturing	9.9	1.2	n.p.	n.p.	n.p.	n.p.	21.8	1.6
21–29	**Total manufacturing**	**482.7**	**4.4**	**462.3**	**7.2**	**4,492.3**	**13.1**	**5,437.3**	**10.6**

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 21 and 23 of the Explanatory Notes. (c) This table excludes those manufacturing establishments which operated during 1992-93 but were not operating at 30 June 1993.

TABLE 8. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS (IN PERCENTAGE TERMS) BY PROPORTION OF EXPORTS (b) BY INDUSTRY SUBDIVISION
VICTORIA, 1992–93

Industry subdivision		Establishments that do not export				Establishments with exports up to and including 50 % of sales of goods that they produced				Establishments with exports of more than 50 % of sales of goods that they produced			
ANZSIC code	Description	Employment at end of June (c) (%)	Wages and salaries (d) (%)	Turnover (%)	Value added (%)	Employment at end of June (c) (%)	Wages and salaries (d) (%)	Turnover (%)	Value added (%)	Employment at end of June (c) (%)	Wages and salaries (d) (%)	Turnover (%)	Value added (%)
21	Food, beverage and tobacco mfg	52.2	45.0	41.7	41.5	42.3	49.4	50.3	53.9	5.5	5.7	7.9	4.6
22	Textile, clothing, footwear and leather mfg	60.5	56.1	52.7	55.2	35.1	39.3	40.0	40.2	4.4	4.6	7.3	4.6
23	Wood and paper product mfg	80.5	77.7	69.3	65.9	18.5	21.3	30.2	33.3	1.0	1.0	0.5	0.8
24	Printing, publishing and recorded media	81.8	80.3	77.2	79.8	16.6	17.7	20.2	18.3	1.6	2.0	2.6	2.0
25	Petroleum, coal, chemical and associated product mfg	51.5	48.4	42.5	44.3	48.1	51.3	57.2	55.5	0.3	0.3	0.2	0.2
26	Non-metallic mineral product mfg	76.4	73.9	76.4	75.0	22.9	25.3	23.3	24.5	0.7	0.8	0.3	0.5
27	Metal product mfg	57.2	49.0	37.7	42.0	35.8	40.7	46.8	45.3	7.0	10.4	15.6	12.7
28	Machinery and equipment mfg	44.9	45.3	36.8	40.5	46.6	45.1	50.6	45.8	8.5	9.5	12.6	13.7
29	Other manufacturing	88.1	86.9	83.8	83.8	11.5	12.8	15.8	15.9	0.3	0.3	0.4	0.4
21–29	**Total manufacturing**	**58.8**	**55.0**	**47.1**	**50.4**	**36.5**	**39.6**	**45.4**	**43.5**	**4.7**	**5.4**	**7.4**	**6.1**

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraph 23 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors.

TABLE 9. MANUFACTURING ESTABLISHMENTS (a): RELATIVE STANDARD ERRORS (b) FOR SELECTED DATA ITEMS BY INDUSTRY SUBDIVISION, VICTORIA, 1992 93 (%)

Industry subdivision ANZSIC code	*Description*	*Employment at end of June (c)*	*Wages and salaries (d)*	*Turnover*	*Purchases*	*Value added*	*Own account capital work*	*Acquisition of plant, machinery and equipment*
21	Food, beverage and tobacco mfg	1.4	0.8	0.9	1.1	0.7	5.9	2.2
22	Textile, clothing, footwear and leather mfg	1.1	1.3	1.5	1.6	1.4	9.0	3.7
23	Wood and paper product mfg	1.5	1.3	1.1	1.3	1.3	34.9	1.5
24	Printing, publishing and recorded media	2.3	2.1	2.7	3.0	2.7	0.1	4.4
25	Petroleum, coal, chemical and associated product mfg	1.2	0.9	0.8	0.7	1.1	0.1	1.3
26	Non-metallic mineral product mfg	1.4	1.6	4.2	3.7	2.5	1.1	2.1
27	Metal product mfg	1.6	1.4	0.9	1.0	1.3	0.6	4.4
28	Machinery and equipment mfg	1.0	0.8	0.7	0.8	0.9	8.2	0.7
29	Other manufacturing	2.6	2.6	2.5	3.0	2.4	50.1	6.0
21 29	**Total manufacturing**	**0.5**	**0.4**	**0.4**	**0.4**	**0.5**	**2.9**	**0.8**

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 12 to 14 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, VICTORIA, 1989–90 TO 1991–92 (b)

Industry class ANZSIC Code	Description	*Employment at end of June (c) ('000)* 1989–90	1990–91	1991–92	*Turnover (d) ($m)* 1989–90	1990–91	1991–92	*Value added (e) ($m)* 1989–90
	FOOD, BEVERAGE AND TOBACCO MFG—							
	Meat and meat product mfg—							
2111	Meat processing	6.3	5.0	5.1	1,225.7	1,105.6	1,112.4	320.7
2112	Poultry processing	2.0	2.0	2.0	298.1	280.5	272.3	78.1
2113	Bacon, ham and smallgood mfg	2.1	1.8	1.9	320.5	297.2	295.1	102.9
211	*Total*	*10.4*	*8.8*	*8.9*	*1,844.3*	*1,683.2*	*1,679.7*	*501.0*
	Dairy product mfg—							
2121	Milk and cream processing	1.6	1.8	2.0	629.0	680.7	720.3	168.3
2122	Ice cream mfg	0.9	0.8	0.6	152.6	131.6	165.9	67.6
2129	Dairy product mfg n.e.c.	4.4	5.4	5.0	1,494.7	1,484.3	1,466.7	371.3
212	*Total*	*6.8*	*7.9*	*7.6*	*2,276.3*	*2,296.6*	*2,352.9*	*607.2*
213	*Fruit and vegetable processing*	*4.2*	*4.2*	*3.9*	*919.3*	*989.5*	*1,092.0*	*379.8*
214	*Oil and fat mfg*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
	Flour mill and cereal food mfg—							
2151	Flour mill product mfg	0.7	0.8	0.9	199.4	247.4	261.1	59.4
2152	Cereal food and baking mix mfg	1.2	1.7	1.5	225.5	347.6	291.2	114.9
215	*Total*	*1.9*	*2.5*	*2.3*	*424.9*	*595.1*	*552.3*	*174.3*
	Bakery product mfg —							
2161	Bread mfg	4.1	4.0	4.2	306.9	328.0	386.0	154.4
2162	Cake and pastry mfg	3.7	3.0	2.6	265.0	248.4	245.7	144.8
2163	Biscuit mfg	2.3	1.8	1.5	213.5	204.2	146.3	109.1
216	*Total*	*10.2*	*8.8*	*8.2*	*785.4*	*780.7*	*778.0*	*408.3*
	Other food mfg							
2171	Sugar mfg	n.p.	n.p.	0.3	n.p.	n.p.	181.2	n.p.
2172	Confectionery mfg	3.8	4.0	3.8	552.0	610.1	629.0	274.5
2173	Seafood processing	n.p.	n.p.	0.6	n.p.	n.p.	108.7	n.p.
2174	Prepared animal and bird feed mfg	1.9	1.7	1.8	621.8	574.0	565.5	253.1
2179	Food mfg n.e.c.	2.4	3.1	2.7	545.3	615.2	581.6	250.0
217	*Total*	*8.9*	*9.7*	*9.2*	*1,999.3*	*2,103.9*	*2,066.0*	*884.0*
	Beverage and malt mfg —							
2181	Soft drink, cordial and syrup mfg	1.5	1.3	1.3	428.0	626.6	n.p.	158.9
2182	Beer and malt mfg	1.7	1.9	1.5	n.p.	n.p.	n.p.	n.p.
2183	Wine mfg	1.0	1.0	n.p.	n.p.	n.p.	272.2	n.p.
2184	Spirit mfg	0.1	0.1	n.p.	19.5	n.p.	n.p.	15.5
218	*Total*	*4.4*	*4.2*	*4.1*	*1,290.1*	*1,544.0*	*1,420.6*	*645.0*

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, VICTORIA, 1989–90 TO 1991–92 (b) *continued*

Industry class		*Employment at end of June (c) ('000)*			*Turnover (d) ($m)*			*Value added (e) ($m)*
ANZSIC Code	*Description*	*1989–90*	*1990–91*	*1991–92*	*1989–90*	*1990–91*	*1991–92*	*1989–90*
219	*Tobacco product mfg*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
21	***Total food, beverage and tobacco mfg***	***48.1***	***47.6***	***r45.6***	***10,029.5***	***10,462.7***	***r10,512.7***	***3,835.1***
	TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG							
	Textile fibre, yarn and woven fabric mfg --							
2211	Wool scouring	0.2	0.5	0.4	34.4	59.2	57.4	13.9
2212	Synthetic fibre textile mfg	4.0	3.5	3.5	475.2	462.6	470.5	220.2
2213	Cotton textile mfg	1.4	1.0	0.9	149.6	93.6	115.0	65.3
2214	Wool textile mfg	2.1	2.1	2.0	241.4	235.4	248.2	74.2
2215	Textile finishing	1.5	1.1	1.2	180.0	125.1	178.9	81.3
221	*Total*	*9.3*	*8.2*	*8.1*	*1,080.5*	*975.8*	*1,070.1*	*455.0*
	Textile product mfg--							
2221	Made-up textile product mfg	1.5	2.1	1.4	141.0	241.6	144.4	56.8
2222	Textile floor covering mfg	3.1	2.9	2.6	577.2	573.4	533.6	189.2
2223	Rope, cordage and twine mfg	0.4	0.5	0.4	45.0	59.7	58.3	24.8
2229	Textile product mfg n.e.c.	0.9	0.8	0.9	128.0	135.4	148.4	67.8
222	*Total*	*5.9*	*6.3*	*5.2*	*891.3*	*1,010.0*	*884.7*	*338.6*
	Knitting mills							
2231	Hosiery mfg	2.4	2.3	2.0	n.p.	203.1	n.p.	n.p.
2232	Cardigan and pullover mfg	2.3	1.5	1.1	n.p.	108.2	n.p.	n.p.
2239	Knitting mill product mfg n.e.c.	2.8	2.3	2.1	376.4	356.0	346.4	151.2
223	*Total*	*7.5*	*6.1*	*5.2*	*724.9*	*667.2*	*636.1*	*329.7*
	Clothing mfg							
2241	Men's and boys' wear mfg	10.1	6.7	4.8	726.9	520.6	399.6	357.3
2242	Women's and girls' wear mfg	5.6	4.5	4.0	430.0	422.7	431.6	203.0
2243	Sleepwear, underwear and infant clothing mfg	1.2	1.9	2.2	n.p.	170.0	211.9	n.p.
2249	Clothing mfg n.e.c.	6.1	4.1	4.1	n.p.	339.5	367.1	n.p.
224	*Total*	*23.0*	*17.2*	*15.1*	*1,549.2*	*1,452.8*	*1,410.2*	*740.6*
225	*Footwear mfg*	*5.2*	*4.0*	*3.5*	*417.6*	*401.8*	*332.4*	*199.8*
	Leather and leather product mfg---							
2261	Leather tanning and fur dressing	0.8	0.8	0.9	182.9	161.9	197.0	45.3
2262	Leather and leather substitute product mfg	0.3	0.3	0.4	25.2	28.4	30.4	12.1
226	*Total*	*1.2*	*1.1*	*1.3*	*208.1*	*190.4*	*227.4*	*57.4*
22	***Total textile, clothing, footwear and leather mfg***	***52.0***	***42.9***	***38.4***	***4,871.5***	***4,698.0***	***4,560.9***	***2,121.1***

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, VICTORIA, 1989–90 TO 1991–92 (b) *continued*

Industry class		*Employment at end of June (c) ('000)*			*Turnover (d) ($m)*			*Value added (e) ($m)*
ANZSIC Code	*Description*	*1989–90*	*1990–91*	*1991–92*	*1989–90*	*1990–91*	*1991–92*	*1989–90*
	WOOD AND PAPER PRODUCT MFG– –							
	Log sawmilling and timber dressing––							
2311	Log sawmilling	2.0	1.5	1.4	197.8	156.6	170.5	111.6
2312	Wood chipping	. .		n.p.	6.8	n.p.	n.p.	3.9
2313	Timber resawing and dressing	1.2	1.0	n.p.	156.2	n.p.	n.p.	65.7
231	*Total*	*3.2*	*2.5*	*2.5*	*360.8*	*299.0*	*314.4*	*181.3*
	Other wood product mfg–––							
2321	Plywood and veneer mfg	0.4	0.5	0.4	43.5	70.7	59.8	16.0
2322	Fabricated wood mfg	0.8	0.5	0.5	125.9	93.3	91.3	28.9
2323	Wooden structural component mfg	3.9	3.9	3.2	360.7	401.5	297.8	155.0
2329	Wood product mfg n.e.c.	2.5	1.4	1.6	214.9	113.3	146.0	95.4
232	*Total*	*7.6*	*6.3*	*5.7*	*745.1*	*678.8*	*595.0*	*295.3*
	Paper and paper product mfg–––							
2331	Pulp, paper and paperboard mfg	2.1	1.8	1.8	n.p.	n.p.	n.p.	n.p.
2332	Solid paperboard container mfg	0.8	0.5	0.6	n.p.	n.p.	n.p.	n.p
2333	Corrugated paperboard container mfg	1.6	1.9	1.8	346.9	417.7	393.3	105.1
2334	Paper bag and sack mfg	0.8	0.7	0.6	142.3	139.9	135.7	58.3
2339	Paper product mfg n.e.c.	2.0	2.0	1.7	349.1	410.5	411.4	152.7
233	*Total*	*7.4*	*6.8*	*6.5*	*1,342.2*	*1,613.0*	*1,575.7*	*675.3*
23	***Total wood and paper product mfg***	***18.2***	***15.5***	***14.7***	***2,648.1***	***2,590.9***	***2,485.0***	***1,151.9***
	PRINTING, PUBLISHING AND RECORDED MEDIA––							
	Printing and services to printing							
2411	Paper stationery mfg	3.9	3.6	3.4	436.0	561.3	522.3	223.9
2412	Printing	11.7	9.9	9.9	1,237.0	1,128.8	1,208.7	597.7
2413	Services to printing	2.4	2.7	2.7	173.2	247.4	240.3	108.4
241	*Total*	*17.9*	*16.3*	*16.0*	*1,846.1*	*1,937.4*	*1,971.3*	*930.0*
	Publishing–							
2421	Newspaper printing or publishing	8.5	8.3	7.0	857.2	964.9	759.6	573.7
2422	Other periodical publishing	n.p.	0.8	1.0	n.p.	n.p.	236.0	n.p.
2423	Book and other publishing	1.5	n.p.	1.5	n.p.	n.p.	n.p.	n.p.
242	*Total*	*n.p*	*n.p.*	*9.4*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
243	*Recorded media manufacturing and publishing*	*n.p.*	*n.p.*	*0.1*	*n.p.*	*n.p.*	*n.p.*	*n.p*
24	***Total printing, publishing and recorded media***	***29.1***	***26.8***	***r25.5***	***3,156.8***	***3,134.8***	***3,312.4***	***1,967.6***

For footnotes see end of table

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, VICTORIA, 1989–90 TO 1991–92 (b) *continued*

Industry class		*Employment at end of June (c) ('000)*			*Turnover (d) ($m)*			*Value added (e) ($m)*
ANZSIC Code	*Description*	*1989–90*	*1990–91*	*1991–92*	*1989–90*	*1990–91*	*1991–92*	*1989–90*
	PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG —							
251	*Petroleum refining*	*1.4*	*1.5*	*1.5*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
252	*Petroleum and coal product mfg n.e.c.*		*0.1*	*0.2*	*28.5*	*n.p.*	*86.5*	*12.4*
	Basic chemical mfg—							
2531	Fertiliser mfg	0.4	0.5	0.4	179.2	149.7	153.7	41.0
2532	Industrial gas mfg	0.4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2533	Synthetic resin mfg	3.4	3.1	3.0	1,400.0	1,263.7	1,171.1	455.7
2534	Organic industrial chemical mfg n.e.c.	1.0	0.5	0.6	375.9	247.4	271.5	121.4
2535	Inorganic industrial chemical mfg n.e.c.	0.9	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
253	*Total*	*6.0*	*5.2*	*5.0*	*2,293.6*	*1,977.2*	*1,904.2*	*732.4*
	Other chemical product mfg							
2541	Explosive mfg	0.4	0.4	0.4	71.0	122.0	51.2	38.3
2542	Paint mfg	1.8	1.7	1.8	382.3	412.6	447.6	150.6
2543	Medicinal and pharmaceutical product mfg	3.3	3.3	3.5	614.4	694.0	804.7	221.0
2544	Pesticide mfg	0.2	0.3	n.p.	n.p.	n.p.	n.p.	n.p.
2545	Soap and other detergent mfg	1.5	1.5	1.2	258.6	331.7	285.2	119.9
2546	Cosmetic and toiletry preparation mfg	0.8	0.9	0.8	130.4	150.7	160.3	67.7
2547	Ink mfg	0.4	0.5	n.p.	n.p.	n.p.	n.p.	n.p.
2549	Chemical product mfg n.e.c.	1.5	1.4	1.1	273.9	300.2	249.4	120.4
254	*Total*	*10.0*	*10.0*	*9.6*	*1,916.4*	*2,249.8*	*2,243.9*	*795.2*
	Rubber product mfg							
2551	Rubber tyre mfg	2.5	2.7	3.2	n.p.	505.0	570.1	n.p.
2559	Rubber product mfg n.e.c.	2.3	1.7	1.2	304.6	n.p.	n.p.	155.7
255	*Total*	*4.8*	*4.5*	*4.4*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
	Plastic product mfg—							
2561	Plastic blow moulded product mfg	1.0	1.2	1.3	160.5	160.5	211.5	69.1
2562	Plastic extruded product mfg	1.7	1.7	2.3	248.9	290.3	417.0	101.6
2563	Plastic bag and film mfg	3.2	3.2	3.5	576.4	636.0	740.1	245.8
2564	Plastic product, rigid fibre reinforced, mfg	1.2	1.1	0.5	205.7	197.0	74.7	106.4
2565	Plastic foam product mfg	0.6	0.6	0.5	85.1	72.6	90.6	27.9
2566	Plastic injection moulded product mfg	6.1	5.8	5.4	730.0	771.3	676.1	339.4
256	*Total*	*13.8*	*13.5*	*13.1*	*2,006.4*	*2,127.7*	*2,210.0*	*890.2*
25	***Total petroleum, coal, chemical and associated product mfg***	***36.0***	***34.9***	***34.1***	***9,441.1***	***9,557.5***	***9,465.3***	***3,612.8***

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, VICTORIA, 1989–90 TO 1991–92 (b) *continued*

Industry class ANZSIC Code	Description	*Employment at end of June (c) ('000)* 1989–90	1990–91	1991–92	*Turnover (d) ($m)* 1989–90	1990–91	1991–92	*Value added (e) ($m)* 1989–90
	NON-METALLIC MINERAL PRODUCT MFG—							
261	*Glass and glass product mfg*	*1.9*	*1.9*	*2.0*	*n.p.*	*n.p.*	*357.2*	*n.p.*
	Ceramic mfg							
2621	Clay brick mfg	1.1	0.9	0.9	162.4	117.4	118.3	99.6
2622	Ceramic product mfg	0.1	0.1	0.1	4.2	6.6	4.6	2.7
2623	Ceramic tile and pipe mfg	1.3	1.3	1.1	111.2	111.6	99.8	69.2
2629	Ceramic product mfg n.e.c.	1.0	0.9	0.8	70.0	76.5	79.5	42.4
262	*Total*	*3.4*	*3.2*	*2.8*	*347.9*	*312.1*	*302.3*	*214.0*
	Cement, lime, plaster and concrete product mfg—							
2631	Cement and lime mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2632	Plaster product mfg	0.4	0.5	0.5	n.p.	129.0	128.3	n.p.
2633	Concrete slurry mfg	1.0	1.0	0.8	458.3	337.2	261.1	82.4
2634	Concrete pipe and box culvert mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2635	Concrete product mfg n.e.c.	1.7	1.6	1.5	231.2	226.0	202.4	119.7
263	*Total*	*4.3*	*4.0*	*3.6*	*1,067.0*	*900.5*	*769.5*	*373.1*
264	*Non-metallic mineral product mfg n.e.c.*	*2.1*	*1.7*	*1.6*	*n.p.*	*n.p.*	*286.1*	*n.p.*
26	***Total non-metallic mineral product mfg***	***11.7***	***10.8***	***9.9***	***2,109.2***	***1,889.3***	***1,715.0***	***1,018.5***
	METAL PRODUCT MFG							
	Iron and steel mfg—							
2711	Basic iron and steel mfg	3.9	3.8	3.8	1,715.0	1,697.6	1,715.8	390.6
2712	Iron and steel casting and forging	3.2	2.4	2.2	331.7	250.8	237.9	166.0
2713	Steel pipe and tube mfg	0.5	0.5	0.5	89.3	88.1	86.3	38.6
271	*Total*	*7.5*	*6.7*	*6.4*	*2,136.1*	*2,036.5*	*2,040.0*	*595.3*
	Basic non-ferrous metal mfg							
2721	Alumina production	—	—					
2722	Aluminium smelting	n.p.	n.p.	1.7	n.p.	n.p.	n.p.	n.p.
2723	Copper, silver, lead and zinc smelting, refining	n.p.	n.p.	0.1	n.p.	n.p.	18.4	n.p.
2729	Basic non-ferrous metal mfg n.e.c.	0.5	0.4	0.5	143.3	99.1	137.4	37.8
272	*Total*	*2.4*	*n.p.*	*2.2*	*n.p.*	*n.p.*	*n.p.*	*n.p.*
	Non-ferrous basic metal product mfg—							
2731	Aluminium rolling, drawing, extruding	1.1	1.1	1.0	371.9	369.9	379.4	76.3
2732	Non-ferrous metal rolling, drawing, extruding n.e.c.	0.6	n.p.	0.6	n.p.	n.p.	n.p.	n.p.
2733	Non-ferrous metal casting	0.6	0.6	0.5	71.4	81.1	62.6	24.1
273	*Total*	*2.3*	*n.p.*	*2.0*	*n.p.*	*n.p.*	*n.p.*	*n.p.*

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, VICTORIA, 1989–90 TO 1991–92 (b) *continued*

Industry class		*Employment at end of June (c) ('000)*			*Turnover (d) ($m)*			*Value added (e) ($m)*
ANZSIC Code	*Description*	*1989–90*	*1990–91*	*1991–92*	*1989–90*	*1990–91*	*1991–92*	*1989–90*
	Structural metal product mfg							
2741	Structural steel fabricating	3.5	3.0	2.6	582.5	501.9	393.5	212.0
2742	Architectural aluminium product mfg	3.4	2.3	2.0	399.9	305.3	261.1	145.6
2749	Structural metal product mfg n.e.c.	1.3	1.1	1.0	167.8	166.2	144.1	72.0
274	*Total*	*8.2*	*6.4*	*5.6*	*1,150.3*	*973.4*	*798.7*	*429.6*
	Sheet metal product mfg—							
2751	Metal container mfg	1.7	2.1	2.0	439.6	552.4	567.0	156.0
2759	Sheet metal product mfg n.e.c.	6.6	4.7	4.1	838.8	651.4	654.6	374.0
275	*Total*	*8.2*	*6.8*	*6.4*	*1,278.4*	*1,203.8*	*1,221.6*	*530.0*
	Fabricated metal product mfg							
2761	Hand tool and general hardware mfg	1.7	1.4	1.3	140.2	111.1	106.7	78.6
2762	Spring and wire product mfg	2.5	2.0	1.9	266.7	255.6	275.8	134.4
2763	Nut, bolt, screw and rivet mfg	2.1	1.8	1.4	282.1	280.5	221.8	120.9
2764	Metal coating and finishing	1.7	1.5	1.5	141.6	136.6	130.7	78.4
2765	Non-ferrous pipe fitting mfg	1.5	1.4	1.3	173.4	136.1	134.7	101.7
2769	Fabricated metal product mfg n.e.c.	7.2	6.4	5.9	591.7	578.4	578.9	314.9
276	*Total*	*16.7*	*14.5*	*13.3*	*1,595.7*	*1,498.4*	*1,448.6*	*828.8*
27	***Total metal product mfg***	***45.4***	***39.1***	***35.9***	***7,935.5***	***7,760.1***	***r7,414.8***	***3,190.3***
	MACHINERY AND EQUIPMENT MFG							
	Motor vehicle and part mfg–							
2811	Motor vehicle mfg	21.3	18.0	14.4	4,665.8	4,272.7	3,893.1	1,431.6
2812	Motor vehicle body mfg	2.0	1.5	1.5	242.7	178.7	188.8	104.4
2813	Automotive electrical and instrument mfg	5.5	5.6	3.9	674.4	696.6	566.2	320.3
2819	Automotive component mfg n.e.c.	13.5	11.5	9.7	1,341.5	1,199.3	1,033.2	709.2
281	*Total*	*42.4*	*36.5*	*29.5*	*6,924.4*	*6,347.3*	*5,681.4*	*2,565.6*
	Other transport equipment mfg– –							
2821	Shipbuilding	0.8	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2822	Boatbuilding	0.7	0.6	0.6	64.4	38.6	51.5	35.3
2823	Railway equipment mfg	0.2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2824	Aircraft mfg	6.7	6.4	6.7	496.3	475.3	475.2	267.4
2829	Transport equipment mfg n.e.c.	0.3	0.2	0.2	28.9	n.p.	n.p.	10.6
282	*Total*	*8.6*	*8.5*	*8.9*	*1,016.0*	*945.8*	*998.2*	*407.0*
	Photographic and scientific equipment mfg–							
2831	Photographic and optical good mfg	1.4	1.0	1.1	269.6	231.3	273.4	79.1
2832	Medical and surgical equipment mfg	1.6	1.2	1.0	98.8	81.9	82.0	60.1
2839	Professional and scientific equipment mfg n.e.c.	1.4	1.9	2.2	161.5	245.6	351.5	100.0
283	*Total*	*4.4*	*4.2*	*4.3*	*529.9*	*558.8*	*706.9*	*239.2*

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, VICTORIA, 1989 90 TO 1991 92 (b) *continued*

Industry class		*Employment at end of June (c) ('000)*			*Turnover (d) ($m)*			*Value added (e) ($m)*
ANZSIC Code	*Description*	*1989 90*	*1990 91*	*1991 92*	*1989 90*	*1990-91*	*1991 92*	*1989 90*
	Electronic equipment mfg—							
2841	Computer and business machine mfg	0.4	0.7	0.6	139 1	225.1	206.9	27.7
2842	Telecommunication, broadcasting and transceiving equipment mfg	4.5	4.3	3.6	807.3	961.9	774.5	344.2
2849	Electronic equipment mfg n.e.c.	3.0	2.2	2.3	333.6	272.9	332.8	170.0
284	*Total*	*7.9*	*7.1*	*6.5*	*1,280.0*	*1,460.0*	*1,314.3*	*542.0*
	Electrical equipment and appliance mfg—							
2851	Household appliance mfg	5.2	4.8	4.6	637.0	652.9	709.1	761.1
2852	Electric cable and wire mfg	1.2	1.6	1.5	n.p.	384.1	373.0	n.p
2853	Battery mfg	--	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2854	Electric light and sign mfg	1.5	n.p.	n.p.	154.0	n.p.	n.p.	68.6
2859	Electrical equipment mfg n.e.c.	4.3	4.6	3.8	527.2	585.1	478.7	277.0
285	*Total*	*12.2*	*12.2*	*11.0*	*1,630.4*	*1,759.9*	*1,668.1*	*735.0*
	Industrial machinery and equipment mfg—							
2861	Agricultural machinery mfg	1.2	0.9	0.9	109.5	99.6	67.0	63.2
2862	Mining and construction machinery mfg	0.9	0.6	0.6	125.9	112.4	109.1	52.4
2863	Food processing machinery mfg	1.0	0.7	0.7	118.2	86.6	82.3	48.6
2864	Machine tool and part mfg	4.1	3.7	3.3	354.6	404.5	298.7	197.9
2865	Lifting and material handling equipment mfg	2.8	2.6	2.2	351.6	331.9	276.3	136.5
2866	Pump and compressor mfg	1.9	1.5	1.3	264.0	218.4	210.2	111.6
2867	Commercial space heating and cooling equipment mfg	0.7	0.5	0.8	75.1	76.0	110.7	33.7
2869	Industrial machinery and equipment mfg n.e.c.	4.7	4.8	4.4	466.3	523.5	489.1	242.1
286	*Total*	*17.3*	*15.4*	*14.1*	*1,865.2*	*1,853.0*	*1,643.6*	*886.2*
28	***Total machinery and equipment mfg***	***92.9***	***83.8***	***r74.4***	***13,245.9***	***12,924.7***	***r12,032.8***	***5,374.9***
	OTHER MANUFACTURING							
	Prefabricated building mfg							
2911	Prefabricated metal building mfg	0.7	0.6	0.6	113.8	91.2	90.2	44.6
2919	Prefabricated building mfg n.e.c.	0.2	0.2	0.1	33.0	20.5	13.2	9.0
291	*Total*	*0 9*	*0.7*	*0.7*	*146 7*	*111.6*	*103.4*	*53.7*
	Furniture mfg							
2921	Wooden furniture and upholstered seat mfg	9.0	8.1	7.0	700.9	696.9	593.8	311.5
2922	Sheet metal furniture mfg	1.1	0.9	0.8	121.9	112.6	74.5	89 1
2923	Mattress mfg (except rubber)	1.1	0.6	0.9	134.0	73.8	114.2	61.2
2929	Furniture mfg n.e.c.	1.3	1.1	1.3	137.3	111.7	132.3	64.7
292	*Total*	*12.6*	*10.7*	*9.9*	*1,094 1*	*995.0*	*914.8*	*486.7*

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, VICTORIA, 1989–90 TO 1991–92 (b) *continued*

Industry class		*Employment at end of June (c) ('000)*			*Turnover (d) ($m)*			*Value added (e) ($m)*
ANZSIC Code	*Description*	*1989–90*	*1990–91*	*1991–92*	*1989–90*	*1990–91*	*1991–92*	*1989–90*
	Miscellaneous manufacturing—							
2941	Jewellery and silverware mfg	1.0	1.0	0.9	110.8	113.8	110.0	40.0
2942	Toy and sporting good mfg	3.0	0.6	0.7	214.2	58.3	83.9	105.5
2949	Manufacturing n.e.c.		2.2	1.9		169.9	150.6	
294	*Total*	*4.0*	*3.7*	*3.6*	*324.9*	*342.0*	*344.5*	*145.4*
29	***Total other manufacturing***	***17.4***	***15.2***	***14.2***	***1,565.8***	***1,448.7***	***r1,362.7***	***685.9***
21–29	**TOTAL MANUFACTURING**	**350.9**	**316.5**	**r292.8**	**55,003.5**	**54,466.5**	**r52,861.6**	**22,958.3**

(a) See paragraph 8 of the Explanatory Notes. (b) For comparability of data over the time periods shown, see paragraphs 15 and 16 of the Explanatory Notes. (c) Includes working proprietors. (d) These data are at current prices and, therefore, do not discount the impact of price changes. (e) Value added data are not available for the years 1990–91 and 1991–92, as the data items necessary to derive them were not collected in these years.

EXPLANATORY NOTES

INTRODUCTION

1 This publication presents final statistics compiled from a survey of manufacturing establishments for 1992–93, with some comparative statistics relating to preceding years.

2 For the 1992–93 collection, a sample of approximately 21,000 manufacturing businesses, nationally, was approached to provide information. All previous manufacturing collections were conducted by approaching all known manufacturing businesses.

3 The manufacturing collection is conducted on an annual basis and businesses are annually requested to provide data on employment, wages and salaries paid and turnover. For the 1992–93 collection, additional information related to detailed structural and performance data, such as value added, stocks, purchases and capital expenditure, and manufacturing exports was collected. To complement the environmental protection data collected in both the 1990–91 and 1991–92 censuses, the 1992–93 survey also collected some data on issues related to environmental protection.

4 Manufacturing, as specified in Division C of the *Australian and New Zealand Standard Industrial Classification* (ANZSIC), broadly relates to the physical or chemical transformation of materials or components into new products, whether the work is performed by power-driven machines or by hand.

SCOPE AND COVERAGE

5 The main unit for which statistics are reported in the annual manufacturing collection is the establishment. Prior to the 1988–89 census, this unit covered, in general, all the operations carried on under the ownership of one enterprise (business) at a single physical location.

6 The standard units definitions were revised for the 1988–89 census, with the establishment now being generally delineated on the basis of availability of accounting data rather than in terms of a location.

7 These new definitions were progressively implemented on the ABS central business register as reporting arrangements with individual businesses were finalised. The new definitions were fully implemented on the ABS central business register in time for the 1990–91 census for those units classified to the manufacturing industry.

8 A manufacturing establishment is one predominantly engaged in manufacturing activities, but the data collected for it cover all activities of the establishment (including non-manufacturing activities). Conversely, there are some establishments predominantly engaged in non-manufacturing activities which also undertake limited manufacturing activities and which are excluded.

9 Some of those establishments predominantly engaged in one activity are 'split' into two or more establishments, when the secondary activity exceeds a specific value. (For 1992–93, this value was $6.5 million in terms of sales and transfers out of goods and services.) These separate establishments are then classified to the industry appropriate to its activity.

10 Data contained in this publication relate to all manufacturing businesses which operated in Victoria during the year ended 30 June 1993, except for sole proprietorships or family partnerships not employing staff at the end of June 1993. These businesses contribute only marginally to statistical aggregates (other than number of establishments). In addition, the ABS attempts to obtain data in respect of those businesses which either commenced or ceased operation during the year, but it is not possible to obtain data in respect of them all.

STANDARD UNITS

11 For the definition of the standard units now in use, see the Glossary.

RELIABILITY OF ESTIMATES

12 Data presented in this publication are based on information obtained from a sample of manufacturers and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all manufacturers in the collection. One measure of the likely difference is given by the standard error, which indicates the extent to which an estimate might have varied by chance because the data were obtained from only a sample of units. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if the data had been obtained from all units, and about 19 chances in 20 that the difference will be less than two standard errors.

13 The standard error can also be expressed as a percentage of the estimate, and this is known as the relative standard error. The relative standard errors for most of the data presented in this publication are 4% or less for Victorian estimates, as can be seen from the relative standard errors for the indicative data items contained in table 9 of this publication.

14 The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by respondents and errors made in collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling error and they may occur in any collection, whether it be a full count or only a sample. Every effort is made to reduce non-sampling error to a minimum by careful design of forms, editing of data and efficient operating procedures.

COMPARABILITY WITH PREVIOUS STATISTICS

15 As explained above, the standard units definitions were revised for the 1988–89 census and the new definitions were fully implemented on the ABS central business register in time for the 1990–91 census for units classified to the manufacturing industry.

16 The combining of railway workshop locations (primary to ANZSIC class 2823) with rail transport locations (primary to ANZSIC class 6200) to form establishments primary to Division I: Transport and storage (that is, out of scope of this collection) has affected time series statistics for years up to the 1990–91 census for subdivision 28.

17 As with the last two issues of this publication, this issue makes no distinction in tables presented between those single establishment businesses with less than four persons employed and all other establishments. For users still interested in the dissection between establishments employing less than four persons and establishments employing four or more persons, attention is drawn to table 5 and the employment size category 0–3 persons. This category includes all establishments employing less than four persons. In most cases, data in this employment size category equates to the category used for tabulations from earlier manufacturing industry collections of less than four persons employed (the major exception being subdivision 26). A detailed break up of the differences can be made available on request.

GROSS PRODUCT AT FACTOR COST

18 Table 4 presents data by industry subdivision for the period 1989–90 to 1992–93 (inclusive) related to constant price estimates of gross product at factor cost. The meaning and measurement of production at constant prices and the limitations and qualifications of the estimates are discussed in detail in *Australian National Accounts: Concepts, Sources and Methods* (5216.0).

19 Previously, estimates for this data item have only been published (for total Australia) in *Manufacturing Industry, Australia* (8221.0). The basic approach in compiling these estimates involves extrapolating a base year estimate of gross product (described below) by a measure of output at constant prices. Constant price turnover is used as the output indicator with which to extrapolate the base year gross product. To obtain constant price estimates of turnover, current price estimates at the ANZSIC class level are deflated by components of the price indices contained in *Price Indexes of Articles Produced by Manufacturing Industry, Australia* (6412.0).

20 The base year gross product is estimated for each ANZSIC class using 1989–90 manufacturing census data for value added and adjusted value added. Value added is calculated using turnover, plus the increase (or less the decrease) in the value of stocks, less purchases, transfers in and selected expenses. Adjusted value added is defined as value added less land tax, rates and payroll tax, insurance premiums (other than for workers' compensation) and other business expenses. To conform to the national accounting concept of gross product at factor cost, further adjustments would be necessary using information from other than manufacturing census sources e.g. by the addition of workers' compensation paid less premiums received. However, due to data limitations, these further adjustments can only be made at the ANZSIC subdivision level and are not taken into account in this publication. (This is because the ANZSIC subdivision data contained in this publication are derived from the data calculated at the ANZSIC class level.) The base year gross product values used in this publication are derived by taking establishment based estimates of adjusted value added and applying a stock valuation adjustment. (See Section 8 of *Australian National Accounts: Concepts, Sources and Methods* (5216.0) for an explanation of how this adjustment is undertaken).

EMPLOYMENT SIZE DATA

21 Summary of operations data at the industry subdivision level classified by employment size are presented in table 5. Similarly, exports of goods produced data at the industry subdivision level classified by broad employment size are presented in table 7. The statistics in these two tables relate only to those manufacturing establishments operating at 30 June 1993. As such, the figures presented may differ slightly from those presented in the other tables. These other tables include data for those manufacturing establishments which operated at any time during 1992–93.

ENVIRONMENTAL STATISTICS

22 Data contained in table 6 relate to current and capital expenditure on environmental protection in the year ended 30 June 1993. Establishments which did not respond were treated as if they had no current or capital expenditure on environmental protection.

EXPORT STATISTICS

23 Data relating to the amount of sales and/or transfers out of goods produced which were subsequently exported are presented in tables 7 and 8. This is the first time that these data have been obtained by the annual manufacturing collection. All units selected in the manufacturing survey were asked whether they exported and, if so, what percentage of their sales of goods produced were exported by them or an agent on their behalf. The data presented in table 7 are derived by applying the percentage of exports reported for each exporting unit and then aggregating that figure. The data in table 7 exclude those manufacturing establishments which operated during 1992–93 but were not operating at 30 June 1993.

INTRODUCTION OF ANZSIC

24 The 1992–93 manufacturing survey introduces the Australian and New Zealand Standard Industrial Classification (ANZSIC) into the annual manufacturing collection. This classification replaces the Australian Standard Industrial Classification (ASIC) previously used. For a more detailed explanation, users attention is drawn to the introduction to table 9 in the 1991–92 issue of this publication and to the *Australian and New Zealand Standard Industrial Classification, 1993* (1292.0). All time series statistics contained in this publication are ANZSIC-based. Table 10 of this publication presents selected statistics by ANZSIC class for the years 1989–90 to 1991–92 (inclusive). Corresponding ANZSIC-based data for years prior to 1989–90 are not available.

INFORMATION PAPER

25 The *Information Paper: Availability of Statistics Related to Manufacturing, 1996* (8205.0), outlines the vast amount of data available about the manufacturing industry in both published and unpublished form available from both the annual manufacturing collection and other ABS collections.

RELATED PUBLICATIONS

26 Users may also wish to refer to the following publications:

- *Cost of Environment Protection, Australia, 1991–92 and 1992–93* (4603.0), to be released later in 1996.
- *Quarterly Indexes of Industrial Production, Australia* (8125.0).
- *Business Operations and Industry Performance, Australia, 1992–93* (8140.0), released on 22 June 1994.
- *Manufacturing Industry, Australia, Preliminary, 1993–94* (8201.0), released on 13 December 1995.
- *Manufacturing Industry, Australia, 1992–93* (8221.0), released on 12 March 1996.

- *Information Paper: Availability of Statistics Related to Manufacturing, 1996* (8205.0), released on 21 March 1996.
- *Manufacturing Production, Australia: Principal Commodities Produced, 1989–90* (8365.0), released on 4 February 1994.

MONTHLY COMMODITY DATA

27 The monthly publication *Manufacturing Production, Australia* (8301.0) includes data for 63 major commodities.

BACK DATA AND UNPUBLISHED STATISTICS

28 A range of manufacturing industry statistics publications is available for previous years. As well, a considerable amount of data from the annual manufacturing collection exists in unpublished form. More detailed information to satisfy individual user requirements may be available on request. A charge would normally be made for providing such information. The Information Paper referred to above provides more details.

29 In particular, constant prices data on an ANZSIC basis are available back to 1984–85. However, constant price estimates on a true ANZSIC basis are only available from 1989–90. Nevertheless, an exercise has been undertaken to convert estimates for earlier years onto an ANZSIC basis using the relationships that applied between ASIC and ANZSIC in the years 1990–91 and 1991–92. These estimates are available at both the Australian and State and Territory levels back to 1984–85. It should be noted that the relationships that applied in 1990–91 and 1991–92 are less likely to apply the earlier the reference year. Also, constant price estimates of gross product at factor cost for the years 1989–90, 1990–91, 1991–92 and 1992–93 by ANZSIC class are available as unpublished data. All of these data can be purchased from the ABS in Canberra by contacting Paul Curran on (06) 252 6801.

ROUNDING

30 Where figures have been rounded, discrepancies may occur between totals and the sums of the component items. Due to the sample nature of the 1992–93 collection, this 'rounding rule' also applies to the 'count' statistics included in this publication.

SYMBOLS AND OTHER USAGES

ANZSIC	Australian and New Zealand Standard Industrial Classification
ASIC	Australian Standard Industrial Classification
n.e.c.	not elsewhere classified
n.p.	not available for publication but included in totals where applicable
r	figure or series revised since previous issue
..	not applicable
—	nil or rounded to zero (incl. null cells)

GLOSSARY

ABS Australian Bureau of Statistics

Acquisition of dwellings, other buildings and structures Capital expenditure incurred acquiring dwellings, other buildings and structures. Note that this category includes purchases of both new and second-hand buildings and structures. It also includes purchases of roads, factories, warehouses, offices, bridges, etc.

Acquisition of other (including land and intangible assets) Capital expenditure incurred acquiring other assets (including land and intangible assets). Intangible asset purchases may include items such as patents, copyrights and licences, but excludes goodwill.

Acquisition of plant, machinery and equipment Capital expenditure incurred in acquiring plant, machinery and other equipment. Note that this category includes the purchase of motor vehicles.

Amount of goods produced by this establishment (or for it on commission) that are exported by this business or its agent This represents the sales value of goods produced by an establishment (or for it on commission), including the value of manufactured goods transferred to other establishments of the business, that are exported by the business or its agent.

Australian National Accounts (ANA) These Accounts are set up to provide a systematic summary of Australia's national economic activity. They have been developed in such a way as to facilitate the practical application of economic theory. National Accounts are summarised to show the key economic flows of the Keynesian system, being: production, income, consumption, investment and saving. They are also designed to show at a more detailed level the statistical picture of the structure of the economy and the detailed processes that make up domestic production and its distribution.

ANZSIC Australian and New Zealand Standard Industrial Classification

ASIC Australian Standard Industrial Classification

Average employees This is derived by taking the average employment for the reference year and then adjusting this figure according to the type of legal organisation (TOLO) that is attributed to the unit. This means that the number of average employees (whole year) is equal to the average employment (whole year) for that unit less 1 (if TOLO = 6 (unit is a sole proprietorship) or less 2 (if TOLO = 7 or 8 (unit is a family partnership or other partnership)).

Average employment This is derived by summing together the number of working proprietors and the number of employees on the payroll during the last pay period of each month of the financial year. This aggregation is then divided by twelve to derive the average employment over the reference year.

Balance of turnover The sum of income from services, rent, leasing and hiring income, total government subsidies and the value of own account capital work.

Capital expenditure Includes all costs incurred in the acquisition of items that are of a capital nature. Included in this are expenses for the acquisition of: dwellings, other buildings and structures; plant, machinery and equipment; and other capital expenditure (including land and intangible assets).

Capital expenditure to abate pollution Expenditure on new plant, machinery or equipment designed to abate or control pollution by using either end-of-line techniques or change-in-production processes.

Capital expenditure to abate pollution as a proportion of total capital expenditure

This item represents the proportion of total capital expenditure that is utilised in measures designed to abate pollution. Please note that for the data item capital expenditure to abate pollution, establishments which did not respond were treated as if they had no such capital expenditure. However, the ratio is calculated by dividing the reported capital expenditure designed to abate pollution by the total capital expenditure for the ANZSIC class, etc., not just the aggregated capital expenditure for those units which reported capital expenditure to abate pollution.

Capital work done for own use

The value of work done by the employees or proprietors of an establishment for the business' own use, or for rental or lease. This item includes the value of the cost of the materials and the wages and salaries involved.

Change in stocks

The value of total closing stocks minus total opening stocks.

Closing stocks

The value of all stocks of finished goods, work-in-progress, raw materials, fuels, containers and packaging as at the end of the financial year.

Contract, subcontract and commission expenses

Includes payments to other businesses and self-employed persons for work done, or sales made on a contract or commission basis, plus payments to persons paid by commission without a retainer. Excludes commission paid to persons who receive a retainer, commissions paid to own employees and payments to consultants.

Current expenditure on environmental protection

Expenditure on waste management plus other operational or maintenance costs incurred in protection of the environment from pollution. Included are such expenses as government and council fees, charges and taxes relating to pollution abatement and control, charges to remove and dispose of wastes arising from an establishment's production processes, research and development expenditure on pollution abatement and control, and expenditure on environmental impact assessments and environmental audits.

Current expenditure on environmental protection as a proportion of total turnover

This item represents the current expenditure on environmental protection expressed as a proportion of the total turnover. Please note that for the data item current expenditure on environmental protection, establishments which did not respond were treated as if they had no such current expenditure. However, the ratio is calculated by dividing the reported current expenditure on environmental protection by the total turnover for the ANZSIC class, etc., not just the aggregated turnover for those units which reported current expenditure on environmental protection.

Employment at end of June

The number of working proprietors, working partners, permanent, part-time, temporary and casual employees, and managerial and executive employees working for an establishment during the last pay period in June each year. Employees absent on paid or prepaid leave are included. Sole proprietors and partnerships not employing others are excluded.

Enterprise group

A unit covering all the operations in Australia of one or more legal entities under common ownership and/or control. It covers all the operations in Australia of legal entities which are related in terms of the current Corporations Law (as amended by the Corporations Legislation Amendment Act 1991). These may be legal entities such as trusts and partnerships as well as companies. Majority ownership is not required for control to be exercised.

Establishment The establishment is the smallest accounting unit of a business, within a State or Territory, controlling its productive activities and maintaining a specified range of detailed data enabling value added to be calculated. In general, an establishment covers all operations at a physical location, but may consist of a group of locations provided they are within the same State or Territory. The majority of establishments operate at one location only.

Establishments at 30 June The number of establishments in operation at 30 June in the year of a given reference period.

Establishments that do not export Establishments that reported no exports (either by their business or for them by an agent) of goods that they produced.

Establishments with exports of more than 50% of sales Establishments that reported exports (either by their business or for them by an agent) of more than 50% of sales and transfers out of goods that they produced.

Establishments with exports up to and including 50% of sales Establishments that reported exports (either by their business or for them by an agent) of up to and including 50% of sales and transfers out of goods that they produced.

Exports as a proportion of sales of goods produced (Table 7) For an individual establishment, this represents the percentage of the total sales and transfers out of goods produced by the establishment (or for it on commission) which are exported (outside Australia) by the business or its agent. In table 7, the ratio is calculated by dividing the total value of goods exported by the total value of sales and transfers out of goods produced by all establishments, not just the aggregrated value for those units which exported.

Gross Domestic Product (GDP) Gross domestic product (also referred to as gross domestic product at market prices) is the total market value of goods and services produced in Australia within a given period after deduction of the cost of goods and services used up in the process of production, but before deducting allowances for the consumption of fixed capital. Thus, gross domestic product, as here defined, is 'at market prices'. It is equivalent to gross national expenditure plus exports of goods and services less imports of goods and services.

Gross product at factor cost Gross product at factor cost is that part of the cost of producing the gross domestic product which consists of gross payments to factors of production (labour, land, capital and enterprise). It represents the value added by these factors in the process of production and is equivalent to gross domestic product less indirect taxes plus subsidies.

Gross product per person employed Gross product at factor cost divided by average employment over the whole year.

Income from services Income received from service activities. This income includes: repair and service income and fees; contract, subcontract and commission income; installation charges; and management fees/charges from related and unrelated businesses. Excluded are interest and royalities received.

Industry class Within ANZSIC, there is a structure comprising four levels ranging from industry division (broadest level) to the industry class (finest level). At the industry class level, the activities are narrowly defined and recognised by a four digit code e.g. industry class 2331 for Pulp, paper and paperboard manufacturing. Usually, an activity is primarily confined to one class. However, some activities may be primary to more than one class.

Industry group

This is the intermediate level within the manufacturing industry division of ANZSIC and is recognised by a three digit code e.g. industry group 233 for Paper and paper product manufacturing. It gives more detail than the industry subdivision and is created in a way that groups like industry classes together.

Industry subdivision

This is the broadest level category within the manufacturing industry division of ANZSIC and is recognised by a two digit code e.g. industry subdivision 23 for Wood and paper product manufacturing. Industry subdivisions are built up from industry groups which, in turn, are built up from industry classes. The following table gives the manufacturing industry subdivision codes and their descriptions:

21	Food, beverage and tobacco mfg
22	Textile, clothing, footwear and leather mfg
23	Wood and paper product mfg
24	Printing, publishing and recorded media
25	Petroleum, coal, chemical and associated product mfg
26	Non-metallic mineral product mfg
27	Metal product mfg
28	Machinery and equipment mfg
29	Other manufacturing

Management unit

The management unit is the highest-level unit within a business, having regard to industry homogeneity, for which accounts are maintained; in nearly all cases, it coincides with the legal entity owning the business (that is, company, partnership, trust, sole operator, etc.). In the case of large diversified businesses, however, there may be more than one management unit, each coinciding with a 'division' or 'line of business'. A division or line of business is recognised where separate and comprehensive accounts are compiled for it.

Manufacturing establishment

An establishment predominantly engaged in manufacturing activities. The data collected for such establishments cover all activities of the establishment (including non-manufacturing activities). Conversely, there are some establishments predominantly engaged in non-manufacturing activities which also undertake limited manufacturing activities and which are excluded.

Motor vehicle running expenses

Comprises costs associated with operating motor vehicles. These costs include: fuel, registration fees and compulsory third party insurance premiums; rent, leasing and hiring expenses; and repair and maintenance expenses. The costs exclude: expenses for off-road motor vehicles (e.g. forklifts, mobile plant, quarry dump trucks); depreciation; finance lease payments; and comprehensive motor vehicle insurance.

Net capital expenditure

The value of total capital expenditure less total revenue from the disposal of assets.

Opening stocks

The value of all stocks of finished goods, work-in-progress, raw materials, fuels, containers and packaging as at the beginning of the financial year.

Outward freight and cartage expenses

Costs associated with freight and delivery of goods, excluding the cost of delivery by an establishment's own vehicles and employees.

Own account capital work

The value of work done by the employees or proprietors of an establishment for the business' own use, or for rental or lease. This item includes the value of the cost of the materials and the wages and salaries involved.

Persons employed per establishment
Employment at the last pay period ending in June divided by the number of establishments in operation at 30 June of the same year.

Purchases
Purchases of materials, components, containers, packaging, fuels, electricity and water, and purchases of goods for resale.

Purchases and transfers in
Purchases and transfers in of materials, components, containers, packaging, fuels, electricity and water, and of goods for resale, plus transfers in of goods from other establishments of the same business for further processing, assembly, installation or resale. Transfers in are valued, for statistical purposes, at prices commensurate with the prices which would have been paid if the establishments concerned had been under separate ownership i.e. at commercial selling price.

Rent, leasing and hiring expenses
Includes payments on operating leases, but excludes finance lease payments and expenses associated with motor vehicles.

Rent, leasing and hiring income
Includes royalties from mineral leases and revenue from operating leases, but excludes income from finance leases and payments received under hire purchase arrangements.

Repair and maintenance expenses
Costs associated with repair and maintenance. These costs exclude repair and maintenance of motor vehicles and wages and salaries paid to an establishment's own employees engaged in repair and maintenance activities.

Sales and transfers out of goods produced by the establishment
Includes sales of goods produced by the establishment (or for it on commission), sales or transfers to related businesses, and progress payments billed on engineering and construction projects. Includes transfers out to other establishments of the same business. Transfers out are valued, for statistical purposes, at prices commensurate with the prices which would have been paid if the establishments concerned had been under separate ownership i.e. at commercial selling price.

Sales and transfers out of goods not produced by the establishment
Sales of goods not produced by the establishment, including sales or transfers to related businesses. Includes transfers out to other establishments of the same business. Transfers out are valued, for statistical purposes, at prices commensurate with the prices which would have been paid if the establishments concerned had been under separate ownership i.e. at commercial selling price.

Selected expenses
Includes contract, subcontract and commission expenses (including sales commission payments), repair and maintenance expenses, outward freight and cartage expenses, motor vehicle running expenses, and rent, leasing and hiring expenses.

Service income
Includes income received from service activities. This income includes: repair and service income and fees; contract, subcontract and commission income; installation charges; and management fees/charges from related and unrelated businesses. Excluded are interest and royalties received.

Total government subsidies
Includes revenue received from government bodies in the form of bounties, subsidies and export grants. It also includes payments for Jobstart and subsidies for apprenticeship schemes. Excludes capital grants payments.

Total sales of goods and transfers out

Includes sales of goods produced by the establishment (or for it on commission) and of goods not produced by the establishment, sales or transfers to related businesses, and progress payments billed on engineering and construction projects. Includes transfers out to other establishments of the same business. Transfers out are valued, for statistical purposes, at prices commensurate with the prices which would have been paid if the establishments concerned had been under separate ownership i.e. at commercial selling price.

Turnover

(See Note below). Sales (exclusive of excise and sales tax) of goods whether produced by the establishment or not, plus transfers out of goods to other establishments of the same business, plus bounties and subsidies on production, plus all other operating income from outside the establishment (such as commission income, repair and service income, and rent, leasing and hiring income), plus capital work done by an establishment's own employees for the business' own use, or for rental or lease. Receipts from interest, royalties, dividends and the sale of fixed tangible assets are excluded.

Note: Transfers to other establishments of the same business referred to in the definition of turnover are valued, for statistical purposes, at prices commensurate with the prices which would have been received if the establishments concerned had been under separate ownership, that is, at commercial selling price. A significant proportion of the commodities manufactured by some industries is manufactured on commission for non-manufacturing businesses from materials owned and supplied by those businesses. As a consequence, the turnover figures do not reflect the gross value of those commodities but only the commission earned relating to them.

Turnover per person employed (based on average employment)

Turnover of manufacturing establishments which operated during the year ended 30 June divided by the average number of persons employed over the whole year.

Turnover per person employed (based on end of June employment)

Turnover of manufacturing establishments which operated during the year ended 30 June divided by employment at the end of June in the same year.

Value added

(See Note below). Turnover, plus the increase (or less the decrease) in the value of stocks, less purchases, transfers in and selected expenses.

Note: While value added is the basic measure of an industry's contribution to total production, it cannot be inferred that when wages and salaries are deducted from value added the whole of the surplus is available for profit. There are many miscellaneous expenses (such as depreciation, workers' compensation insurance, other insurance, payroll tax, income tax, rates, advertising, interest on borrowed funds, bad debts and other sundry charges) which are not taken into account when arriving at value added. Value added as calculated in this publication differs from the concept used in National Accounts, where the concept of value added also excludes some administrative expenses and sundry charges, and the change in stocks component which is measured by valuing the physical changes in stocks at average annual current prices. It is not practicable in the annual manufacturing collection to collect data fully in accord with the National Accounts concept of value added.

Value added per person employed (based on average employment)

Value added of manufacturing establishments which operated during the year ended 30 June divided by the average number of persons employed over the whole year.

Value added to turnover ratio Value added of manufacturing establishments which operated during the year ended 30 June as a proportion of the turnover of manufacturing establishments which operated during the same year.

Wages and salaries The gross wages and salaries of all employees of the establishment. The drawings of working proprietors are excluded.

Wages and salaries per employee (based on average employees) The wages and salaries paid by manufacturing establishments which operated during the year ended 30 June divided by the average number of employees over the whole year.

Wages and salaries to value added ratio The wages and salaries paid by manufacturing establishments which operated during the year ended 30 June as a proportion of the value added of manufacturing establishments which operated during the same year.

For more information . . .

The ABS publishes a wide range of statistics and other information on Australia's economic and social conditions. Details of what is available in various publications and other products can be found in the ABS Catalogue of Publications and Products available from all ABS Offices.

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http://www.statistics.gov.au

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2822120007923
ISSN 1036-2754

Recommended retail price: $19.50

ABS Catalogue No. 8221.2 **Manufacturing Industry, Victoria** 1992-93